



SHPE UF



Corporate Database

2024 SHPE National Convention

Anaheim, California



DEAR SHPE FAMILIA,



Juan Valderrama
SHPE-UF President 2024-2025

As we celebrate SHPE's 50th anniversary, I'm confident that we all share a unique sense of excitement for the largest gathering of Hispanics in STEM: the **2024 SHPE National Convention**. This year's event promises to be the biggest and most memorable yet, hosted in Southern California — a location that pays homage to SHPE's earliest roots.

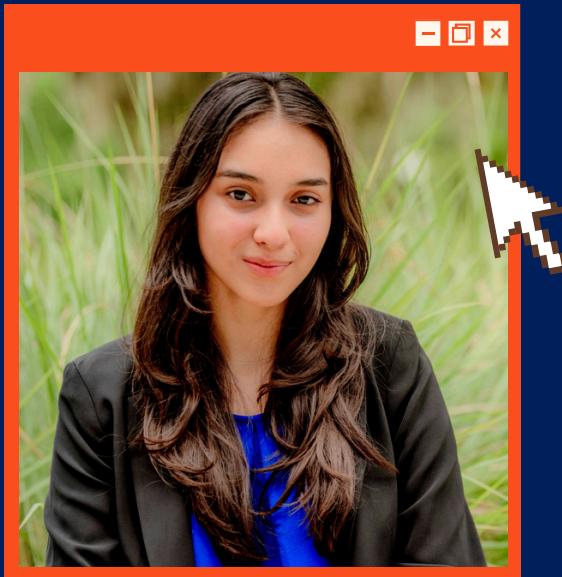
Every year, as chapter leaders across the nation prepare to send students to the Convention, one question always rises to the top: *How can I maximize my chances of securing a job offer?* While the answer is never simple—often a mix of experience, passion, and sometimes luck—there is one factor that can significantly improve the odds: *preparation*.

At the University of Florida, we emphasize the importance of researching your “dream” companies and graduate schools ahead of the Convention. This preparation not only boosts your success in the recruitment process, but it helps you connect with the values and culture of organizations, potentially turning a good experience into the perfect fit.

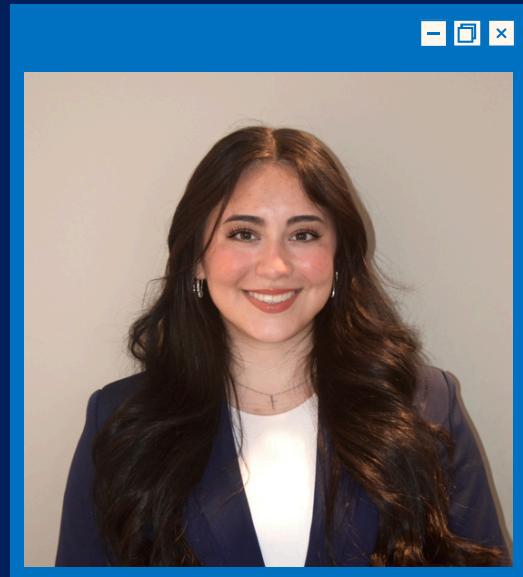
On behalf of the University of Florida's SHPE chapter, I am thrilled to present the **2024 Corporate Database**, an invaluable resource to help you and your chapter's members prepare for the National Convention. In this document, you'll find essential information about each attending company, applicant requirements, and potential career opportunities. Our Corporate Database team has worked tirelessly to compile this information with precision, detail, and relevance, and we hope this resource helps boost your confidence and success at this year's incredible celebration of Hispanics in STEM.



The Team



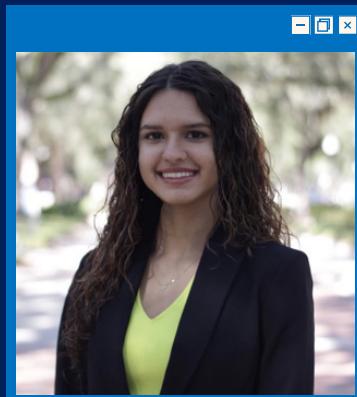
Alexandra Tabares
SHPE-UF
Vice President of Corporate Affairs



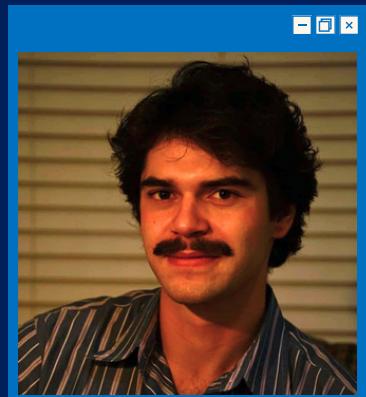
Sarah Jimenez
SHPE-UF Lead Database Director



Francesca Perfetto
SHPE-UF Database Director



Jennifer Gongora-Caruncho
SHPE-UF Database Director



Raul Rojas
SHPE-UF Database Director

Graphics: Jennifer Gongora-Caruncho

Introduction

Dear SHPE Member,

This Database is intended for you to use as you look to navigate the professional world. It is distributed for free and as an aid for you and the rest of our members to get acquainted with the companies attending the 2024 SHPE National Convention in Anaheim, California. Your feedback matters to us. We look forward to your questions, opinions, and suggestions at vpcorporate.shpeuf@gmail.com.

Sincerely,
Alexandra Tabares

Alexandra Tabares



TABLE OF CONTENTS

3M	11	Caterpillar	53	Google	95
Abbott	12	CF Industries Holdings	54	Granite Construction	96
Accenture	13	Chevron	55	HDR Inc	97
AECOM	14	Chewy	56	Henkel	98
Air Force Research Labs	15	CIA	57	Hensel Phelps	99
Air Products & Chemicals	16	CISCO	58	HII	100
Amazon	17	Clorox Company	59	Honda	101
Amentum	18	Constellation Energy	60	Hormel Foods Corp.	102
American Express	19	Cook Medical	61	HP	103
America's Navy	20	CSL Behring	62	IBM	104
Amsted	21	Cummins Inc.	63	Ingersoll Rand	105
Anduril	22	Daimler Truck North America	64	Intel	106
Anheuser-Busch	23	Danaher	65	Jacobs	107
Ansys	24	Dell Technologies	66	Jensen Hughes	108
AppFolio Inc.	25	Dev10	67	JLL	109
Apple	26	Digital Realty	68	John Deere	110
Aptiv	27	DKS Associates	69	Johnson & Johnson	111
Arcadis	28	Dodge Industrial Inc.	70	KBR	112
Arconic Corp	29	Dow	71	Keysight Technologies	113
Army Civilian Careers	30	DPR Construction	72	KIA America Inc.	114
Arup	31	Dupont	73	Kiewit	115
ASML	32	Eaton	74	Kimley Horn	116
BAE Systems	33	Ecolab	75	KLA	117
Bank of America	34	Edwards	76	Kruger Products	118
Barnard Construction	35	Eli Lilly	77	L3Harris Tech	119
BASF	36	Exelon Corporation	78	Lam Research	120
Bechtel	37	Exxon Mobil	79	Lawrence Livermore	121
Bloomberg LP	38	First Energy	80	Leidos	122
Blue Origin LLC	39	Fish & Richardson P.C.	81	Lenovo	123
BNY Mellon	40	FM Global	82	Lockheed Martin	124
Boeing	41	Ford Motor Company	83	L'Oreal Groupe	125
Booz Allen Hamilton	42	Freeport McMoran Inc.	84	Lutron	126
Boston Scientific	43	GE Aerospace	85	Marathon Petroleum	127
BP	44	GE Healthcare	86	Marvell	128
Burns & McDonnell	45	GE Vernova	87	Medtronic	129
BWX Technologies	46	Geico	88	Merck & Co.	130
C3 AI	47	General Dynamics	89	Meta	131
Cadence Design Systems	48	General Motors	90	Micron	132
Capital Group American Funds	49	GHD	91	Microsoft	133
Capital One	50	Gilbane Building Company	92	Milwaukee Tool	134
Cargill	51	GlobalFoundries	93	Molson Coors Beverage	135
Carrier	52	Goldman Sachs	94	Morgan Stanley	136



TABLE OF CONTENTS

Mortenson	137	Rockwell Automation	159	Trimble	181
Motorola	138	RTX	160	Turner Construction	182
Nascar	139	Sandia National Laboratories	161	Two Sigma	183
National Security Agency	140	Sentry	162	UPS	184
Navy Federal Credit Union	141	Skanska	163	USAA	185
Nintendo of America	142	Skyworks Solutions	164	USG	186
Northrop Grumman	143	SLB	165	Veolia	187
Nucor	144	Smurfit Westrock	166	Verizon	188
Nvidia	145	SoCalGas	167	Wabtec	189
NXP Semiconductors	146	Southern Company	168	Walmart Sam's Club	190
Oracle	147	Southwire Company	169	Walt Disney Imagineering	191
P&G	148	SpaceX	170	Waymo	192
Pacific Gas & Electric Company	149	SRAM	171	Wells Fargo	193
PBF Energy	150	Stantec	172	WEX Inc.	194
PepsiCo	151	T C Energy	173	Whiting-Turner	195
Pfizer Inc.	152	T. Rowe Price	174	Woodward	196
PIMCO	153	Technip FMC	175	World Wide Technology	197
Polaris	154	Tetra Tech	176	WSP	198
PTC Inc.	155	Texas Instruments	177	Yello	199
Qualcomm	156	The Lane Construction Corp	178	Zoox	200
Regeneron Pharmaceuticals	157	The Trade Desk	179	ZS Associates Inc.	201
Relativity Space	158	Trane Technologies	180		



UNIVERSITY/COMMUNITY

Caltech Biology and Biological Engineering
Carnegie Mellon University
Clemson University
CodePath.org
Columbia Engineering
Colorado School of Mines
Cornell University
Dartmouth Engineering
Duke University
Embry Riddle Aeronautical University
Florida International University - College of Engineering
Georgia Institute of Technology
German Academic Exchange Services
Harvard Business School
Harvard School of Engineering and Applied Science
Iowa State University
Johns Hopkins University - Engineering Management
Johns Hopkins Whiting School of Engineering
Lehigh University - P.C. Rossin College of Engineering
MEMPC
MIT Chemical Engineering
MIT Leaders for Global Operations / MIT System Design and Management
MIT Office of Graduate Education
MIT School of Engineering
Missouri University of Science and Technology
National Center for Women and Information Technology
New Jersey Institute of Technology
New Mexico Tech
Northeastern University
Northwestern Master of Science in Law
Northwestern University
New York University Center for Data Science
New York University Tandon School of Engineering
Oregon State University
Pennsylvania State University, College of Engineering
Purdue University, College of Engineering
Rensselaer Polytechnic Institute
Rice University
RTI International
Southern Methodist University, Lyle School of Engineering
Texas A&M University
Tufts University
University of California, Berkeley
University of California, Irvine, Samueli School of Engineering
University of Chicago Pritzker School of Molecular Engineering
University of California, Los Angeles CEED
University of California, Los Angeles Division of Graduate Education
University of California, Los Angeles Engineering
Online Master of Financial Engineering
University of Buffalo, State University of New York
University of California, Berkeley
University of Central Florida
University of Colorado Boulder
University of Illinois
University of Iowa, College of Engineering
University of Maryland - Engineering
University of Maryland, Baltimore County
University of Miami, College of Engineering
University of Michigan
University of Michigan College of Engineering
University of Nebraska - Lincoln
University of Pittsburgh - Swanson School of Engineering
University of Southern California - USC Viterbi
University of Texas at Arlington
University of Texas at Dallas
University of Texas Rio Grande Valley
University of Virginia
University of Washington Allen School of Computer Science
University of Washington, Molecular Engineering
University of Washington - College of Engineering
Utah State University
Vanderbilt University School of Engineering
Villanova University
Virginia Tech - College of Engineering
Worcester Polytechnic Institute
Yale Engineering



GOVERNMENT/NONPROFIT

- AEOP Internships and Fellowships
Aerospace Corporation
The Activate Global
Amtrak
Applied Research Lab. at Penn State
Applied Research Lab. at the University of TX
Arete
Bonneville Power Administration
Caltrans
Casualty Actuarial Society
Centers for Disease Control & Prevention
DKMS
DoD SMART Scholarship Program
Draper
EPRI
FBI - Workforce Planning Unit
Fluor Marine Propulsion, Inc.
Georgia Transmission Corp.
Idaho National Laboratory
Inclusive Engineering Consortium
Jefferson Lab
Johns Hopkins Applied Physics Laboratory
The Lawrence Livermore National Laboratory - LLNL
Linux Foundation
The Los Alamos National Laboratory
MIT Lincoln Laboratory
Minnesota Dept. of Transportation
Mitre
NASA
National Energy Technology Lab. (NETL)
National Geospatial Intelligence Agency
National Renewable Energy Laboratory
Naval Facilities Engineering Systems Command
Navy Civilian Careers
New York Independent Systems Operator
NIST
NNSA Graduate: Fellowship Program
NOIRLab/US ELTP
Oak Ridge Institute for Science & Education
Oak Ridge National Laboratory
Pacific NW Na'l. Lab.
Rewriting the Code, Inc.
San Francisco Public Utilities Commission
SLAC Nat'l. Accelerator Lab.
Society of Women Engineers
Somos, Inc.
Tennessee Valley Authority
Texas Dept. of Transportation
US Extremely Large Telescope Program



INDUSTRY PARTNERSHIP COUNCIL

The Industry Partnership Council (IPC) is an integral part of the Society of Hispanic Professional Engineers (SHPE), whose mission is to change lives by empowering the Hispanic community to realize its fullest potential and impact the world through STEM awareness, access, support, and development.

For nearly 20 years, our Industry Partnership Council has been instrumental in our growth, allowing over 10,000 Latina/os to have greatly benefited from SHPE's programs and resources. Together, we have provided thousands of Latina/os career opportunities and increased the number of students pursuing STEM in our continued collective effort to diversify the workforce of today and the future.



I.P.C

3M	Delta	Lam Research
Abbott	Discover	Leidos
Accenture	Dominion Energy	Lenovo
Air Force Research Laboratory	Dow	Lockheed Martin
Air Products & Chemicals	Dupont	Medtronic
Amazon	Eaton	Micron
American Express	Edwards	Microsoft
America's Navy	Eli Lilly	Mortenson
Amsted	Exxon Mobil	Motorola
Ansys	Ford	NASCAR
Apple	General Dynamics	Northrop Grumman
ASML	GE Aerospace	Nucor
BAE Systems	GE Vernova	Proctor & Gamble
Bank of America	General Motors	PepsiCo
Bechtel	Google	Qualcomm
Boeing	Granite	Rockwell Automation
Boston Scientific	Henkel	RTX
Cadence	HII	SoCalGas
Capital One	Honeywell	Southern Company
Carrier	HP	Texas Instruments
Cargill	IBM	UPS
Caterpillar	Ingersoll Rand	USAA
Chevron	Intel	Veolia
CIA	Jacobs	Wabtec
Cummins	John Deere	Wells Fargo
Danaher	Johnson & Johnson	Woodward



ABOUT

3M (Minnesota Mining and Manufacturing Company) is a multinational conglomerate founded in 1902, known for its innovation and diverse product range. It produces over 60,000 items across industries like consumer goods (e.g., Scotch Tape, Post-it Notes), health care (medical devices), industrial safety (PPE), and electronics. 3M is a global leader in research and development, holding thousands of patents, and operates in more than 70 countries. Its commitment to innovation, efficiency, and sustainability has made it a prominent player in various sectors.

EXAMPLE PROJECTS

3M has worked on numerous innovative projects, such as developing advanced personal protective equipment (PPE) like N95 respirators, which became crucial during the COVID-19 pandemic. They also pioneered reflective materials for road safety, used in traffic signs and vehicle markings, and created sustainable adhesives for reducing environmental impact. Another key project is their work in healthcare, developing wound care products and dental technologies to improve patient outcomes. Additionally, 3M has contributed to energy efficiency by creating films that enhance the performance of solar panels.

BUSINESS MODEL

3M's business model is centered on innovation and diversification, producing a wide range of products across various industries, from consumer goods to healthcare and industrial markets. The company invests heavily in research and development to create new technologies and improve existing ones, allowing it to maintain a strong portfolio of patents. 3M operates globally, leveraging its broad distribution network and strong customer relationships. It focuses on sustainable practices and continuous product improvement, driving growth through efficiency, adaptability, and market expansion.



MAJORS

Chemical Engineering

Computer Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Abbott



ABOUT

Abbott is a global healthcare company specializing in medical devices, diagnostics, nutrition, and pharmaceuticals. Founded in 1888, it's known for innovations like glucose monitors, cardiovascular devices, and Similac infant formula. Operating in over 160 countries, Abbott focuses on improving patient outcomes through advanced healthcare solutions and sustainable practices, addressing global health challenges with cutting-edge technology.

EXAMPLE PROJECTS

Abbott has developed several impactful projects, including the FreeStyle Libre continuous glucose monitoring system, which allows diabetes patients to monitor glucose levels without finger pricks. The company created the MitraClip, a minimally invasive device for treating mitral valve regurgitation, and launched PediaSure to support children's nutritional needs. Additionally, Abbott's rapid COVID-19 tests provided quick and accurate results during the pandemic, showcasing its commitment to advancing healthcare and improving lives globally.

BUSINESS MODEL

Abbott's business model focuses on innovation and diversification across four main segments: medical devices, diagnostics, nutrition, and pharmaceuticals. The company invests significantly in research and development to introduce advanced healthcare technologies and operates in over 160 countries to reach diverse patient populations. Committed to sustainability and corporate responsibility, Abbott aims to improve healthcare access and enhance the quality of life globally.



Abbott

MAJORS

Biomedical Engineering

Chemical Engineering

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Accenture

ABOUT

Accenture is a global professional services firm specializing in consulting, technology services, and outsourcing. Founded in the 1950s, it serves clients across various industries, including finance and healthcare. Accenture focuses on improving organizational performance through innovative solutions and digital transformation, emphasizing sustainability and corporate responsibility. By leveraging technologies like artificial intelligence and cloud computing, Accenture delivers value to its clients while driving positive change in communities.



EXAMPLE PROJECTS

Accenture has executed several notable projects that demonstrate its expertise in digital transformation. For example, it partnered with a major airline to implement a cloud-based solution that improved customer experience and streamlined operations. In healthcare, Accenture helped a pharmaceutical company develop a data analytics platform to accelerate drug research. Additionally, it worked with a global retailer to optimize its supply chain using AI and machine learning, enhancing efficiency and reducing costs. These projects highlight Accenture's commitment to delivering impactful solutions across diverse industries.

BUSINESS MODEL

Accenture's business model focuses on offering professional services, including consulting, technology solutions, and outsourcing, through five main segments: Strategy & Consulting, Digital, Technology, Operations, and Industry X. By leveraging advanced technologies like artificial intelligence and cloud computing, Accenture helps organizations drive digital transformation and improve efficiency. The firm emphasizes innovation and sustainability, aiming to create long-term value for clients while positively impacting communities worldwide.

MAJORS

 Biomedical Engineering

 Chemical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



ABOUT

AECOM is a global engineering and infrastructure firm that offers services in architecture, engineering, construction management, and environmental consulting. Founded in 1990, it has played a key role in shaping infrastructure projects worldwide, including transportation systems and sustainable urban development. AECOM emphasizes innovation and sustainability, using advanced technologies and data-driven solutions to address complex challenges for public and private sector clients, ultimately enhancing the quality of life in communities globally.

EXAMPLE PROJECTS

AECOM has undertaken notable projects such as the Dubai Water Canal, transforming it into a vibrant mixed-use development, and the LAX modernization project, enhancing infrastructure and passenger experience. The firm also plays a key role in the New York City Subway's East Side Access project, connecting the Long Island Rail Road to Grand Central Terminal to improve transportation efficiency. These projects highlight AECOM's commitment to sustainable and resilient infrastructure development.

BUSINESS MODEL

AECOM's business model emphasizes integrated solutions in engineering and infrastructure, operating across key areas like architecture, engineering, construction management, and environmental consulting. By leveraging advanced technologies and innovative practices, the company addresses complex urban development and sustainability challenges. AECOM collaborates with public and private sector clients to deliver tailored solutions that enhance project efficiency, with a strong commitment to sustainability and resilience to create lasting value for communities worldwide.



MAJORS

 Biomedical Engineering

 Chemical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Air Force Research Labs

ABOUT

The Air Force Research Laboratory (AFRL) is the U.S. Air Force's primary organization for scientific research and development, established in 1997. AFRL advances aerospace technology across various disciplines, including materials science, avionics, and cyber operations, to support national security. By collaborating with industry, academia, and other government agencies, AFRL develops innovative solutions and focuses on technology transition and rapid prototyping, ensuring the Air Force maintains its technological edge in a rapidly evolving global landscape.

EXAMPLE PROJECTS

The Air Force Research Laboratory (AFRL) is advancing aerospace technology through several key projects. Notable initiatives include the Next Generation Air Dominance (NGAD) for future air superiority fighters, the Autonomous Flight Safety System (AFSS) to enhance UAV safety, and research in hypersonics for vehicles exceeding Mach 5. AFRL is also developing directed energy weapons, focusing on high-energy laser systems for air defense, and exploring the integration of quantum computing and artificial intelligence to improve decision-making capabilities, underscoring its commitment to innovation and technological superiority.

BUSINESS MODEL

The Air Force Research Laboratory (AFRL) operates on a business model focused on innovation, collaboration, and technology transition to enhance U.S. Air Force capabilities. It conducts research across various scientific disciplines and partners with industry, academia, and government entities to leverage external expertise. By prioritizing rapid prototyping and technology transition, AFRL ensures that advancements are quickly integrated into operational use, maintaining the Air Force's technological edge in a dynamic defense landscape.



MAJORS

-  Aerospace Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



Air Products & Chemicals

ABOUT

Air Products and Chemicals, Inc., commonly referred to as Air Products, is a multinational industrial gases and chemicals company that provides a wide range of products and services to various industries. The company's primary focus is on supplying gases and chemicals essential for a wide range of industrial processes and applications.



EXAMPLE PROJECTS

Air Products has been instrumental in developing and supplying hydrogen fueling infrastructure for the automotive industry. They have worked on the installation of hydrogen fueling stations for fuel cell electric vehicles (FCEVs) in multiple countries, contributing to the growth of hydrogen-powered transportation.

BUSINESS MODEL

Air Products' business model is built on a foundation of providing essential industrial gases, chemicals, and services that support a vast array of industrial processes and applications. Its commitment to innovation, safety, environmental responsibility, and customer satisfaction has made it a leading player in the global industrial gases industry.

MAJORS

Chemical Engineering

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Amazon



ABOUT

Amazon.com Inc is one of the largest and most diversified multinational technology companies. Amazon's vast and diverse range of businesses and services has made it a prominent player in the technology and e-commerce sectors, with a significant global presence and customer base. Its commitment to innovation, customer-centricity, and continuous expansion has helped it become one of the most influential companies in the world.

EXAMPLE PROJECTS

Amazon Go is a cashier-less grocery and convenience store concept that uses advanced technology such as computer vision and sensors to enable a frictionless shopping experience. Amazon has been expanding this concept to more locations.



MAJORS

- Aerospace Engineering
- Chemical Engineering
- Computer Engineering
- Computer Science
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Mechanical Engineering

BUSINESS MODEL

Amazon's business model is built on customer-centricity, operational efficiency, and continuous innovation. It aims to provide a wide selection of products and services while leveraging technology to improve the customer experience and drive growth in various sectors.

LINKS



Career



News



ABOUT

Amentum is a global leader in engineering, project management, and logistics services, providing innovative solutions for critical missions in defense, energy, and environmental sectors. With a focus on technical expertise, operational excellence, and sustainability, Amentum supports government and commercial clients worldwide, delivering services that enhance security, infrastructure, and resilience. Its mission entails "bringing advanced engineering and technology solutions to the most significant challenges in science, security and sustainability."

EXAMPLE PROJECTS

Amentum has led key projects like nuclear waste cleanup at the Savannah River and Hanford Sites for the U.S. Department of Energy, operational support for NASA's Kennedy Space Center, and comprehensive logistics for U.S. military bases. They also provide expertise to the Defense Threat Reduction Agency, helping reduce global WMD threats. These efforts highlight Amentum's expertise in defense, energy, space, and environmental sectors.

BUSINESS MODEL

Amentum's business model focuses on delivering engineering, project management, and logistics services through long-term contracts with government clients, particularly in defense, energy, and environmental sectors. They generate revenue by providing mission-critical solutions that enhance operational readiness, sustainability, and efficiency for complex global challenges.



MAJORS

-  Aerospace Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering
-  Nuclear Engineering

LINKS



Career



News



American Express



ABOUT

American Express is a multinational financial services corporation primarily focused on payment cards and related financial products and services, such as credit and charge cards, membership rewards, travel services, and financial and banking services. The company has been increasingly focusing on digital transformation and fintech innovations.

EXAMPLE PROJECTS

American Express has recently implemented AI & data analytics to personalize the cardmember experience. Recent initiatives include American Express' expansion of the "Pay It Plan It" feature for flexible payment options, the launch of the American Express Business Blueprint platform for small businesses, and the implementation of blockchain technology for improved rewards redemption and fraud prevention.

BUSINESS MODEL

American Express's business model emphasizes high-quality customer service, premium benefits, and customer loyalty, primarily targeting higher-income and premium cardholders. Their "closed-loop" model differentiates them by allowing control over issuing cards, acquiring merchants, and processing transactions. The company has been investing heavily in digital capabilities and expanding its offerings for small businesses and younger consumers.

AMERICAN EXPRESS

MAJORS

 Computer Engineering

 Computer Science

 Industrial & Systems Engineering

LINKS



Career



News



America's Navy

ABOUT

The U.S. Navy ensures the presence of naval forces with the appropriate mix of platforms, capability, and capacity to maintain freedom of the seas, support international laws and norms, stand by allies, and continue to operate in accordance with international law. Their mission is to fly, sail, and operate wherever international law allows.



EXAMPLE PROJECTS

One notable project is the Advanced Electromagnetic Aircraft Launch System (EMALS), which replaces traditional steam catapults with an electromagnetic system. EMALS allows for more precise aircraft launches, reduced maintenance, and compatibility with a wider range of aircraft.

BUSINESS MODEL

While the U.S. Navy does not operate as a traditional business, its operations encompass complex logistics, procurement, human resources, and strategic planning. The overarching goal is to ensure the security and defense of the United States and its interests, domestically and internationally.

MAJORS

-  Aerospace Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering
-  Nuclear Engineering

LINKS



Career



News



Amsted

ABOUT

Amsted Industries is a diversified global manufacturer of industrial components serving sectors such as railroad, automotive, commercial vehicle, construction, and building markets. Combining advanced manufacturing processes with a commitment to continuous innovation, Amsted is a leader in each market segment they serve. The company operates through various divisions, including Amsted Rail, Amsted Automotive, and ConMet.



EXAMPLE PROJECTS

Development of the Dynamic Controllable Clutch (DCC) for electric vehicle drivetrains, Creation of an electronic wheel hub disconnect technology for electric drive axles, enabling 6x4 to 6x2 conversion in commercial vehicles, Wheel design innovation, including PreSet® & PreSet Plus® wheel hub assemblies for commercial vehicles, and Advancement in freight bogie systems for rail applications, focusing on lighter and more durable designs

BUSINESS MODEL

Amsted delivers high-quality industrial solutions across sectors. With a focus on innovation, engineering excellence, and strong customer relationships, company divisions include: Amsted Automotive: Electro-mechanical clutch solutions for EVs, ConMet: Wheel hubs, aluminum castings, and structural plastics for the commercial vehicle industry, Amsted Rail: Designs and manufactures bogie systems and other components for the rail industry

MAJORS

-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



Anduril

ABOUT

Anduril Industries, Inc. is an American defense technology company that specializes in autonomous systems. Founded in 2017, Anduril aims to modernize the militaries of the US and its allies, focusing on artificial intelligence, robotics, and advanced autonomous systems. Over 20% of Anduril's team are military veterans, bringing valuable field experience to ensure their products meet the needs of service members in active defense environments.

EXAMPLE PROJECTS

Anduril has developed several key products and systems such as Lattice: An AI-powered command and control system, Ghost: An autonomous unmanned aerial system (UAS), Anvil: A counter-UAS drone designed to intercept and disable enemy drones, Dive-LD: An autonomous underwater vehicle (AUV) for littoral and deep-water survey, inspection, and ISR missions, and CounterUAS: An end-to-end system that supports countering unmanned aerial threats.

BUSINESS MODEL

Anduril's centers creating advanced technology solutions for defense and security. Key elements include: Rapid development and deployment of innovative defense technologies, Integration of commercial off-the-shelf components with custom-developed systems, Software-first approach, with Lattice as the core operating system for various platforms, Focus on autonomous systems and AI-driven solutions, Collaboration with military and government agencies, Continuous research and development to address emerging threats



MAJORS

-  Aerospace Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News



Anheuser-Busch



ABOUT

Anheuser-Busch is a leading global brewer known for iconic beer brands such as Budweiser, Stella Artois, and Michelob Ultra. With a strong commitment to quality, innovation, and sustainability, Anheuser-Busch operates over 60 breweries worldwide and focuses on creating a positive impact on communities through responsible sourcing, environmental initiatives, and social responsibility. The company is part of AB InBev, the world's largest beer producer, and continues to lead the industry with its dedication to brewing excellence and sustainability efforts.

EXAMPLE PROJECTS

Anheuser-Busch is involved in several notable projects, such as their 100% Renewable Electricity Initiative, which powers all U.S. breweries with renewable energy, and their Water Stewardship Program, aimed at conserving water and improving access in high-stress regions. The company also leads in sustainable packaging through efforts like the Circular Packaging Initiative, promoting recyclable materials across its products. Additionally, Anheuser-Busch has spearheaded community projects like disaster relief through their Emergency Drinking Water Program, supplying clean water during natural disasters.

BUSINESS MODEL

Anheuser-Busch's business model revolves around producing and distributing a wide portfolio of beer and beverage brands globally. The company generates revenue through mass-market sales, leveraging economies of scale and extensive distribution networks. Their model focuses on brand strength, product innovation, and sustainability, with an emphasis on cost efficiency and vertical integration—from raw material sourcing to brewing and packaging. Anheuser-Busch also prioritizes partnerships with retailers and a direct-to-consumer approach to maintain market leadership and profitability.



Anheuser-Busch MAJORS

Chemical Engineering

Civil Engineering

Computer Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Ansys

ABOUT

Ansys develops and markets computer-aided engineering (CAE) and multiphysics simulation software for product design, testing, and operations, serving customers worldwide. Their software enables detailed simulations, allowing engineers to design and optimize products under various real-world conditions across multiple industries.

EXAMPLE PROJECTS

Ansys Fluent: A computational fluid dynamics (CFD) software, Ansys HFSS (High Frequency Structure Simulator): Used for designing and simulating high-frequency electronic products, Ansys Mechanical: A finite element analysis (FEA) tool used for structural analysis, and Ansys Maxwell: An electromagnetic field simulation software used for designing and analyzing electric motors, actuators, sensors, transformers, and other electromagnetic devices.

BUSINESS MODEL

Ansys' business model is based on: Providing a comprehensive suite of simulation software for various engineering discipline, Offering both perpetual licenses and subscription-based models, Continuous development and improvement of simulation capabilities, Integration with other CAD and PLM software, Providing training, support, and consulting services, Collaborating with academic institutions for research and education, and Expanding into new markets such as autonomous vehicles, 5G, and IoT



MAJORS

- Aerospace Engineering
- Biomedical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



Appfolio Inc.

ABOUT

AppFolio Inc. is a leading provider of cloud-based software solutions designed for the property management and legal industries. Founded in 2006, the company focuses on streamlining and automating processes for property managers, landlords, and legal professionals through innovative technology. AppFolio's user-friendly platform offers tools for online rent collection, tenant screening, maintenance management, and document management, enhancing operational efficiency and tenant experiences. With a commitment to customer success and continuous product innovation, AppFolio aims to empower businesses to thrive in a digital-first world.

EXAMPLE PROJECTS

AppFolio has launched several key projects, including the AppFolio Property Manager, which integrates online rent collection, tenant communication, and maintenance requests into one platform. Additionally, AppFolio is enhancing its software with data analytics and machine learning to provide real-time insights, demonstrating their commitment to improving operational efficiency for users.

BUSINESS MODEL

AppFolio's business model centers on providing subscription-based cloud software solutions for property management and legal industries. The company generates revenue through monthly subscription fees, offering tiered pricing plans that cater to various business sizes and needs. By continuously enhancing its platform with new features and integrations, AppFolio aims to deliver high customer value and retention. The model emphasizes scalability and efficiency, enabling clients to streamline operations and improve service delivery while leveraging data analytics for informed decision-making.

appfolio

MAJORS



Computer Engineering



Computer Science



Electrical Engineering



Industrial & Systems Engineering

LINKS



Career



News



Apple

ABOUT

Apple Inc. is a technology conglomerate renowned for its relentless pursuit of innovation and groundbreaking products. From the introduction of the Macintosh in 1984 to the iPhone, iPad, and Apple Watch, Apple has consistently redefined consumer technology. They excel in creating seamless user experiences, supported by a vast ecosystem of software, services, and hardware.



EXAMPLE PROJECTS

Apple's ongoing projects include: Development of the iPhone and its latest iterations, Exploration of sustainable production methods, The Apple Vision Pro, a revolutionary spatial computer that blends digital content with the physical world, Research into the Apple Car, aiming to innovate in electric vehicle technology.

BUSINESS MODEL

Apple's business model revolves around designing and manufacturing premium hardware, while offering an extensive range of supporting services such as the App Store, iCloud, Apple Music, and now Apple Vision Pro apps. Apple's mission is to provide customers with the best user experience through innovative hardware, software, and services. They continue to focus on creating a culture of inclusion, increasing representation, and accountability across teams.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Aptiv

ABOUT

Aptiv is a global technology company specializing in advanced electrical and electronic solutions for the automotive industry. Known for its work in connected car solutions, automated driving technologies, electrification, and vehicle architecture, Aptiv is committed to enhancing safety, efficiency, and connectivity in transportation.

EXAMPLE PROJECTS

Aptiv's recent and ongoing projects include: Development of autonomous driving technologies and systems, Expansion of electric vehicle solutions, including high-voltage systems, Advancement of software-defined vehicle architectures, Continued work on connected car technologies and cybersecurity solutions, and Partnerships with major automakers for next-generation vehicle systems

BUSINESS MODEL

Aptiv's business model focuses on providing advanced electrical and electronic solutions for the automotive sector. They generate revenue through product sales, software solutions, engineering services, collaborations, aftermarket services, R&D, and a growing focus on electric and autonomous vehicle solutions. This diverse model positions Aptiv as a leader in developing technology for safer, more efficient, and connected vehicles in the rapidly evolving automotive industry.

• A P T I V •

MAJORS

-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



ABOUT

Arcadis NV is a global design, engineering, and management consulting company headquartered in Amsterdam, Netherlands. Established in 1888, Arcadis operates in over 40 countries and employs approximately 36,000 people. The company focuses on delivering sustainable solutions for natural and built assets, enhancing quality of life through innovative practices in infrastructure, water management, and environmental services.

EXAMPLE PROJECTS

Arcadis is currently engaged in several significant projects like the Hudson Tunnel Project in New Jersey, which aims to improve rail connectivity between New Jersey and New York City. A flood protection program for the City of Virginia Beach, designed to enhance resilience against rising sea levels and extreme weather events. The development of a high-speed EV charging site in Houston, Texas, to support the growing demand for electric vehicle infrastructure.

BUSINESS MODEL

Arcadis's business model centers on providing data-driven sustainable design, consultancy, and engineering solutions across various sectors, including water, infrastructure, and environmental services. Revenue is generated through project-based contracts with public and private clients. The company emphasizes innovation, sustainability, and collaboration to deliver customized solutions that address complex challenges in urban development and resource management.



MAJORS

 Chemical Engineering

 Civil Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Arconic Corp



ABOUT

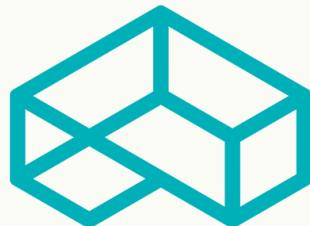
Arconic Corporation specializes in advanced materials and technologies, particularly in aluminum, titanium, and superalloys, catering to the aerospace and automotive industries. They supply critical components for aircraft and vehicles, focusing on lightweight and high-performance solutions. Arconic emphasizes innovation and sustainability and operates globally to serve diverse markets.

EXAMPLE PROJECTS

Arconic's projects include developing lightweight materials and components for electric vehicle (EV) battery enclosures. This project involves advanced materials engineering, manufacturing processes, and collaboration with EV manufacturers to create lightweight, structurally sound enclosures that improve EV energy efficiency and range. Additionally, Arconic has been involved in projects related to aerospace components and sustainable packaging solutions.

BUSINESS MODEL

Arconic's business model revolves around providing advanced materials and solutions, particularly aluminum, titanium, and superalloys, to industries like aerospace and automotive. They generate revenue through product sales, innovation, engineering and design services, a global presence, sustainability initiatives, collaborations with manufacturers, and aftermarket services. This model supports their ability to serve diverse industrial markets.



ARCONIC

MAJORS

- Aerospace Engineering
- Chemical Engineering
- Computer Engineering
- Electrical Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



Army Civilian Careers

ABOUT

Army Civilian Careers provide diverse professional opportunities to support the U.S. Army's mission across fields such as engineering, healthcare, information technology, and logistics. These positions are essential for ensuring the Army operates effectively and efficiently, offering competitive benefits and career development programs. Committed to diversity and inclusion, Army Civilian Careers attract individuals dedicated to serving the nation and enhancing national security.

EXAMPLE PROJECTS

Army Civilian Careers involve impactful projects like the Army Corps of Engineers' infrastructure development and disaster response initiatives, enhancing military readiness. The Logistics Civil Augmentation Program (LOGCAP) provides vital logistical support during contingency operations. Civilians also contribute to innovative research at the Army Research Laboratory, showcasing their essential role in supporting the Army's mission and national security.

BUSINESS MODEL

The business model of Army Civilian Careers focuses on recruiting and retaining skilled professionals to support the U.S. Army's mission across various fields, including engineering, logistics, and healthcare. By offering competitive salaries, benefits, and opportunities for career advancement, the Army attracts a diverse workforce dedicated to enhancing national security and operational effectiveness. This model emphasizes collaboration between military and civilian personnel, ensuring that critical functions are efficiently managed and that the Army can respond effectively to evolving challenges.



MAJORS

-  Civil Engineering
-  Chemical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News



ABOUT

Arup is a global engineering, design, and consulting firm specializing in services related to the built environment. Their expertise includes engineering, design, architecture, sustainability, urban development, and environmental consulting. Known for innovative and sustainable solutions, Arup operates worldwide to tackle complex challenges across sectors, from iconic architectural projects to infrastructure and urban planning, with social responsibility and collaboration as core principles.

EXAMPLE PROJECTS

Notable projects include urban planning, sustainability initiatives, infrastructure design, structural and mechanical engineering, acoustic design, transportation planning, community engagement, and sustainable building certifications to create eco-friendly communities that enhance residents' quality of life while minimizing environmental impact. Recent projects also focus on climate resilience, digital transformation in infrastructure, and sustainable transportation solutions.

BUSINESS MODEL

Arup's business model is based on providing multidisciplinary consulting, engineering, and design services with a strong focus on sustainability and digital innovation. Working via project-based contracts, working with stakeholders across sectors to deliver innovative, environmentally responsible solutions. Arup's global presence, commitment to research, and emphasis on social responsibility and sustainable development goals are integral to their success. The firm has been expanding its digital services and focusing on climate action and resilience in recent years.

ARUP

MAJORS

-  Civil Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



ASML

ABOUT

ASML is a global leader in the design and production of advanced lithography machines that are essential for the semiconductor industry. Their technology enables the creation of cutting-edge microchips used in various applications, providing groundbreaking solutions to some of society's toughest challenges, such as advanced patterning for technology development.

EXAMPLE PROJECTS

Recent projects include the development of the next-generation EUV system, High-NA EUV, which is expected to enable the production of even smaller and more complex chip designs. ASML is also working on advanced metrology and inspection systems to support the increasing complexity of semiconductor manufacturing.

BUSINESS MODEL

ASML's business model is built on being a top provider of semiconductor lithography equipment, with a focus on EUV technology. ASML's dedication to sustainability and ongoing research and development investment keeps them at the forefront of semiconductor advancements. They expanded its services offerings, including more comprehensive lifecycle management solutions for its systems. ASML has also increased collaborations with research institutions and customers to drive innovation in the semiconductor industry.

ASML

MAJORS

 Chemical Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



BAE Systems

ABOUT

BAE Systems is a global defense, security, and aerospace company with a diverse portfolio of products and services. Headquartered in London, United Kingdom, BAE Systems operates worldwide, providing advanced technological solutions to governments, defense forces, and commercial customers. They contribute to the aerospace industry and commercial aviation through their involvement in aircraft manufacturing and avionics systems.

EXAMPLE PROJECTS

BAE Systems is currently developing, constructing, and integrating two Canberra Class landing helicopter dock ships in Australia. As the Prime Contractor and leader in naval systems integration, amphibious platforms and capability, BAE Systems is managing the overall project in close cooperation with subcontractors Navantia, Saab and L-3 Communications. These new vessels will deliver the Australian Defence Force a massive boost to its maritime and amphibious capability.

BUSINESS MODEL

BAE Systems' business model revolves around being a global leader in defense, security, and aerospace solutions. They provide a diverse range of products and services to governments and commercial customers, including naval ships, military vehicles, cybersecurity, and advanced technology solutions. BAE Systems operates through government contracts, international partnerships, and innovation-driven research and development efforts, while also offering lifecycle support and emphasizing sustainability in their operations.

BAE SYSTEMS

MAJORS

-  Aerospace Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Mechanical Engineering

LINKS



Career



News



Bank of America



ABOUT

Bank of America is a prominent financial institution headquartered in Charlotte, North Carolina. It is one of the largest and most influential banks in the United States and globally. Bank of America provides a wide range of financial services, including retail banking, wealth management, investment banking, and commercial banking, serving millions of individual customers, businesses, and institutions.

EXAMPLE PROJECTS

Bank of America is constantly searching to launch new financial products and services. By the end of 2023, the bank will complete a three-year project to renovate and modernize its financial centers across the country. Through this effort, 100% of its existing centers will have been renovated with a focus to create offices and meeting spaces for clients to talk with financial specialists, make state of the art technology easier to access at the front of the centers, and ensure clients have a consistent, modern experience inside every center.

BUSINESS MODEL

Bank of America's business model is grounded in being a comprehensive financial services provider. Their revenue streams include interest income from loans and deposits, fees from various financial products and services, and asset management. The bank's network of branches and digital platforms caters to millions of individual customers, businesses, and institutions, facilitating access to a wide array of financial solutions.



BANK OF AMERICA

MAJORS



Computer Engineering



Computer Science



Industrial & Systems Engineering

LINKS



Career



News



Barnard Construction

ABOUT

Barnard Construction Company is a leading firm specializing in heavy civil construction and infrastructure projects. Known for its expertise in hydroelectric power, underground construction, environmental remediation, and civil engineering, Barnard places a strong emphasis on safety, quality, and environmental stewardship. Operating nationally and internationally, they contribute significantly to critical infrastructure development.

EXAMPLE PROJECTS

Barnard recently completed the restoration of Boone Dam's crest to its original elevation and built a concrete floodwall as part of the Boone Dam Internal Erosion Remediation Program, the largest dam safety project in Tennessee Valley Authority history. Additionally, Barnard has begun construction on the Hermes low-power demonstration reactor for Kairos Power LLC in Oak Ridge, Tennessee. This project, set to complete by 2027, is the first next-generation nuclear reactor approved by the U.S. Nuclear Regulatory Commission in nearly 60 years.

BUSINESS MODEL

Barnard Construction's business model is based on providing specialized construction services for dams, reservoirs, hydroelectric power, tunnels, shafts, oil and gas pipelines, utilities, power transmission, and environmental remediation. Their commitment to safety, quality, sustainability, and engineering expertise enables them to undertake complex and diverse projects, including emerging technologies like next-generation nuclear reactors.

BARNARD

MAJORS



Civil Engineering



Environmental Engineering



Mechanical Engineering



Nuclear Engineering

LINKS



Career



News



ABOUT

BASF, headquartered in Ludwigshafen, Germany, is one of the world's largest chemical companies and a leading provider of chemicals, materials, and solutions across various industries. With a strong global presence, BASF's operations include the production of chemicals, plastics, agricultural solutions, and other innovative products that support sectors like agriculture, automotive, and construction.

EXAMPLE PROJECTS

One of BASF's current projects focuses on developing advanced battery materials for electric vehicles (EVs). They are creating innovative cathode materials that improve lithium-ion battery performance, enhancing energy storage, range, and charging efficiency in EVs. BASF is also investing in circular economy initiatives, including chemical recycling of plastic waste and the development of bio-based materials to reduce reliance on fossil resources.

BUSINESS MODEL

BASF's business model centers on being a global leader in the chemical industry, providing diverse chemicals, materials, and tailored solutions to sectors like agriculture, automotive, and construction. They focus on the sale of chemicals, plastics, agricultural products, and advanced materials, with a strong emphasis on research and development, sustainability, and customer-specific solutions. Recently they've increased digitalization and sustainability, integrating these into their core business strategy to drive innovation and address global challenges.



MAJORS

-  Chemical Engineering
-  Computer Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



ABOUT

Bechtel is a globally recognized engineering, construction, and project management company headquartered in Reston, Virginia. With over 125 years of experience, Bechtel is renowned for delivering complex, large-scale infrastructure projects across energy, transportation, telecommunications, and civil infrastructure industries. The company operates in nearly 160 countries and has completed more than 25,000 projects.



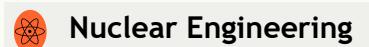
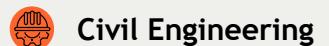
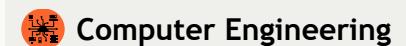
MAJORS

EXAMPLE PROJECTS

Bechtel is currently involved in several significant projects, including: The Corpus Christi Liquefaction Project in Texas, US, Hamad International Airport in Doha, Qatar, Los Pelambres Copper Mine in Chile, Calgary's Green Line LRT Project (Phase One) in Canada

BUSINESS MODEL

Bechtel's business model revolves around providing engineering, construction, and project management services. As a comprehensive solutions provider, Bechtel emphasizes innovation, sustainability, and safety in planning, designing, and executing projects. Their commitment includes effectively managing project delivery, prioritizing workforce well-being, and minimizing environmental impact. The company has been increasingly focusing on sustainability and clean energy projects.



LINKS



Career



News





Bloomberg

ABOUT

Bloomberg L.P. is a global financial and media company providing a comprehensive suite of products and services primarily focused on delivering financial data, analytics, and news to finance and investment professionals. Its services are essential for the finance, investment, and trading sectors, offering critical tools for professionals in these industries. The company has expanded its focus to include climate change, sustainability, and technology coverage.

EXAMPLE PROJECTS

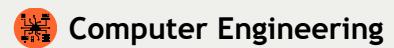
Bloomberg's Gender-Equality Index continues to be a significant project, evaluating and promoting gender equality and female empowerment within companies. Additionally, Bloomberg has launched new initiatives such as: Bloomberg Green, focusing on climate change and sustainability news and data, Bloomberg New Economy Forum, addressing global economic challenges, and Expansion of ESG data and analytics offerings

BUSINESS MODEL

Bloomberg's business model remains centered on meeting the information and technology needs of the financial and business sectors. They combine subscription-based services with advertising and data sales, establishing themselves as a prominent player in financial and business information. The company has been expanding its services to include more ESG (Environmental, Social, and Governance) data, climate analytics, and technology-focused offerings.

Bloomberg

MAJORS



LINKS



Career



News



Blue Origin LLC



ABOUT

Blue Origin is an aerospace manufacturer and spaceflight services company founded by Jeff Bezos with the mission of advancing space exploration and making space travel more accessible. They focus on developing reusable spacecraft for suborbital and orbital flights, including the New Shepard suborbital spacecraft and New Glenn orbital rocket. Blue Origin is also involved in lunar exploration through NASA's Artemis program, promoting space tourism, sustainability, and educational outreach.

EXAMPLE PROJECTS

Blue Origin debuted the launch of its second human-rated New Shepard vehicle, NS-27, which will expand flight capacity to meet growing customer demand. The company is also nearing the long-awaited launch of its New Glenn rocket, with the inaugural flight scheduled for November 2024. New Glenn recently completed a successful second stage hotfire test, a crucial milestone in preparation for its first launch.

BUSINESS MODEL

Blue Origin's business model is based on making space exploration and accessibility a reality. They offer suborbital space tourism, develop technology for lunar exploration, provide commercial launch services, and prioritize sustainability and innovation. Blue Origin actively pursues government contracts, engages in educational outreach, and envisions building the infrastructure for sustainable human presence in space.

BLUE ORIGIN



MAJORS

Aerospace Engineering

Computer Engineering

Computer Science

Electrical Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



BNY Mellon

ABOUT

BNY Mellon, headquartered in New York City, is a global financial services company specializing in asset servicing, asset management, and wealth management. With a history dating back to 1784, BNY Mellon is known for its expertise in investment management, custody, and financial solutions, managing and safeguarding trillions of dollars in assets for institutions, corporations, and individual investors worldwide.

EXAMPLE PROJECTS

BNY Mellon is developing innovative blockchain and digital ledger technology solutions to enhance its financial services. This project aims to streamline transaction processes, improve data security, and create efficient settlement mechanisms for financial assets, aligning with BNY Mellon's focus on financial innovation.

BUSINESS MODEL

BNY Mellon's business model centers on offering a comprehensive range of financial services to global clients, including investment management, custody, and wealth management. Revenue is generated through these financial services, with a focus on client-centric, innovative solutions that support asset management and investment needs.



BNY MELLON

MAJORS

Computer Engineering

Computer Science

Industrial & Systems Engineering

LINKS



Career



News



Boeing



ABOUT

Boeing is a leading global aerospace company that develops, manufactures and services commercial airplanes, defense products and space systems for customers in more than 150 countries. As a top U.S. exporter, the company leverages global talent base to advance economic opportunity, sustainability and community impact. Boeing's diverse team is committed to innovating for the future, leading with sustainability, and cultivating a culture based on the company's core values of safety, quality and integrity.



EXAMPLE PROJECTS

Boeing is currently developing several key projects: The 737 MAX and 777X: new generations of commercial airplanes, The CST-100 Starliner spacecraft for NASA's Commercial Crew program, The MQ-25 unmanned aerial refueler for the U.S. Navy, Sustainable aviation initiatives, including investment in sustainable aviation fuels (SAF) production, The Q4S satellite, to demonstrate quantum entanglement swapping capabilities on orbit in 2026

MAJORS

- Aerospace Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering

BUSINESS MODEL

Boeing's business model revolves around being a global leader in aerospace, defense, and services. The company generates does so through: Commercial airplane sales and services, Defense, space, and security contracts, Global services, including supply chain and engineering support, and Technology and innovation initiatives

LINKS



Career



News



Booz Allen Hamilton

ABOUT

As a leading management and information technology consulting firm that provides comprehensive services to government agencies, businesses, and organizations. Their expertise spans management consulting, IT, cybersecurity, data science and analytics, and engineering. Known for their global presence, they are recognized for helping clients solve complex problems, improve operations, and drive technological innovation and efficiency, with a particular focus on cybersecurity and digital transformation.

EXAMPLE PROJECTS

A hypothetical project for Booz Allen Hamilton could involve enhancing the cybersecurity of a government agency. This project would include a cybersecurity assessment, developing a tailored strategy, implementing advanced security technologies, providing training, and creating an incident response plan. The goal is to secure critical assets, ensure compliance, and improve the agency's resilience against cyber threats.

BUSINESS MODEL

Booz Allen Hamilton's business model focuses on delivering consulting and technology services to government agencies and commercial clients, with expertise in management consulting, IT, cybersecurity, and data science. They actively pursue government contracts, collaborate with industry partners, and foster innovation and educational outreach.

Booz | Allen | Hamilton®

MAJORS

-  Aerospace Engineering
-  Biomedical Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News



Boston Scientific



ABOUT

Boston Scientific is a prominent global medical technology company headquartered in Marlborough, Massachusetts. Specializing in innovation and healthcare solutions, they develop and manufacture a range of medical devices. Their product portfolio includes advanced technologies in cardiovascular interventions, cardiac rhythm management, endoscopy, urology, and neuromodulation. The company operates in more than 100 countries and has been advancing science for life for over 40 years.

EXAMPLE PROJECTS

Boston Scientific has been developing several key projects: The WATCHMAN™ Left Atrial Appendage Closure (LAAC) Device for reducing stroke risk in atrial fibrillation patients. The Spectra WaveWriter™ Spinal Cord Stimulator System for chronic pain management. The EXALT™ Model D Single-Use Duodenoscope, designed to eliminate the risk of infections caused by ineffective reprocessing of reusable duodenoscopes. Ongoing research and development in areas such as deep brain stimulation, endoscopic technologies, and minimally invasive surgical tools.

BUSINESS MODEL

Boston Scientific's business model centers on being a leading provider of medical technology solutions. Revenue is generated through the sale of innovative medical products and related services. Their model emphasizes research-driven innovation, collaboration with healthcare professionals, and a commitment to addressing critical medical challenges to improve patient care. The company has been focusing on expanding its digital health capabilities and sustainable practices.

Boston Scientific

MAJORS



Biomedical Engineering



Chemical Engineering



Computer Science



Electrical Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



ABOUT

BP, formerly known as British Petroleum, is a major multinational energy company headquartered in London, United Kingdom. With a global reach, BP is a key player in the oil and gas industry, involved in exploration, production, refining, distribution, and marketing of petroleum and related products. BP is also actively developing renewable energy sources, such as wind and solar, as part of its commitment to a sustainable energy future.

EXAMPLE PROJECTS

The Mad Dog Phase 2 project includes a new semisubmersible floating production platform capable of producing up to 140,000 barrels of crude oil per day and injecting 140,000 barrels of water daily with a LoSal system to enhance oil recovery. The platform, located about 190 miles south of New Orleans, sits in 4,500 feet of water.

BUSINESS MODEL

BP's business model is centered on being a comprehensive energy company engaged in the exploration, production, refining, distribution, and marketing of petroleum products and natural gas, with an increasing focus on low-carbon energy solutions. Revenue is generated from the sale of fossil fuels and investments in alternative energy technologies, supporting BP's goal of balancing traditional hydrocarbon-based resources with renewable energy.



MAJORS

- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Mechanical Engineering

LINKS



Career



News



Burns & McDonnell

ABOUT

Burns & McDonnell is an engineering, design, and construction firm that designs and builds both tangible and intangible infrastructure that supports city and community success. With a legacy dating back to 1898, they provide essential infrastructure services, emphasizing safety, client success, and societal benefit. The company has been expanding its focus on renewable energy, sustainability, and innovative solutions for complex infrastructure challenges.

EXAMPLE PROJECTS

Burns & McDonnell is involved in several key projects: Renewable diesel plants on the Gulf Coast, supporting the U.S. renewable fuel sector and meeting renewable fuel standard program requirements to reduce greenhouse gas emissions. Carbon capture, utilization, and storage (CCUS) projects, including front-end engineering design (FEED) services for direct air capture (DAC) hubs. Renewable fuels and chemicals projects, including feedstock preparation, pretreatment, and advanced recycling initiatives. Electric vehicle infrastructure projects, such as the ChargeReady program providing make-ready EV infrastructure in California.

BUSINESS MODEL

Burns & McDonnell's business model revolves around offering engineering, design, construction, environmental, and consulting services across various industries. They prioritize client satisfaction, safety, innovation, and sustainability, delivering customized solutions that address infrastructure and environmental needs. The company has been expanding its services in renewable energy, decarbonization, and sustainable infrastructure solutions.



MAJORS

- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Mechanical Engineering

LINKS



Career



News



BWX Technologies

ABOUT

BWX Technologies, Inc. is a leading provider of nuclear reactor components and fuel, specializing in advanced manufacturing and engineering services for government and commercial clients. With a focus on safety and innovation, BWX designs nuclear systems for naval propulsion, commercial power generation, and medical isotopes. Headquartered in Lynchburg, Virginia, the company is committed to supporting national security and energy needs while prioritizing sustainability and environmental stewardship.

EXAMPLE PROJECTS

BWX Technologies has developed naval nuclear propulsion systems for the U.S. Navy, produces high-assay low-enriched uranium fuel for commercial reactors, and contributes to medical isotope production for diagnostic imaging and cancer treatment. These projects highlight BWX's expertise in nuclear technology and its impact on national security and healthcare.

BUSINESS MODEL

BWX Technologies' business model centers on providing nuclear reactor components, fuel, and services for defense and energy clients. It generates revenue through long-term contracts, focusing on safety, innovation, and quality. BWX leverages its nuclear expertise to support national security and sustainability goals.



MAJORS

Chemical Engineering

Civil Engineering

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



C3 AI



ABOUT

C3.ai, founded in 2009, is a leading AI software company specializing in enterprise AI solutions for digital transformation. Its platform enables organizations across industries like energy, healthcare, and finance to efficiently build AI applications, optimize operations, and improve decision-making through machine learning, big data, and IoT.



EXAMPLE PROJECTS

C3.ai has undertaken impactful projects, including a collaboration with Boeing to enhance predictive maintenance and optimize supply chains in aircraft manufacturing. It partnered with Shell to deploy AI solutions for improving energy efficiency in oil and gas production and worked with the U.S. Air Force to implement AI-driven analytics for mission planning. These projects showcase C3.ai's commitment to using AI technology to drive innovation and efficiency across various sectors.

MAJORS

-  Computer Engineering
-  Computer Science
-  Electrical Engineering

BUSINESS MODEL

C3.ai operates on a subscription-based model, generating revenue through licensing its enterprise AI software and providing implementation, customization, and support services. The company fosters long-term partnerships, helping clients develop and scale AI applications to enhance efficiency and decision-making while addressing diverse business needs for digital transformation.

LINKS



Career



News



Cadence Design Systems

ABOUT

Cadence Design Systems is a global leader in electronic design automation (EDA), headquartered in San Jose, California. Specializing in software, hardware, and intellectual property (IP) solutions, Cadence supports the semiconductor and electronics industries with advanced tools for designing and verifying complex integrated circuits and electronic systems.

EXAMPLE PROJECTS

Cadence is currently focusing on using generative AI for product development. Their generative AI solution spans from chip to system to product, integrating with existing design tools to enable designers to use generative AI seamlessly. Applications range from drug design in life sciences to specification and manufacturing, accelerating the development of new drugs and molecules with optimized efficacy and safety.

BUSINESS MODEL

Cadence's business model is centered on providing EDA software solutions that support semiconductor and electronics companies in efficiently designing, verifying, and manufacturing advanced integrated circuits and systems. They generate revenue through software licensing, support, and service offerings.

cadence®

MAJORS

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Capital Group American Funds

ABOUT

Capital Group American Funds is a leading investment management firm established in 1931, known for its long-term, active management approach to asset management. The firm offers a diverse range of mutual funds aimed at delivering consistent performance through rigorous research and fundamental analysis. With a focus on various asset classes, including equities and fixed income, American Funds is dedicated to helping individual and institutional investors achieve their financial goals while prioritizing integrity and client service.

EXAMPLE PROJECTS

Capital Group American Funds focuses on various investment initiatives rather than traditional projects. Notable areas include sustainable investing, where they develop funds that prioritize environmental, social, and governance (ESG) criteria. They also actively manage global investment strategies that provide access to emerging markets, tapping into growth opportunities in developing economies. Additionally, Capital Group offers retirement solutions through targeted funds designed to help individuals plan for long-term financial security. These initiatives reflect their commitment to providing diverse investment options tailored to investors' evolving needs.

BUSINESS MODEL

Capital Group American Funds operates on a business model focused on active investment management, generating revenue through management fees on mutual funds and investment portfolios. The firm relies on experienced portfolio managers and rigorous research to make informed investment decisions across various asset classes. By prioritizing client service and financial integrity, Capital Group builds long-term relationships with investors, adapting to changing market conditions to deliver sustained value.



**CAPITAL
GROUP®** | **AMERICAN
FUNDS®**

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

LINKS



Career



News





Capital One

ABOUT

Capital One, headquartered in McLean, Virginia, is one of the largest banks in the United States, known for its innovative approach to financial services. They offer a variety of products, including credit cards, loans, and digital banking solutions, with a focus on technology-driven, user-friendly financial experiences. Founded on the belief that the banking industry would be revolutionized by information and technology, Capital One continues to be a leader in digital innovation in the financial sector.

EXAMPLE PROJECTS

Capital One is focused on enhancing fraud prevention capabilities within tight SLAs. Recently, the team migrated its systems to Aurora PostgreSQL and began experimenting with the partman extension to automate partitioning processes. This project aims to provide the necessary functionality for APIs and models to make real-time, fraud-prevention decisions efficiently. Capital One has also been working on implementing AI and machine learning technologies to improve customer experiences and financial services. They have been expanding their digital banking platforms and investing in cybersecurity measures to protect customer data.

BUSINESS MODEL

Capital One's business model is customer-centric, leveraging technology and data analytics to offer personalized financial experiences and innovative digital banking. Their approach focuses on accessibility and ease of use, with an emphasis on growth through advanced financial solutions to meet the diverse needs of customers. The company generates revenue through credit card services, consumer banking, commercial banking, and various financial products.



MAJORS

Computer Engineering

Computer Science

Industrial & Systems Engineering

LINKS



Career



News





ABOUT

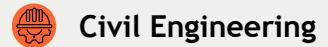
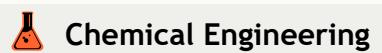
Cargill's purpose is to nourish the world safely, responsibly, and sustainably by connecting farmers with markets, customers with ingredients, and people and animals with the food they need to thrive. Leveraging both experience and new technologies, Cargill serves as a trusted partner for food, agriculture, financial, and industrial customers across more than 125 countries.



EXAMPLE PROJECTS

In 2021, Cargill announced plans to begin construction on a new canola processing facility in Regina, Saskatchewan, to meet the rising global demand for canola products. This \$350 million project, modeled after Cargill's Camrose facility, is expected to be operational by early 2024.

MAJORS



BUSINESS MODEL

Cargill's business model encompasses the entire food and agriculture supply chain, including the sourcing, processing, distribution, and marketing of various commodities and food products. As a global leader in commodity trading, Cargill provides services to farmers and producers while prioritizing sustainability, responsible sourcing, and community engagement. They aim to foster strong customer relationships and drive innovation across their global operations.

LINKS



Career



News



Carrier

ABOUT

Carrier Corporation is a global leader in HVAC, refrigeration, fire, security, and building automation technologies. They provide a wide range of climate control and safety solutions for residential, commercial, and industrial settings. With a strong focus on sustainability and innovation, Carrier offers energy-efficient and environmentally friendly products and services to create comfortable and efficient living and working environments.



EXAMPLE PROJECTS

Carrier launched its new Carrier Ecohome Program designed to help homeowners, home builders, and HVAC contractors best utilize the long-term tax credits available under the Inflation Reduction Act, the program also helps consumers further maximize savings while improving sustainability.

BUSINESS MODEL

Carrier designs, manufactures, and distributes a wide range of HVAC and refrigeration equipment and systems, including air conditioners, heating systems, refrigeration units, and more. They produce these products for both residential and commercial use. Carrier often partners with a network of dealers, contractors, and service providers to offer installation, maintenance, and repair services for their HVAC systems. They invest in technology and energy-efficient products to meet the evolving needs of customers and to comply with environmental regulations. Products are designed to reduce energy consumption and greenhouse gas emissions. Carrier serves customers in numerous countries, and often adapts products and services to meet local regulations, climate conditions, and customer preferences.

MAJORS

 Chemical Engineering

 Computer Science

 Civil Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Caterpillar



ABOUT

Caterpillar Inc. is the world's leading manufacturer of construction and mining equipment, off-highway diesel and natural gas engines, industrial gas turbines, and diesel-electric locomotives. Their company strategy reflects their legacy and continuing commitment to meet the needs of customers and build a better, more sustainable world while contributing to a reduced-carbon future.



EXAMPLE PROJECTS

Caterpillar collaborated with Albemarle to pioneer sustainable mining technologies and operations, including an agreement for the deployment of Cat battery-electric trucks and site energy transfer solutions, a lithium offtake framework agreement, and an agreement to explore potential opportunities to collaborate on research into battery technology.

BUSINESS MODEL

Caterpillar designs, manufactures, and markets a diverse range of heavy equipment, including construction machinery, mining equipment, engines, generators, and more. They sell these products to customers globally. They offer a range of aftermarket services, including spare parts, maintenance, repair, and rebuild services for its equipment and engines. Caterpillar Financial Services Corporation (Cat Financial) is a subsidiary of Caterpillar that provides financing, leasing, and insurance solutions to customers and dealers.

MAJORS

Computer Science

Civil Engineering

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



CF Industries Holdings

ABOUT

CF Industries Holdings, Inc. is a global leader in the production and distribution of nitrogen-based fertilizers and agricultural solutions. They support global agriculture by providing essential nutrients that enhance crop yields and promote sustainable farming practices. The company is dedicated to innovation, sustainability, safety, and responsible nutrient management, contributing significantly to global food production and agriculture.

EXAMPLE PROJECTS

CF Industries collaborates with local farmers and researchers to develop a customized and sustainable fertilizer formulation to improve crop yields in a specific agricultural region. This project involves soil analysis, tailored fertilizer blends, nitrogen stabilization, environmental impact assessment, field trials, farmer training, and ongoing monitoring. The project aims to increase crop yields, enhance nutrient efficiency, and support sustainable agriculture while aligning with CF Industries' commitment to innovation and environmental responsibility.

BUSINESS MODEL

CF Industries Holdings, Inc. operates with a business model that focuses on the production and distribution of nitrogen-based fertilizers and tailored agricultural solutions. They serve a global market, offering products and practices that enhance crop yields, support sustainable agriculture, and reduce the environmental impact of fertilizer use.



MAJORS

Chemical Engineering

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News





Chevron

ABOUT

Chevron Corporation is an American multinational energy corporation predominantly specializing in oil and gas. The second-largest direct descendant of Standard Oil, and originally known as the Standard Oil Company of California, it is headquartered in San Ramon, California, and active in more than 180 countries. Chevron values responsibility, trust, and integrity. Their company culture is driven by dedication to quality.



EXAMPLE PROJECTS

The Gorgon Project is one of the world's largest natural gas projects. With total daily production averaging 2.1 billion cubic feet of natural gas and 15,000 barrels of condensate in 2020, the Gorgon Project will continue to be an important pillar of the Australian economy for decades to come. Unlocking this energy puts Australia in a prime position to meet future demand and provide a clean-burning fuel, both at home and overseas.

BUSINESS MODEL

Chevron Corporation operates with a diversified business model in the energy industry. Their model encompasses upstream exploration and production of oil and natural gas, downstream refining and marketing of petroleum products, investments in renewable and alternative energy, lubricants and chemicals production, global presence, technology and innovation, environmental stewardship, safety, corporate responsibility, and research and development.

MAJORS

Chemical Engineering

Computer Engineering

Electrical Engineering

Environmental Engineering

Civil Engineering

Mechanical Engineering

LINKS



Career



News



Chewy



ABOUT

Founded in 2011, Chewy is a leading online retailer of pet food and products, offering a wide range of items, including food, toys, and grooming supplies, along with a subscription service for regular deliveries. Known for exceptional customer service and a user-friendly platform, Chewy enhances the shopping experience for pet owners and is committed to pet welfare and community engagement, making it a trusted name among pet families.

EXAMPLE PROJECTS

Chewy is involved in several initiatives, including the Chewy Pharmacy, which offers prescription medications for pets, and the ChewyGo program, partnering with local shelters to facilitate pet adoptions. The company hosts virtual events, such as pet training webinars, to educate pet owners. Chewy also emphasizes sustainability by reducing packaging waste and collaborating with eco-friendly brands, demonstrating its commitment to pet welfare and community engagement.

BUSINESS MODEL

Chewy operates on a direct-to-consumer business model, focusing on online retail for pet food and products. The company generates revenue through the sale of a wide range of pet supplies, including food, toys, and healthcare items, often utilizing a subscription model for regular deliveries. Chewy emphasizes exceptional customer service, including 24/7 support, to enhance the shopping experience. By leveraging technology and data analytics, Chewy optimizes inventory management and personalized marketing, fostering customer loyalty and driving repeat purchases.

MAJORS

Chemical Engineering

Computer Engineering

Electrical Engineering

Environmental Engineering

Civil Engineering

Mechanical Engineering

LINKS



Career



News



ABOUT

The Central Intelligence Agency (CIA) is a key U.S. government agency responsible for collecting and analyzing intelligence related to foreign governments, organizations, and individuals that may pose a threat to the United States. The CIA supports national security through intelligence gathering, covert operations, counterterrorism, counterintelligence, cybersecurity, international collaboration, and analysis. It plays a crucial role in shaping U.S. foreign policy and safeguarding the nation's security interests.



EXAMPLE PROJECTS

CIA project involves a counterterrorism operation in a hostile and remote region. The project includes intelligence gathering, covert surveillance, asset recruitment, counterterrorism actions, coordination with international allies, and analysis of gathered data. The desired outcomes are the disruption of terrorist activities, actionable intelligence, and enhanced security for U.S. national interests. Actual CIA projects are classified and not publicly disclosed.

BUSINESS MODEL

The CIA is a United States government agency, and as such, it does not have a traditional business model like a commercial corporation. Its operations are funded by the U.S. government through the federal budget. The CIA collects intelligence through a variety of means, including human intelligence (HUMINT), signals intelligence (SIGINT), imagery intelligence (IMINT), and open-source intelligence (OSINT). This information is used to assess threats, inform policy-making, and protect national interests. The agency also conducts covert operations when authorized by the President and Congress.

MAJORS

 Computer Science

 Computer Engineering

 Electrical Engineering

LINKS



Career



News



ABOUT

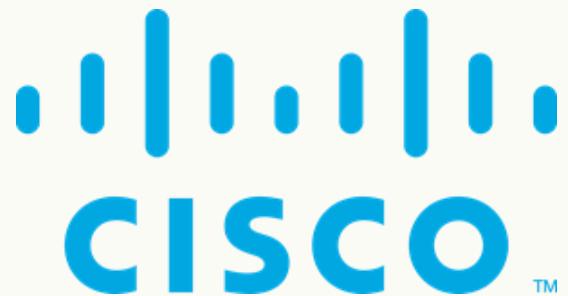
Cisco is a multinational technology company known for its networking hardware, software, and telecommunications equipment. It's one of the world's leading companies in the field of networking and information technology.

EXAMPLE PROJECTS

Cisco works on a wide range of projects across various industries and sectors. These projects often involve the implementation of networking, communication, and IT solutions to address specific needs and challenges. Some example projects may include enterprise network upgrades, cybersecurity solutions, digital transformation initiatives, smart cities and IoT, healthcare IT infrastructure, education technology, telecommunication networks, cloud services, collaboration solutions, data center modernization, manufacturing and industry 4.0, supply chain optimization, agriculture and agTech, energy and utilities, and environmental modeling.

BUSINESS MODEL

Cisco designs, manufactures, and sells a broad range of networking hardware, including routers, switches, access points, and other networking devices. These products form the foundation of computer networks and data communication. Cisco also develops and provides software solutions for network management, security, and automation. Cisco's software offerings include network operating systems, security applications, and collaboration tools. Cisco also provides customer support services, cybersecurity hardware, software, and services, as well as cloud services.



MAJORS

Computer Science

Computer Engineering

Electrical Engineering

Environmental Engineering

Civil Engineering

Mechanical Engineering

LINKS



Career



News



Clorox Company



ABOUT

Our products make the world around us and the spaces inside and outside our homes healthier, cleaner and safer. They strengthen bodies and minds, and help people care for themselves and the people and pets they love. Our brands bring people together and make life a little more joyful. It's why people love us. When our consumers are well and thriving, we are.



EXAMPLE PROJECTS

Brita, a brand under the Clorox Company makes water filters. The white Standard Filters for Brita® Pitchers and Dispensers incorporate multiple processes to filter water. First, water flows through a built-in mesh screen that prevents black flecks. Secondly, activated carbon granules act like a sponge to reduce mercury and chlorine taste and odor. Also, Ion Exchange Resin captures copper, zinc and cadmium.

BUSINESS MODEL

Clorox's business model centers around delivering trusted and essential consumer and professional cleaning, disinfecting, and personal care products to meet the needs of households and businesses. Their commitment to quality and safety is a hallmark of their operations.

MAJORS



Chemical Engineering



Electrical Engineering



Industrial & Systems Engineering



Mechanical Engineering



Materials Science & Engineering

LINKS



Career



News



Constellation Energy

ABOUT

Constellation is the nation's largest producer of carbon-free energy and provides sustainable solutions to homes, businesses, and public-sector customers across the continental United States.



Constellation®

MAJORS

 Chemical Engineering

 Computer Science

 Electrical Engineering

 Environmental Engineering

 Civil Engineering

 Mechanical Engineering

 Materials Science & Engineering

 Nuclear Engineering

LINKS



Career



News

EXAMPLE PROJECTS

Constellation Energy is a major participant in the MachH2 hydrogen hub recently selected for up to \$1 billion by the Department of Energy as part of the Infrastructure Investment and Jobs Act. Constellation will use a portion of the hub funding to build the world's largest nuclear-powered clean hydrogen production facility at its LaSalle Clean Energy Center in Illinois.

BUSINESS MODEL

Constellation Energy's business model is centered around providing a range of energy products and services to a diverse customer base, with a focus on energy supply, generation, renewable energy, energy efficiency, and sustainability. They help customers manage their energy needs, reduce energy costs, and navigate the evolving energy landscape while striving to promote environmentally responsible practices.



Cook Medical

ABOUT

Founded in 1963, Cook Medical is a global leader in medical device manufacturing, specializing in interventional medicine, urology, gastroenterology, and vascular health. The company develops minimally invasive technologies to improve patient outcomes, emphasizing quality and safety through advanced materials. Cook Medical collaborates with healthcare professionals to meet evolving medical needs and enhance global healthcare.

EXAMPLE PROJECTS

Cook Medical has been involved in several notable projects, including the development of the Zilver® Vena Inferior Vena Cava Filter, designed to prevent pulmonary embolism with the option for retrieval. They have also created advanced biopsy systems for minimally invasive tissue sampling, along with balloon occlusion devices used in interventional radiology to control bleeding during procedures. Additionally, Cook Medical collaborates with healthcare professionals on research initiatives to develop tailored solutions for complex medical challenges, demonstrating their commitment to innovation and improving patient care through advanced medical technologies.

BUSINESS MODEL

Cook Medical operates on a business model focused on developing and manufacturing innovative medical devices for specialties like interventional medicine and urology. The company generates revenue through sales of its advanced products to healthcare providers worldwide. By prioritizing research and development, Cook Medical invests in minimally invasive solutions that improve patient outcomes and procedural efficiency, while collaborating with healthcare professionals to address evolving medical needs.



MAJORS

-  Chemical Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Civil Engineering
-  Mechanical Engineering
-  Materials Science & Engineering

LINKS



Career



News



CSL Behring

ABOUT

CSL Behring is a global leader in biotherapeutics, dedicated to saving lives through innovative therapies. The company specializes in treating serious and rare diseases, focusing on immunology, hematology, and respiratory conditions. They utilize advanced technologies like plasma fractionation and recombinant protein technology to deliver life-changing treatments to patients worldwide.

EXAMPLE PROJECTS

CSL Behring has developed groundbreaking therapies for conditions such as hereditary angioedema and hemophilia. Their innovations in plasma-derived medicines have significantly improved the quality of life for patients with immune deficiencies.

BUSINESS MODEL

The company operates on a patient-centric model, investing heavily in research and development to address unmet medical needs. By leveraging strategic scientific platforms, CSL Behring continually enhances its product offerings to ensure better health outcomes.

CSL Behring

MAJORS

 Aerospace Engineering

 Chemical Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Cummins Inc.



ABOUT

Cummins Inc. is a global leader in the design, manufacturing, distribution, and servicing of engines, power generation systems, and related technologies. The company operates in several key business segments and has a strong presence in various industries. The company's values include integrity, diversity and inclusion, caring, excellence, and teamwork.



MAJORS

 Aerospace Engineering

 Chemical Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

EXAMPLE PROJECTS

Cummins took the opportunity to celebrate power and progress made on its aspirational diversity goals during the 2023 Cummins Black and Latino Leadership Summit. This harnessed diverse perspectives to innovate better solutions for its customers, create environments for employees to be successful and grow, and better serve its communities.

BUSINESS MODEL

Cummins is a renowned manufacturer of diesel and natural gas engines used in a diverse range of applications, such as heavy-duty trucks, buses, construction equipment, mining machinery, marine vessels, and power generation. Cummins designs and manufactures power generation systems, including generators and associated components. It produces a wide variety of components, such as filtration systems, turbochargers, emissions solutions, fuel systems, and electrical power generation systems. Cummins has service and support to allow for the distributions and sales of products.

LINKS



Career



News



Daimler Truck North America

ABOUT

Daimler Truck North America LLC is an automotive industry manufacturer of commercial vehicles headquartered in Portland, Oregon, and LLC of the German multinational Daimler Truck AG. Daimler Trucks North America (DTNA) continues to strive to make a consistent, significant, positive impact on global trucking by maintaining its commitment to industry-wide leadership through quality and innovation. This dedication defines the core of the company's genetic makeup.

EXAMPLE PROJECTS

Daimler Truck has been investing in electric and alternative fuel technologies to reduce the environmental impact of commercial vehicles. They were working on electric trucks, hybrid vehicles, and exploring hydrogen fuel cell technology for trucks.

BUSINESS MODEL

Daimler Truck offers a diverse range of commercial vehicles tailored to various markets and customer needs. This includes long-haul trucks, vocational trucks, and buses for different applications.

DAIMLER TRUCK

North America

MAJORS



Aerospace Engineering



Computer Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



Danaher

ABOUT

Danaher Corporation is an American globally diversified conglomerate headquartered in Washington, D.C.. The company designs, manufactures, and markets medical, industrial, and commercial products and services. Danaher's innovative companies are developing leading-edge diagnostic tools, advancing life-saving scientific research and protecting our global food and water supplies. Its core values include having exceptional people thrive in its fast-paced, results-oriented culture, listening to customers, good innovation that makes a difference, and delivering the highest possible value to its shareholders.

EXAMPLE PROJECTS

Danaher began using artificial intelligence for better beer. In the brewing industry, ensuring quality and efficiency means better beer. This month, Pall Corporation introduced Beer IoT, a new technology enabling brewers to evaluate meaningful data in real-time and address potential issues before they impact product quality.

BUSINESS MODEL

Danaher's business model is built on acquiring and operating a wide range of companies within its various segments, including Life Sciences, Diagnostics, Environmental & Applied Solutions, and Dental. This diversification helps mitigate risks associated with economic cycles and industry-specific challenges. Danaher places a strong emphasis on operational excellence and continuous improvement through initiatives such as the Danaher Business System (DBS). DBS is a set of tools and methodologies aimed at streamlining processes, reducing waste, and improving productivity across its businesses.



MAJORS

-  Biomedical Engineering
-  Chemical Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News





Dell Technologies

ABOUT

Dell Technologies is an American multinational technology company that provides a wide range of products and services including personal computers, servers, and IT security solutions. Formed through the merger of Dell and EMC Corporation, it focuses on enabling digital transformation for businesses globally.



EXAMPLE PROJECTS

Dell has been instrumental in advancing cloud computing and data storage solutions. Their collaboration with VMware has led to significant innovations in virtualization technology, helping businesses optimize their IT infrastructure.

MAJORS

Computer Science

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Dev10

ABOUT

Dev10 is a technology consulting firm specializing in software development and IT services. They focus on training and placing emerging tech talent into high-demand roles across various industries, ensuring a steady pipeline of skilled professionals.



EXAMPLE PROJECTS

Dev10 partners with companies to deliver custom software solutions. They have successfully implemented projects in healthcare IT, enhancing patient data management systems for improved healthcare delivery.

BUSINESS MODEL

Dev10's business model revolves around talent development and placement. By investing in comprehensive training programs, they equip individuals with the skills necessary to thrive in the tech industry.

MAJORS

-  Computer Engineering
-  Computer Science
-  Electrical Engineering

LINKS



Career



News



Digital Realty

ABOUT

Digital Realty brings companies and data together by delivering the full spectrum of data center, colocation and interconnection solutions. PlatformDIGITAL®, the company's global data center platform, provides customers with a secure data meeting place and a proven Pervasive Datacenter Architecture (PDX®) solution methodology for powering innovation and efficiently managing Data Gravity challenges. Digital Realty gives its customers access to the connected data communities that matter to them with a global data center footprint of 300+ facilities in 50+ metros across 28 countries on six continents.



MAJORS

-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Mechanical Engineering

EXAMPLE PROJECTS

From AI to Big Data our High-Density Colocation solution redefines what is possible for high-performance computing (HPC). Our solution supports power, cooling, security, compliance control requirements, and interconnectivity in a single suite.

BUSINESS MODEL

Digital Realty's business model is centered around providing data center and colocation solutions to a global customer base. They emphasize connectivity, scalability, sustainability, security, and compliance, playing a vital role in the digital infrastructure ecosystem by offering reliable, secure, and efficient data center services.

LINKS



Career



News



DKS Associates

ABOUT

DKS Associates is a leader in transportation planning and engineering. The firm collaborates with communities to design sustainable transportation systems that enhance livability and safety through innovative solutions.



EXAMPLE PROJECTS

DKS has worked on major urban transit projects, implementing smart traffic management systems that reduce congestion and improve commuter experiences in metropolitan areas.

MAJORS

 Computer Science

 Civil Engineering

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



BUSINESS MODEL

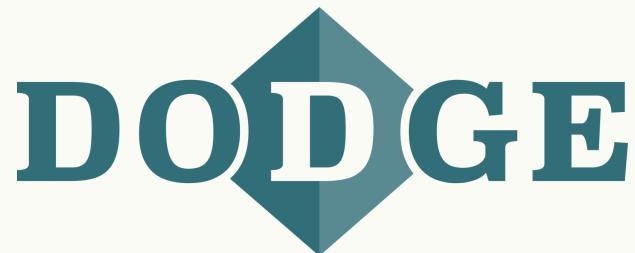
The company focuses on a collaborative approach to transportation planning, leveraging community input and cutting-edge technology to create efficient transit networks.



Dodge Industrial Inc.

ABOUT

Dodge Industrial Inc. specializes in manufacturing industrial components such as bearings, gearing, and power transmission products. They serve various sectors including mining, construction, and agriculture with robust engineering solutions.



EXAMPLE PROJECTS

Dodge Industrial has developed high-performance conveyor systems for mining operations, increasing efficiency and reducing downtime for major industry players.

BUSINESS MODEL

The company operates on a product-driven model, focusing on quality manufacturing and customer service to deliver reliable industrial solutions that meet specific client needs.

MAJORS

Computer Science

Civil Engineering

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



ABOUT

The Dow Chemical Company, officially Dow Inc., is an American multinational corporation headquartered in Midland, Michigan, United States. The company is among the three largest chemical producers in the world. With a presence in about 160 countries, it employs about 37,800 people worldwide. Its purpose is to deliver a sustainable future for the world through our materials science expertise and collaboration with our partners.



EXAMPLE PROJECTS

Dow is shaping the next generation of performance apparel. It has collaborated with Under Armour to design game-changing athletic shoes and worked with Crocs to help them advance sustainability of a well-loved shoe. Dow collaborates to innovate by engineering materials and designing custom solutions.

MAJORS

-  Biomedical Engineering
-  Chemical Engineering
-  Computer Science
-  Civil Engineering
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News

BUSINESS MODEL

Dow's business model encompasses a wide range of products and services in the chemical and materials science sectors. The company operates within the following key segments and business areas, each contributing to its overall business model: Performance Materials & Coatings, Industrial Intermediates & Infrastructure, Packaging & Specialty Plastics, Hydrocarbons & Energy, Performance Silicones, consumer solutions and more.



DPR Construction

ABOUT

DPR Construction is a unique technical builder with a passion for results. Ranked among the top 50 general contractors in the country since 1997, it is a global self-performing commercial contractor and construction manager that has grown with customers by delivering measurably more value. Whether a multi-million-dollar technical facility or a conference room renovation, DPR executes every project with relentless accountability. It prioritizes listening to customer goals.



EXAMPLE PROJECTS

DPR Construction has partnered with Boys & Girls Clubs across the country for more than 15 years, providing facility renovations and repairs, educational programming, and board service. As a partner with BGCNSM since 2017, DPR has completed multiple facility renovations ranging from enhancements to allow clubs to remain open during COVID lockdowns to this major renovation.

BUSINESS MODEL

DPR Construction often uses an IPD approach, which emphasizes collaboration among all project stakeholders, including the owner, architect, and contractor. This method promotes transparency and a shared risk/reward structure to ensure project success. DPR Construction places a strong emphasis on understanding and meeting the unique needs and goals of their clients. They work closely with clients to deliver projects that align with their vision and objectives.

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



Dupont

ABOUT

Dupont commits their technology, leadership, and innovation capabilities on electronics (enabling connectivity, smart technologies, and next-generation semiconductor chips and printed circuit boards), next-generation automotives (transforming mobility by advancing electric vehicles and advanced safety systems), water (addressing water scarcity with solutions for clean water and sustainable use), protection (protecting workers and enabling sustainable buildings), and industrial technologies (specialized materials for demanding environments including healthcare, aerospace, defense, and clean energy).

EXAMPLE PROJECTS

Dupont played a critical role in the James Webb Space telescope. The telescope used two key materials that DuPont invented and manufacturers: Kapton and Kevlar. DuPont also invented the material Nomex, that has also played a crucial role in firefighters protective clothing. Additionally, Dupont's materials are used to make better electric car batteries.

BUSINESS MODEL

DuPont, historically known as a chemical innovator, has continually evolved its business model. It initially focused on diversification across various industries, leveraging its expertise in chemistry. The company's core principles include a commitment to innovation, sustainability, and a global presence. DuPont also values collaboration and partnerships, working with other entities to drive innovation and address complex challenges in the industries it serves.



MAJORS

Aerospace Engineering

Chemical Engineering

Computer Engineering

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Eaton

ABOUT

Founded in 1911, Eaton is dedicated to improving people's lives and the environment with power management technologies that are more reliable, efficient, safe, and sustainable. Eaton is a power management company doing business with more than 175 countries. They help customers solve their power management challenges through electrical, aerospace, hydraulic and vehicle products and services. They are dedicated to more reliable, efficient, safe and sustainable solutions.

EXAMPLE PROJECTS

Eaton has recently delivered an industry-first software platform to help data center operators accelerate their digital transformation journey. Eaton's Brightlayer Data Centers suite provides a single application to manage, monitor and control critical site power management assets. These include uninterruptible power supplies (UPSs), power distribution units (PDUs), switchgear, generators, cooling equipment, battery storage, solar equipment and more.

BUSINESS MODEL

By capitalizing on the global growth trends of electrification and digitalization, Eaton is accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges. Eaton's business model is centered on offering a diverse range of power management products and services to a global customer base. They prioritize innovation, sustainability, and customer-centricity, continually adapting and expanding through strategic acquisitions and a strong distribution network.



MAJORS

-  Aerospace Engineering
-  Computer Science
-  Electrical Engineering
-  Mechanical Engineering

LINKS



Career



News



Ecolab

ABOUT

Ecolab is a global company that specializes in providing water, hygiene, and energy technologies and services. The company's primary focus is on helping businesses in various industries ensure clean, safe, and efficient operations. Ecolab's services and products are designed to address a range of challenges related to water conservation, food safety, infection prevention, and sustainability.



EXAMPLE PROJECTS

Sustainable water and energy management on a manufacturing plant. Ecolab implements a water management system that includes water treatment technologies and recycling solutions. They help the client reduce water waste, lower water treatment costs, and ensure compliance with environmental regulations. Ecolab helps the client monitor and report on their sustainability initiatives.

BUSINESS MODEL

Ecolab's business model is driven by their commitment to helping businesses maintain cleanliness, safety, and sustainability. By providing services and technologies that address environmental concerns, food safety, and resource optimization, they support their clients in reducing operational risks and improving their overall performance. Ecolab serves a diverse range of clients across multiple industries, contributing to improved public health, environmental conservation, and the success of their customers.

MAJORS

-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



Edwards Lifesciences



ABOUT

Edwards Lifesciences is a global leader in patient-focused medical innovations for structural heart disease and critical care monitoring. They focus on improving patient outcomes through advanced medical devices, particularly in heart valve therapies and hemodynamic monitoring.

EXAMPLE PROJECTS

Edwards pioneered transcatheter heart valve replacement technologies, transforming treatment options for patients with severe aortic stenosis. Their innovations have reduced the need for invasive surgery, significantly improving recovery times and patient outcomes.

BUSINESS MODEL

Their business model centers around continuous innovation in medical devices. Edwards invests heavily in research and development to develop cutting-edge technologies that address critical healthcare challenges, ensuring they remain at the forefront of medical advancements.

Edwards

MAJORS

 Biomedical Engineering

 Chemical Engineering

 Computer Engineering

 Electrical Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Eli Lilly

ABOUT

Lilly was founded in 1876 by Colonel Eli Lilly, a man committed to creating high-quality medicines that met real needs in an era of unreliable elixirs peddled by questionable characters. His charge to the generations of employees who have followed was this: "Take what you find here and make it better and better." Lilly has three long-established core values: integrity, excellence, and diversity and inclusion. Integrity is meant for their business to be consistent with all applicable laws and be honest with their customers, employees, and business partners, while excellence represents their pursuit in pharmaceutical innovation.

EXAMPLE PROJECTS

Eli Lilly has announced its acquisition of POINT Biopharma Global, Inc., a radiopharmaceutical company specializing in cancer treatment. This strategic move allows Lilly to expand its oncology portfolio into the field of radioligand therapy, with POINT's promising pipeline of precision cancer treatments and established radiopharmaceutical manufacturing facilities.

BUSINESS MODEL

Eli Lilly supports making medicines more accessible and affordable to patients. Lilly advocates for improvements to the U.S. healthcare system that align with Eli Lilly's core principles of: encouraging and protecting innovation, fairness and transparency in the biopharma industry and all of health care, and cost efficiency at the pharmacy counter for patients who use Eli Lilly medicine.

Lilly

MAJORS

 Biomedical Engineering

 Chemical Engineering

 Computer Engineering

 Electrical Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Exelon Corporation

ABOUT

Exelon Corporation is an American energy company that specializes in generating and distributing electricity and providing natural gas services. Exelon is one of the largest utility holding companies in the United States and serves millions of customers. They are also involved in various initiatives aimed at promoting sustainable and clean energy sources, which aligns with the broader industry trends toward a more environmentally friendly energy sector.



EXAMPLE PROJECTS

Nuclear plant update and modernization. Exelon would invest in safety upgrades, including the installation of advanced safety systems and the incorporation of the latest safety regulations. This could involve improvements in reactor cooling systems, emergency response capabilities, and cybersecurity measures. Exelon would ensure that the plant meets or exceeds environmental regulations.

BUSINESS MODEL

Exelon's business model is designed to provide reliable and sustainable energy solutions to millions of customers across various regions in the United States. The company's diverse energy portfolio, focus on environmental responsibility, and commitment to innovation make them a prominent player in the energy sector. Their activities support the delivery of electricity and natural gas while contributing to efforts for a more sustainable and clean energy future.

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Mechanical Engineering



Nuclear Engineering

LINKS



Career



News





ExxonMobil

ABOUT

Exxon aims to provide the fuels and chemicals that make modern life possible and support human progress. For Exxon, providing the energy our global economy requires while also offering lower-emission solutions shouldn't be an either/or choice. They are determined to play a key role in a thoughtful transition to an energy secure, lower-emissions future for society.

EXAMPLE PROJECTS

Exxon's latest advancements in carbon capture and storage (CCS) and the reduction of hydrogen and emission fuels include official CCS agreements along the U.S. Gulf Coast, the development of a renewable diesel facility at Imperial's Strathcona refinery, and the establishment of the world's largest low-carbon hydrogen plant in Baytown, Texas.

BUSINESS MODEL

Exxon Mobil's business model is centered around the exploration, production, refining, and marketing of petroleum and petrochemical products. They engage in upstream operations by searching for and extracting oil and gas reserves globally. In downstream operations, Exxon refines crude oil into various products and distributes them through an extensive network of retail outlets.

ExxonMobil

MAJORS

 Aerospace Engineering

 Chemical Engineering

 Computer Engineering

 Civil Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



First Energy

ABOUT

FirstEnergy is dedicated to integrity, safety, reliability, and operational excellence. Headquartered in Akron, Ohio, FirstEnergy includes one of the nation's largest investor-owned electric systems, approximately 24,000 miles of transmission lines that connect the Midwest and Mid-Atlantic regions, and a regulated generating fleet with a total capacity of more than 3,500 megawatts. FirstEnergy is expanding its product and service offering to provide customers with even more proven, practical, and affordable solutions for their homes. Their mission is a forward-thinking electric utility centered on integrity, powered by a diverse team of employees committed to making customers' lives brighter, the environment better and our communities stronger.

EXAMPLE PROJECTS

American Transmission Systems, Inc. (ATSI), a subsidiary of FirstEnergy, has begun upgrading 20 miles of a high-voltage power line in Belmont and Harrison counties in Ohio to strengthen the regional transmission system. The third phase of a larger 64-mile project, the rebuilt 138-kilovolt line will enhance service reliability, improve system resiliency, and accommodate increasing customer demand for electricity in the future.

BUSINESS MODEL

FirstEnergy is primarily involved in generating, transmitting, and distributing electricity to residential, commercial, and industrial customers. Their business model centers on ensuring a reliable supply of electricity through grid maintenance, modernization, and environmental initiatives, while also providing customer support and billing services.



MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Mechanical Engineering



Computer Engineering

LINKS



Career



News





Fish & Richardson P.C.

ABOUT

Fish & Richardson P.C. is a prominent law firm specializing in intellectual property (IP) law and litigation. They offer a wide range of legal services related to patents, trademarks, copyrights, and trade secrets. With a diverse clientele spanning technology companies, startups, and individual inventors, the firm provides expertise in IP protection and litigation, making them a significant player in the field of intellectual property law in the United States.

EXAMPLE PROJECTS

An example project for Fish & Richardson P.C. would involve defending a technology company against patent infringement allegations. This project encompasses activities such as case assessment, legal strategy development, document discovery, negotiations, litigation, and trial preparation. The goal is to secure a favorable judgment or settlement for the technology company, clearing them of infringement claims or minimizing potential damages. Fish & Richardson specializes in providing legal expertise and representation in intellectual property-related matters.

BUSINESS MODEL

The firm serves clients in industries like technology, life sciences, and pharmaceuticals, helping them protect and enforce their IP rights. Fish & Richardson also provides strategic advice on portfolio management, licensing, and litigation strategies to maximize the value of clients' intellectual property assets. Its business model emphasizes a combination of specialized legal expertise and industry knowledge to serve global clients in innovation-driven sectors.

FISH. FISH & RICHARDSON

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

LINKS



Career



News



FM Global

ABOUT

FM Global is an American mutual insurance company based in Johnston, Rhode Island, United States, with offices worldwide, that specializes in loss prevention services primarily to large corporations throughout the world in the Highly Protected Risk property insurance market sector. FM Global prioritizes global delivery, timely payouts, and loss prevention. This is why more than one-third of Fortune 500 companies have chosen to partner with FM Global.

EXAMPLE PROJECTS

Commercial property insurer FM Global today revealed the 2023 FM Global Resilience Index, an online, interactive tool that supports strategic decision-making for global businesses. The index ranks countries on 15 measures of economic, risk quality, and supply chain resilience. The FM Global Resilience Index is considered an essential tool for site selection, supply chain design, and market targeting amid critical business risks like climate change, economic volatility, and geopolitical tensions.

BUSINESS MODEL

FM Global's mission is to help businesses prevent and mitigate property and business risks. They work with clients to understand and reduce risks associated with property, equipment, and operations, ultimately aiming to protect their assets and ensure business continuity. A core part of FM Global's services is risk engineering. They have a team of experts who assess the risks at client facilities, providing guidance on how to make properties more resilient to various perils, including fire, natural disasters, equipment breakdowns, and cyber threats.



MAJORS

 Chemical Engineering

 Civil Engineering

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Ford Motor Company

ABOUT

Ford is a family motor company that has been adapting to and leading change for over 120 years. They are evolving to focus on services, experiences and software as well as vehicles. Ford's purpose is to help build a better world, where every person is free to move and pursue their dreams.



EXAMPLE PROJECTS

Ford is delving into the electric vehicle market with a new F-150 Lighting model "F-150 Lighting Flash." A fully-electrified vehicle that values an EV powertrain and advanced tech features paired with a more accessible price point.

BUSINESS MODEL

Ford's core business model revolves around designing, manufacturing, and marketing automobiles, including cars, trucks, and SUVs. They sell their vehicles through a global network of dealerships and directly to consumers, emphasizing innovation and sustainability. Additionally, Ford has been expanding its presence in electric vehicles and autonomous driving technologies to adapt to changing industry trends.

MAJORS

Chemical Engineering

Computer Engineering

Civil Engineering

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Freeport McMoran Inc.

ABOUT

Freeport-McMoRan is a major global mining company known for copper, gold, and molybdenum production. They operate mines in North America, South America, and Indonesia. The company focuses on responsible environmental and social practices while striving to be a low-cost producer.



EXAMPLE PROJECTS

Freeport-McMoRan's Grasberg Mine expansion project in Indonesia is a significant undertaking involving the transition from open-pit to underground mining. This complex project focuses on increasing copper and gold production, addressing environmental concerns, engaging with local communities, and developing essential infrastructure. It showcases the company's commitment to responsible mining in a challenging socio-environmental context.

BUSINESS MODEL

Freeport-McMoRan's business model revolves around exploring, mining, and processing copper, gold, and molybdenum resources. They extract these minerals, refine them, and distribute the products globally. Their profitability is influenced by commodity prices, and they emphasize cost management and responsible mining practices while managing various industry-specific risks.

MAJORS



Civil Engineering



Environmental Engineering



Industrial & Systems Engineering



Chemical Engineering



Mechanical Engineering

LINKS



Career



News



GE Aerospace

ABOUT

GE Aerospace is a world-leading provider of jet and turboprop engines, as well as integrated systems for commercial, military, business and general aviation aircraft. Their main focus ranges from sustainability, revolutionizing the aerospace industry, and commitment to customers and partners.



GE Aerospace

EXAMPLE PROJECTS

Designed, built, and tested with the U.S. Air Force, GE's XA100 is the world's first flight-weight threestream adaptive engine. It will allow U.S. warfighters to go further, go faster, and fight harder against nearpeer adversaries. GE's XA100 allows for greater power projection, better warfighting posture, and superior operational effectiveness of the F-35 fighter fleet.

BUSINESS MODEL

GE Aerospace, through its subsidiary GE Aviation, specializes in the design and manufacturing of aircraft engines for both commercial and military applications. They offer comprehensive maintenance, repair, and overhaul services to ensure the ongoing reliability and performance of their engines. Additionally, GE Aerospace is committed to continuous research and development, focusing on innovative technologies to enhance engine efficiency, reduce emissions, and advance aviation capabilities.

MAJORS

-  Materials Science & Engineering
-  Aerospace Engineering
-  Electrical Engineering
-  Chemical Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News



GE Healthcare

ABOUT

GE Healthcare is a global leader in medical technologies and healthcare solutions. The company specializes in medical imaging, life sciences, diagnostic and clinical systems, healthcare information technologies, and patient care solutions. They aim to enhance patient care, improve healthcare delivery, and promote medical research through a wide range of products and services used in medical settings worldwide.

EXAMPLE PROJECTS

GE Healthcare's "Precision Health Initiative" was a groundbreaking project focused on personalized medicine. It involved the integration of patient data, advanced analytics, genomic sequencing, and predictive models to offer individualized healthcare. The project aimed to improve early disease detection, treatment effectiveness, and patient engagement, exemplifying GE Healthcare's commitment to innovation in healthcare.

BUSINESS MODEL

GE Healthcare's business model is multifaceted and comprehensive. It encompasses the manufacture and sale of medical equipment, healthcare IT solutions, life sciences products, and diagnostic services. The company also provides essential support and services, including maintenance, consulting, and patient care solutions. Their commitment to research and innovation, coupled with a global presence, positions them at the forefront of healthcare technology and services.



GE HealthCare

MAJORS

-  Materials Science & Engineering
-  Biomedical Engineering
-  Computer Engineering
-  Chemical Engineering
-  Computer Science
-  Industrial & Systems Engineering

LINKS



Career



News



GE Vernova

ABOUT

GE Vernova's singular mission: continuing to electrify the world while simultaneously working to help decarbonize it. With a workforce of over 80,000 professionals across 140+ countries, GE Vernova invites individuals who are ready to make a difference and usher in a new era of sustainable energy to join their mission of changing the world through innovative, lowcarbon energy solutions.



GE VEROVA

EXAMPLE PROJECTS

Vernova's H-Class combined cycle power plant is one of the most responsive and flexible in the industry, enabling grid operators to dispatch power quickly, complementing intermittent renewable sources. Its advanced H-Class, heavy-duty gas turbine fleet has accumulated more than two million commercial operating hours across 88 units globally. The HA fleet now has a capacity of 47 gigawatts (GW) of power, capable of powering 35 million American homes

BUSINESS MODEL

GE Vernova operates as a global leader in the energy sector, aiming to address the urgent climate crisis by electrifying the world while actively contributing to decarbonization efforts. Ge Vernova is using its size and scale to drive significant change by scaling renewables like wind power, accelerating coal-to-gas switching, developing net-zero gas power generation with hydrogen and carbon capture technologies, modernizing and digitizing the grid, and advancing nuclear power that produces carbon-free electricity during generation.

MAJORS

 Chemical Engineering

 Computer Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News





Geico

ABOUT

GEICO (Government Employees Insurance Company) is a leading insurance provider in the United States, best known for its auto insurance offerings. Founded in 1936, the company began by serving government employees and military personnel but has since expanded to provide coverage to millions of customers nationwide. GEICO is known for its customer-first approach, leveraging technology and memorable advertising campaigns (like the Gecko mascot) to grow its brand. Headquartered in Chevy Chase, Maryland, GEICO employs over 40,000 people and offers a variety of insurance products, including home, renters, and commercial insurance.



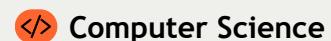
EXAMPLE PROJECTS

GEICO drives innovation with technology-centric projects that enhance business operations and customer service. Recent efforts include developing scalable cloud solutions on Azure to support distributed applications, implementing AI and machine learning models for personalized insurance recommendations, and improving cybersecurity frameworks to protect customer data. Additionally, GEICO has worked on mobile app upgrades, focusing on improving customer self-service tools, such as virtual claim submissions and real-time policy management.

BUSINESS MODEL

GEICO operates on a direct-to-consumer business model, offering insurance products online, through mobile apps, and over the phone—bypassing traditional agents to reduce costs. This approach allows GEICO to provide competitive rates while focusing heavily on customer experience and brand recognition through marketing campaigns. The company leverages technology and data analytics to streamline processes, automate claims, and personalize offerings.

MAJORS



LINKS



Career



News



General Dynamics

ABOUT

General Dynamics is organized into four business groups: Aerospace, Marine Systems, and Combat Systems and Technologies. For more than 65 years, General Dynamics has been known as a global aerospace and defense company that creates a variety of products from business jets and combat vehicles to nuclear-powered submarines and communications systems. Their set of values inform their commitment to good corporate citizenship, sustainable business practices and community support.

EXAMPLE PROJECTS

General Dynamics is a parent company to Gulfstream Aerospace Corp. The all-new Gulfstream G700 and Gulfstream G800 Rolls-Royce Pearl 700 engines have earned Federal Aviation Administration (FAA) certification, bringing the aircraft program another step closer towards entry into service and customer deliveries. The G700 and G800 feature high-speed, aerodynamic Gulfstream wing design as well as an all new winglet designed for the two new aircraft. Along with the Rolls-Royce Pearl 700 engines, these innovations help reduce fuel consumption and emissions.

BUSINESS MODEL

General Dynamics offer information technology services, build nuclear-powered submarines and surface combatants, and develop combat systems and vehicles for military clients globally. Additionally, the company plays a vital role in aerospace, mission systems, cybersecurity, and government services, contributing to national security and technological advancements across various sectors.

GENERAL DYNAMICS

MAJORS



Aerospace Engineering



Chemical Engineering



Computer Engineering



Civil Engineering



Environmental Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



General Motors

ABOUT

Employing over 165, 000 people and serving six continents, General Motors brings their collective passion for engineering, technology, and design to deliver on the future of zero crashes, zero emissions, and zero congestions in vehicles. Their commitments are highlighted as electrification (electrical vehicles), vehicle safety, path to autonomous, and social impact. General Motors behaviors by which they measure themselves include: Be inclusive, Think Customer, Innovate Now, Look Ahead, One Team, Be Bold, It's on Me, and Winning With Integrity.

EXAMPLE PROJECTS

General Motors launched "Hands Free, Eyes On," a consumer education program to encourage consumer confidence in the use of advanced driver assistance systems (ADAS) as part of GM's larger commitment to the safe deployment of these technologies, like Super Cruise 2. To avoid concern and confusion about the benefits of ADAS as they become more widely available, GM intends to give consumers more information so that they are informed, excited and confident in the technology.

BUSINESS MODEL

General Motors (GM) operates as a global automotive manufacturer, producing a diverse range of vehicles and selling them through an extensive dealership network including Chevrolet, GMC, Cadillac, and Buick. They are actively pursuing the development of electric and autonomous vehicles, with a commitment to transitioning to an all-electric future.



MAJORS

 Chemical Engineering

 Computer Engineering

 Civil Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



ABOUT

GHD is a global professional services company focused on engineering, architecture, environmental, and digital consulting. With over 10,000 employees operating across multiple regions, GHD is committed to building sustainable solutions for infrastructure, energy, water, and urban development. Founded in 1928 in Australia, the company emphasizes innovation and collaboration to meet complex global challenges, particularly those related to climate change and sustainability.

EXAMPLE PROJECTS

GHD has executed a variety of high-impact projects across sectors. Examples include the redevelopment of Qasr Al Hosn in Abu Dhabi, environmental restoration of the Bayou d'Inde in Louisiana, and infrastructure improvements along New Zealand's State Highway 1 to mitigate air and noise pollution. They also provide digital services like developing smart city frameworks and using AI to analyze community feedback at scale

BUSINESS MODEL

GHD operates on a client-centric, multi-disciplinary model, providing consulting services across property, transportation, environment, and digital solutions. Their business is driven by a commitment to sustainability, aligning with their mission to make water, energy, and communities sustainable for generations to come. This mission is reflected in their efforts to address global issues such as water scarcity, net-zero energy transitions, and resilient urban development.



MAJORS

-  Chemical Engineering
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

LINKS



Career



News



Gilbane Building Company

ABOUT

One of the largest privately held and family-owned construction and real estate development firms in the industry, Gilbane's entities provide construction and facilities management, real estate development, property management, and consulting services across the globe. We bring our core values, expertise, and client-focused team approach to deliver value and positive outcomes across communities.

EXAMPLE PROJECTS

The joint venture team of Gilbane | Turner, in association with 34 Group and Arc Building Partners was selected by the Buffalo Bills to provide construction management services for their new NFL Stadium at Orchard Park in Western New York. The project includes a new 1.35 million-SF open-air stadium, an 18,750-SF ancillary building, demolition of the current stadium, and related site development. The stadium's capacity will be a minimum of 60,000 seats with an expandable capacity to hold special events.

BUSINESS MODEL

Gilbane Building Company's business model revolves around providing comprehensive construction and project management services to a diverse client base in various industries. They emphasize quality, safety, sustainability, and innovation while actively managing risks and maintaining strong client relationships.

The logo for Gilbane Building Company, featuring the word "Gilbane" in a bold, white, sans-serif font against a red background.

MAJORS

 Civil Engineering Environmental Engineering Industrial & Systems Engineering

LINKS



Career



News



GlobalFoundries

ABOUT

GF is one of the world's leading semiconductor manufacturers. As a steadfast partner, with a unique mix of design, development and fabrication services, GF works collaboratively alongside our customers to bring a broad range of innovative products to market. With a global customer base, a talented and diverse workforce and an at-scale manufacturing footprint spanning three continents, GF is delivering a new era of more.

EXAMPLE PROJECTS

GlobalFoundries announced advancements to its industry-leading 22FDX® (22nm FD-SOI) platform in both IoT and automotive applications. The new features include ultra-low power memory, advanced temperature-resistant capabilities, and optimized energy management. New features on 22FDX+ offer several advancements, including 0.5pA/cell memories and ultra-low retention leakage flops to minimize power in sleep mode; 0.4V standard cells libraries and memories with 30% lower power savings; and an expanded suite of devices that provide greater than 20% noise performance, up to 70% higher Q-factor, and lower switching loss to reduce analog power and area.

BUSINESS MODEL

GlobalFoundries' business model revolves around semiconductor manufacturing and foundry services. They focus on advanced process technology, customization, quality, and innovation to meet the diverse needs of semiconductor design companies across different industries. Their commitment to R&D and environmental responsibility is crucial to maintaining a competitive edge in the semiconductor manufacturing industry.



MAJORS

-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News





Goldman Sachs

ABOUT

Goldman Sachs is a global financial institution that delivers a wide range of financial services to numerous corporations, institutions, governments, and individuals. Goldman Sachs was founded in 1869 in New York City, New York, offering services in investment banking, securities underwriting, prime brokerage, asset management, wealth management, and investment management. Goldman Sachs is also involved in the stock market, trading on behalf of customers as well as for the company itself. Goldman Sachs's goal is to "accelerate economic progress for all".

EXAMPLE PROJECTS

Goldman Sachs currently has numerous engineers working on optimizing their security platform. Their mission is to develop the firm's security strategy and to improve the quality of their platforms. These engineers also implement corrective actions across the firm. One new initiative in particular that these engineers are working on deals with specific cloud services and guardrail controls that expedite development to the cloud.

BUSINESS MODEL

The business model at Goldman Sachs is centered around four primary financial services: Investment Banking, Global Markets, Asset Management, and Consumer and Wealth Management. These financial services are provided to individuals, corporations, and governments all across the world. Using innovative financial instruments and industry knowledge, Goldman Sachs is able to generate profits for itself and its clients.

Goldman Sachs

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

LINKS



Career



News



Google

ABOUT

Google LLC is a global technology leader known for its search engine technology, online advertising services, cloud computing solutions, AI advancements, and more. As part of Alphabet Inc., Google drives innovation across numerous digital platforms, transforming how people access information and interact online.

EXAMPLE PROJECTS

Google's development of AI technologies like Google Assistant revolutionized user interaction with devices. Their work on self-driving cars through Waymo is pioneering the future of autonomous transportation, setting new standards for safety and efficiency.

BUSINESS MODEL

Google's business model focuses on advertising revenue from its search engine while expanding into cloud services, hardware products like Pixel phones, and AI research initiatives. Their commitment to innovation ensures they remain at the forefront of technological advancements.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

LINKS



Career



News



Granite Construction

ABOUT

Granite Construction Inc. is a well-established construction and infrastructure development company based in Watsonville, California. Founded in 1922, Granite Construction has grown into one of the largest diversified construction and infrastructure firms in the United States. Granite Construction Inc. is recognized for its long history of successful construction projects, commitment to safety and sustainability, and its ability to undertake complex infrastructure projects across diverse industries.



MAJORS

-  Civil Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

EXAMPLE PROJECTS

Granite Construction Inc. has been involved with numerous construction and infrastructure projects over the years. An example project they have worked on is the construction of interstate highways. Granite Construction Inc. has worked on numerous interstate highway projects across the United States, including widening, reconstruction, and maintenance of major highways.

BUSINESS MODEL

Granite Construction Inc.'s business model centers around providing construction and infrastructure solutions across a wide range of sectors. As it is a well-established construction company in the United States, Granite Construction's business model is characterized by several key elements, such as diversified construction services, a client-centric approach, infrastructure development, and numerous other services that have positioned them as a reputable and reliable partner in the construction and infrastructure development sector.

LINKS



Career



News



HDR Inc

ABOUT

HDR is a architectural, engineering, and consulting firm headquartered in the United States. They are most well-known for adding beauty and structure to communities through high-performance buildings and smart infrastructure. They create an unshakable foundation for progress because their multidisciplinary teams also include scientists, economists, builders, analysts and artists.



MAJORS

 Chemical Engineering

 Computer Engineering

 Civil Engineering

 Electrical Engineering

 Environmental Engineering

EXAMPLE PROJECTS

The Vine on Mill Plain, a bus rapid transit line in the Vancouver, Washington, area that was designed by an HDR-led team is a \$50 million project that runs approximately 10 miles along Mill Plain Boulevard between historic downtown Vancouver and the growing Columbia Tech Center in East Vancouver.

BUSINESS MODEL

HDR, Inc. operates with a business model focused on providing a wide range of architectural, engineering, and consulting services to clients in various industries, with an emphasis on delivering sustainable, innovative, and client-centric solutions. Their core principles include delivering quality services, providing sustainable and innovative solutions, and embracing collaboration to address complex challenges.

LINKS



Career



News



Henkel

ABOUT

Henkel AG & Co. is a multinational chemical and consumer goods company headquartered in Düsseldorf, Germany. Founded in 1876, Henkel has a rich history and has grown into a global leader in various industries. Henkel's commitment to innovation, sustainability, and customer satisfaction has made it a prominent player in the chemical and consumer goods industries.

EXAMPLE PROJECTS

Henkel is involved in numerous engineering projects across various industries. One such project is adhesive and sealant development. Henkel is a leading producer of adhesives and sealants used in various industries, including automotive, aerospace, construction, and electronics. Engineering teams may work on developing and improving adhesive formulations to meet specific customer requirements, such as strength, durability, and environmental regulations.

BUSINESS MODEL

Henkel operates in three main business sectors: Adhesive Technologies, Beauty Care, Laundry and Home Care. In addition to these core business sectors, Henkel also places a significant emphasis on sustainability and corporate social responsibility (CSR). The company is committed to promoting sustainability throughout its entire value chain, from product development and manufacturing to distribution and recycling.



MAJORS

-  Chemical Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



Hensel Phelps

ABOUT

Hensel Phelps is a distinguished construction and construction management company in the United States. They specialize in a diverse range of projects, including commercial, institutional, and government buildings, with a strong focus on safety and sustainability. The company is known for its expertise in design-build and integrated project delivery, employing modern construction technologies and fostering community engagement.



HENSEL PHELPS
Plan. Build. Manage

EXAMPLE PROJECTS

Hensel Phelps' involvement in the renovation of San Francisco International Airport's Terminal 2 (T2) exemplifies their expertise in design-build projects and sustainable construction. The project transformed T2 into a LEED Gold-certified, passenger-friendly facility with modern amenities, a focus on sustainability, and a commitment to showcasing the region's art and culture.

BUSINESS MODEL

Hensel Phelps operates with a business model focused on providing excellence in construction and project management. Their specialties include general contracting and construction management, with an emphasis on design-build and integrated project delivery. The company boasts a diverse project portfolio, prioritizes sustainability and innovation, maintains a strong safety culture, engages with local communities, and has a national and international presence.

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



ABOUT

Huntington Ingalls Industries (HII) is a major American shipbuilding company that primarily focuses on the design, construction, maintenance, and overhaul of ships and naval vessels for the United States Navy and other U.S. government agencies. Their work in shipbuilding, maintenance, and modernization contributes to national defense and maritime security, and their expertise in nuclear-powered vessels is particularly significant.



MAJORS

Aerospace Engineering

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

Computer Engineering

Computer Science

EXAMPLE PROJECTS

USS Gerald R. Ford (CVN 78) Construction. lead ship of the Ford-class of aircraft carriers. The Ford-class is intended to replace the Nimitz-class carriers and represent the next generation of U.S. aircraft carriers. The Ford-class carriers incorporate numerous advanced technologies, such as the Electromagnetic Aircraft Launch System (EMALS) for launching aircraft, the Advanced Arresting Gear (AAG) for landing aircraft, and increased automation and efficiency in ship operations.

BUSINESS MODEL

HII's business model is centered on providing the U.S. government, particularly the Department of Defense, with a wide range of maritime and defense-related solutions. They play a crucial role in maintaining and advancing the capabilities of the U.S. Navy and other government agencies through the construction and maintenance of naval vessels. HII's focus on nuclear-powered vessels, technology innovation, and environmental responsibility underscores their commitment to delivering safe, efficient, and sustainable maritime solutions.

LINKS



Career



News



Honda



ABOUT

Honda Motor Co., founded in 1946, is a global leader in the manufacturing of automobiles, motorcycles, and power equipment. Known for its commitment to quality, technological innovation, and environmental responsibility, Honda has grown into a multinational corporation with operations in over 150 countries. The company's product range includes vehicles, motorcycles, power tools, and even aircraft through the HondaJet initiative. Its philosophy is grounded in creating products that enhance mobility and improve customers' lives worldwide.

EXAMPLE PROJECTS

Honda's projects showcase its commitment to innovation and sustainability. It introduced the Honda Insight, an early hybrid, developed ASIMO, a robot for assisting people with disabilities, and launched HondaJet to improve private jet efficiency. Honda's eco-friendly efforts also include electric and hydrogen fuel-cell vehicles like the Honda Clarity.



HONDA

MAJORS

Aerospace Engineering

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

Computer Engineering

Computer Science

BUSINESS MODEL

Honda's diversified business model covers automobiles, motorcycles, and power products, focusing on global customer satisfaction through high-quality, affordable products. The company invests in R&D to stay competitive and promotes sustainability and safety in mobility. Honda's "Three Joys"—buying, selling, and creating—highlight its commitment to positive experiences for employees, customers, and partners.

LINKS



Career



News



Hormel Foods Corp.

ABOUT

Hormel Foods Corporation is a global leader in the food industry, renowned for producing high-quality brands like Spam, Skippy, and Jennie-O, committed to nourishing the world.



EXAMPLE PROJECTS

Hormel is known for its innovative food processing techniques, such as the development of new meat products and sustainable packaging solutions.

BUSINESS MODEL

Hormel's business model revolves around producing and marketing a wide range of food products, catering to diverse consumer needs while promoting sustainability and quality.

MAJORS

- Chemical Engineering
- Environmental Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



HP

ABOUT

Hewlett-Packard (HP) is a multinational information technology company headquartered in Palo Alto, California, USA. Founded in 1939 by Bill Hewlett and Dave Packard, HP has a rich history and a prominent presence in the technology industry. HP's long history, commitment to innovation, and global reach have solidified its position as a well-respected and influential technology company. They continue to evolve and adapt to the ever-changing technology landscape while maintaining a focus on quality, sustainability, and customer satisfaction.

EXAMPLE PROJECTS

HP is involved in engineering projects spanning various industries, one such project being printer technology advancements. HP is a leading manufacturer of printers and imaging solutions. Engineering teams may work on projects related to improving printer performance, developing innovative print technologies, and enhancing printing quality.

BUSINESS MODEL

HP operates in various sectors of the technology industry, including personal computing, printing, 3D printing, and technology services. HP's diversified business model, coupled with its focus on innovation, sustainability, and customer-centric approach, has allowed the company to maintain a strong global presence and a reputation as a leading technology provider in various segments of the industry. HP continually adapts to market trends and customer demands, driving its success in the competitive technology market.



MAJORS

- Chemical Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



ABOUT

International Business Machines Corporation (IBM) is a globally recognized multinational technology and consulting company headquartered in Armonk, New York, USA. Founded in 1911, IBM has a storied history as a pioneer in the information technology industry. IBM's legacy in the technology industry, commitment to innovation, and reputation for providing cutting-edge solutions have made it a trusted partner for businesses and organizations worldwide. The company continues to adapt to the evolving technology landscape while maintaining its focus on quality, ethics, and customer satisfaction.

EXAMPLE PROJECTS

IBM is involved in a wide range of engineering projects, one such project being quantum computing. IBM is a leader in quantum computing research and development. Engineering teams may work on quantum hardware and software projects aimed at solving complex computational problems and advancing quantum computing technologies.

BUSINESS MODEL

IBM operates in various sectors of the technology and services industry, offering a wide range of products and solutions. IBM's diversified business model, coupled with its focus on innovation, has allowed the company to maintain a strong global presence and a reputation as a leading technology provider. IBM continually adapts to market trends and customer demands, driving its success in the competitive technology and services industry.



Ingersoll Rand

ABOUT

Ingersoll Rand is a global industrial manufacturing and engineering company that provides a wide range of mission-critical solutions for various industries. Headquartered in Davidson, North Carolina, USA, Ingersoll Rand has a history dating back to the late 19th century and is recognized for its expertise in industrial technologies. Ingersoll Rand's diverse portfolio of industrial technologies and solutions, combined with its commitment to innovation and sustainability, has established the company as a trusted partner for businesses and organizations in a wide range of industries.

EXAMPLE PROJECTS

Ingersoll Rand is a global engineering and industrial manufacturing company, and is involved in numerous engineering projects across various industries. One example of a project Ingersoll Rand is involved in concerns HVAC systems (Heating, Ventilation, and Air Conditioning). Ingersoll Rand provides HVAC systems and solutions for residential commercial and industrial applications. Engineering Projects may involve designing energy- efficient HVAC systems, optimizing refrigeration systems, and developing smart HVAC controls.

BUSINESS MODEL

Ingersoll Rand operates in several sectors, including climate solutions, industrial technologies, and specialty vehicle technologies. Ingersoll Rand's diversified business model reflects its commitment to addressing various industrial and commercial needs. The company emphasizes innovation, energy efficiency, sustainability, and customer satisfaction across its core areas, enabling it to serve a global customer base and maintain a strong presence in the industrial and manufacturing sectors.



MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

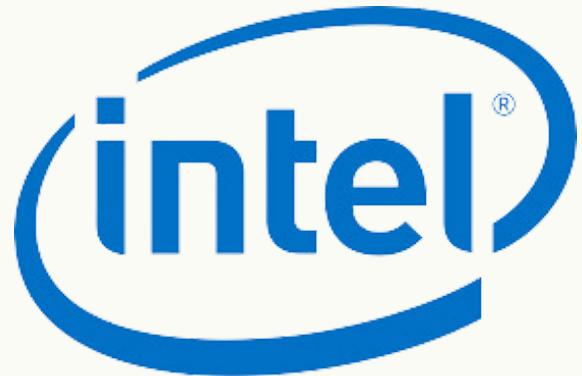
LINKS



Intel

ABOUT

Intel Corporation is one of the world's largest and most influential technology companies. Founded in 1968, Intel has its headquarters in Santa Clara, California. The company is known primarily for its role in the semiconductor industry and the production of microprocessors, but its scope extends far beyond that. Intel has heavy influence in data center solutions, the Internet of Things (IoT), graphics processing units (GPUs), and many other aspects of technology.



EXAMPLE PROJECTS

Intel has been involved in various engineering and research initiatives, particularly in the fields of semiconductor technology, computer hardware, and software development. For example, Intel has continuously worked on advancing semiconductor manufacturing processes to produce smaller, more efficient, and powerful microprocessors. Projects often involve research into new materials, process nodes, and transistor designs.

BUSINESS MODEL

Intel's business model is built around its core mission of delivering innovative technologies and products that power the data-centric world. As one of the world's leading semiconductor manufacturers and technology companies, Intel's business model is multifaceted and encompasses various key components, such as semiconductor manufacturing, microprocessor technology, memory and storage solutions, and many other areas of technological innovation.

MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News





Jacobs



ABOUT

Jacobs Engineering Group, commonly known as Jacobs, is a global engineering, design, and consulting company which provides a wide range of services to various industries. These industries include but are not limited to infrastructure, aerospace, defense, environmental, and energy. Founded in 1947 and headquartered in Dallas, Texas, Jacobs has grown into one of the world's largest and most diversified engineering and construction firms.

EXAMPLE PROJECTS

Jacobs is involved in numerous projects spanning a multitude of industries. One example of a project they are working on concerns infrastructure and transportation. Jacobs is involved in the design and construction of transportation infrastructure, including highways, bridges, tunnels, and transit systems. The projects they work on are aimed at improving transportation networks and reducing congestion.

BUSINESS MODEL

Jacobs's business model combines engineering, design, consulting, and project management services across various industries and sectors. It is centered around providing comprehensive solutions to their clients' complex challenges. Their business model has a global presence, providing end-to-end solutions to their clients anywhere around the world.

Jacobs

MAJORS

-  Aerospace Engineering
-  Biomedical Engineering
-  Chemical Engineering
-  Computer Engineering
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Mechanical Engineering

LINKS



Career



News



Jensen Hughes

ABOUT

Jensen Hughes is a global leader in safety, security, and risk-based consulting services, dedicated to protecting people, property, and the environment. Originally focused on fire protection engineering, the company has expanded its expertise to include life safety, security risk management, and operational risk assessment across diverse sectors. With a multidisciplinary team that blends technical proficiency with deep industry knowledge, Jensen Hughes delivers innovative and practical solutions tailored to the unique challenges faced by its clients.

EXAMPLE PROJECTS

Jensen Hughes has successfully completed several high-profile projects. Notable examples include providing fire protection and life safety consulting for the World Trade Center Memorial, playing a pivotal role in the modernization of Los Angeles International Airport (LAX), and ensuring compliance with health and safety regulations in the design of the University of California, San Diego's new medical center. Additionally, the firm has contributed to the Resilient Buildings Initiative, developing guidelines to enhance the resilience of buildings against natural disasters and climate change impacts.

BUSINESS MODEL

Jensen Hughes operates with a client-focused approach, delivering customized consulting services in sectors like commercial, healthcare, education, and government. Using advanced technologies, they provide top-tier safety and risk management solutions, aiming to be the global leader in safety, security, and risk consulting, protecting people, property, and the environment with innovative solutions and expertise.



JENSEN HUGHES

MAJORS



Civil Engineering



Chemical Engineering



Computer Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



ABOUT

JLL is a global professional services firm specializing in real estate and investment management. The company helps clients navigate the complex world of real estate, offering a range of services from property and facilities management to brokerage and valuation. JLL's mission is to shape the future of real estate for a better world by creating sustainable, scalable spaces for businesses, investors, and communities spanning numerous industries.

EXAMPLE PROJECTS

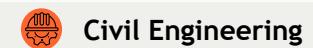
JLL has been involved in numerous high-profile real estate developments around the world. A notable example is their support in the construction management and leasing of The Shard in London, the tallest building in the United Kingdom. This project showcases their expertise in overseeing complex urban developments. Additionally, JLL has collaborated with various tech companies to optimize office spaces for functionality and sustainability, demonstrating their commitment to creating modern, energy-efficient work environments that enhance productivity.

BUSINESS MODEL

JLL operates through a client-centered business model, focusing on real estate services that include investment management, property management, and leasing. Their global presence allows them to deliver tailored solutions to businesses, governments, and investors while emphasizing sustainability, innovation, and operational efficiency.



MAJORS



LINKS



Career



News



John Deere



ABOUT

John Deere is a corporation that manufactures agricultural machinery, heavy equipment, forestry machinery, diesel engines, drivetrains, and lawn care equipment. The company also provides financial services and other related activities. John Deere was founded in 1837 as a shop providing general repairs as well as the manufacturing of numerous tools. John Deere With nearly 200 years of manufacturing experience, John Deere is widely used in numerous industries around the world.



JOHN DEERE

MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

EXAMPLE PROJECTS

John Deere has been a leader in precision agriculture for many years. They have incorporated advanced technologies such as GPS, sensors, and data analytics into their equipment to optimize farming operations. Engineers at John Deere are continuing to work on improving precision agriculture solutions to enhance crop yields and to reduce any negative impacts on the environment.

BUSINESS MODEL

John Deere's business model is centered around its core mission: to provide advanced products and services to farmers, landowners, and construction professionals to enhance productivity, sustainability, and quality of life. Primarily, John Deere is a manufacturing company, with it designing, manufacturing, and selling a wide range of agricultural machinery, construction equipment, and related products. John Deere is also a pioneer in the development of agricultural machinery, focusing on innovating technology solutions that help farmers as well as individuals optimize their operations.

LINKS



Career



News



Johnson & Johnson

ABOUT

At Johnson & Johnson, we believe good health is the foundation of vibrant lives, thriving communities and forward progress. As the world's largest and most diversified healthcare products company, we are committed to using our reach and size for good. We strive to improve access and affordability, create healthier communities, and put a healthy mind, body and environment within reach of everyone, everywhere. Every day, our employees across the world are blending heart, science and ingenuity to profoundly change the trajectory of health for humanity.

EXAMPLE PROJECTS

Johnson & Johnson have created many medical devices to improve surgical procedures. To make orthopedic surgery preparation more efficient, Johnson & Johnson created the Advanced Case Management (ACM) platform, which utilizes a mix of image-based and artificial intelligence algorithms to predict the most likely product range required for surgeons to do primary joint-replacement surgeries.

BUSINESS MODEL

Johnson & Johnson works towards innovating new pharmaceuticals, medical devices, and over the counter products to improve customers' health and well-being.

Johnson & Johnson

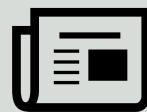
MAJORS

-  Biomedical Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



ABOUT

KBR is a global engineering, procurement, and construction company that provides professional services and solutions in sectors such as government services, technology, and energy. With a focus on sustainability and innovation, it operates across various industries including defense, aerospace, energy, and chemical processing. KBR is known for delivering complex infrastructure projects, technical services, and large-scale operations support to governments and commercial clients worldwide from their headquarters in Houston.

EXAMPLE PROJECTS

KBR has been involved in several high-profile projects across various industries. In the energy sector, KBR contributed to the development of large-scale liquefied natural gas (LNG) facilities like the Gorgon LNG Project in Australia. They also played a key role in NASA's space exploration efforts by providing engineering and technical support for the International Space Station and other space missions.



MAJORS

- Aerospace Engineering
- Chemical Engineering
- Computer Engineering
- Computer Science
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

BUSINESS MODEL

KBR's business model centers on providing comprehensive services in engineering, procurement, and construction (EPC), along with government solutions and technology consulting. They deliver large-scale infrastructure projects and technical services, especially in energy, chemicals, defense, and aerospace. A key aspect of their model is offering innovative and sustainable solutions, supported by proprietary technologies, to both government and commercial clients globally.

LINKS



Career



News



Keysight Technologies

ABOUT

Keysight Technologies is a leading provider of electronic design and test solutions. The company offers a wide array of products and services focused on accelerating innovation in areas such as wireless communications, aerospace, defense, automotive, energy, and electronics through test and design. Their mission is to enable their customers to bring breakthrough electronic products to market faster and more affordably.

EXAMPLE PROJECTS

Keysight has played a significant role in advancing 5G wireless technology. They partnered with major telecom companies to test and validate 5G systems, helping to bring faster, more reliable communication networks to the public. Another notable project is their work with the automotive industry, where Keysight provided solutions for testing autonomous vehicle systems, enhancing the safety and efficiency of next-generation vehicles.

BUSINESS MODEL

Keysight's business model is based on providing highly specialized testing equipment and services to companies in fast-evolving industries. Their focus on innovation and close collaboration with industry leaders allows them to create tailored solutions that meet the specific needs of their clients, particularly in cutting-edge technologies like 5G, autonomous driving, and IoT.



MAJORS

- Computer Engineering
- Computer Science
- Electrical Engineering

LINKS



Career



News





KIA America Inc.



ABOUT

KIA America Inc. is the American arm of the South Korean automotive company Kia Corporation, known for manufacturing affordable, high-quality vehicles. Kia aims to create cars that inspire innovation and embody their slogan, "Movement that Inspires." They are also focused on sustainability and electric vehicle (EV) development, striving to reduce their environmental impact while enhancing customer driving experiences.



EXAMPLE PROJECTS

Kia has recently launched several electric and hybrid vehicle models as part of its Plan S strategy, which aims to expand the company's lineup of sustainable mobility solutions by 2025. One notable project is the Kia EV6, a fully electric crossover SUV that has garnered praise for its long-range capabilities and sleek design. Additionally, Kia has been working on partnerships with ride-hailing services to introduce more EVs into the shared mobility space.

BUSINESS MODEL

Kia's business model revolves around producing affordable, reliable vehicles that incorporate innovative technologies. Their focus on sustainability, particularly with their expanding electric vehicle lineup, reflects a commitment to future mobility solutions. Kia combines value, performance, and eco-friendly engineering to meet the evolving demands of consumers worldwide.

MAJORS

 Computer Engineering

 Computer Science

 Civil Engineering

 Electrical Engineering

 Mechanical Engineering

LINKS



Career



News



Kiewit

ABOUT

Kiewit is one of North America's largest construction and engineering firms. They specialize in complex projects across various sectors, including infrastructure, energy, industrial, mining, and building construction. Kiewit's employee-owned structure empowers its workforce, ensuring a strong commitment to quality, safety, environmental stewardship, and innovation.



Kiewit

EXAMPLE PROJECTS

Kiewit has been involved in several high-profile projects, including the construction of the I-15 South Segment of the Las Vegas Freeway, which significantly improved traffic flow and safety in a high-congestion area. Another noteworthy project is their work on the Keystone Pipeline, where they were responsible for constructing major segments of the pipeline system that transports crude oil from Canada to the United States.

BUSINESS MODEL

Kiewit operates an employee-owned business model, which emphasizes a hands-on approach to project management and decision-making. They offer engineering, procurement, and construction services, with a focus on high-quality project delivery, strong safety records, and sustainable building practices across a wide range of industries.

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Mechanical Engineering

LINKS



Career



News



Kimley Horn

ABOUT

Kimley-Horn is a leading design and consulting firm, providing expertise in land development, transportation, and urban planning to create sustainable and vibrant communities.



EXAMPLE PROJECTS

Kimley-Horn has worked on projects like urban revitalization initiatives, traffic management solutions, and sustainable urban planning projects.

BUSINESS MODEL

Kimley-Horn's business model centers on offering integrated design and consulting services, fostering sustainable development and infrastructure solutions.

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



ABOUT

KLA Corporation, often referred to as KLA, is a leading global provider of process control and yield management solutions for the semiconductor and related microelectronics industries. Founded in 1975 and headquartered in Milpitas, California, KLA has a long history of innovation and plays a crucial role in the semiconductor manufacturing ecosystem. KLA is a global technology leader. It makes an impact by creating solutions that drive progress and transform industries. Collaboration is the key to its success.



EXAMPLE PROJECTS

KLA's wafer manufacturing portfolio includes defect inspection and review, metrology and data management systems that help manufacturers manage quality throughout the wafer fabrication process. Specialized wafer inspection and review tools assess wafer surface quality and detect, count and bin defects during production and as a critical part of outgoing wafer qualification.

BUSINESS MODEL

KLA designs, manufactures, and supplies advanced Mechanical Engineering process control equipment and systems used in semiconductor manufacturing. These tools include inspection, measurement, metrology, and defect detection systems. In addition to hardware, KLA offers software solutions that complement their equipment. This includes software for data collection, analysis, process optimization, and control. KLA heavily invests in research and development to continually innovate and develop cutting-edge technologies.

MAJORS

- Computer Engineering
- Computer Science
- Chemical Engineering
- Electrical Engineering
- Industrial & Systems Engineering
- Mechanical Engineering

LINKS



Career



News





Kruger Products

ABOUT

Kruger Products is a Canadian company that produces a range of paper-based products, including tissue, towels, and other hygiene solutions for both consumer and industrial markets. Known for its popular brands like Scotties® and Cashmere®, Kruger Products is a market leader in the tissue products sector in Canada.



Kruger
Products

EXAMPLE PROJECTS

Kruger Products has made significant advancements in sustainability through its ten-year Reimagine 2030 initiative, which focuses on reducing environmental impact through sustainable production processes. They have invested in creating a new tissue plant in Quebec that will be powered by renewable energy, setting an example for greener manufacturing practices in the paper industry.

BUSINESS MODEL

Kruger Products operates a consumer-centric business model focused on providing high-quality, sustainable tissue and hygiene products. The company's approach involves continuous innovation in product development and manufacturing, emphasizing environmental responsibility and operational efficiency.

MAJORS

Chemical Engineering

Environmental Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



L3Harris Tech



ABOUT

L3Harris Technologies, Inc. is an American technology company that specializes in providing a wide range of solutions and services in the areas of communications, space, and defense. The company's products and technologies are designed to meet the needs of various customers, including government agencies, military organizations, and commercial entities.



L3HARRIS™

EXAMPLE PROJECTS

L3Harris works on the design of a comprehensive communication system that includes radio networks, satellite communication, and data link systems. The goal is to create a system that enables seamless communication between different military units and across various platforms. The project focuses on userfriendly interfaces and intuitive controls, enabling military personnel to operate the system efficiently in the field.

BUSINESS MODEL

L3Harris Technologies' business model centers on leveraging advanced technology to address the complex needs of government and commercial clients, particularly in the areas of defense, communication, space, and cybersecurity. Their work plays a vital role in enhancing national security, public safety, and the capabilities of their customers across various industries and sectors.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Lam Research



ABOUT

At Lam, we believe you can't identify an innovator through innovation alone—it's through collaboration, precision, and delivery. As a fundamental enabler of the fourth industrial revolution and trusted partner to the world's leading semiconductor companies, we welcome challenges and promise to deliver.



EXAMPLE PROJECTS

Lam Research's advanced wet clean products deliver exceptionally low on-wafer defectivity at high throughput for progressively demanding applications.

BUSINESS MODEL

Lam Research's business model revolves around innovation, technology leadership, customer collaboration, and global operations in the field of semiconductor equipment manufacturing. They aim to help semiconductor manufacturers produce advanced chips efficiently and reliably, enabling technological advancements in various industries.

MAJORS

-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



Lawrence Livermore

ABOUT

Lawrence Livermore National Laboratory is a research and development institution focused on national security, science, and innovation.



EXAMPLE PROJECTS

Conducts research on nuclear weapons, advanced materials, and supercomputing, contributing to national security and scientific advancements.

BUSINESS MODEL

LLNL's business model is rooted in scientific research, development, and innovation, often in collaboration with government agencies, for the advancement of national interests.

MAJORS

- Electrical Engineering
- Environmental Engineering
- Chemical Engineering
- Materials Science & Engineering
- Nuclear Engineering

LINKS



Career



News



Leidos



ABOUT

Our key lines of business — civil, defense, health, and intelligence — are rife with opportunity. With the Leidos Innovations Center (LInC) as the technologydriven core of our business we continue our tradition of solving the toughest scientific and engineering problems for customers. An expanded workforce and capabilities portfolio enables us to compete internationally and provide increased efficiency and affordability to customers. As we grow, we'll maintain our agile and creative reputation.



MAJORS

-  Aerospace Engineering
-  Computer Engineering
-  Computer Science
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

EXAMPLE PROJECTS

Leidos' CR-Portal radiation detection solutions monitor vehicles carrying cargo without impacting the stream of commerce.

BUSINESS MODEL

Leidos' business model is centered on using its technical expertise and capabilities to support government agencies and commercial organizations in areas that are vital to national security, public health, and critical infrastructure. They focus on innovation, efficiency, and adaptability to address evolving challenges and meet the needs of their clients.

LINKS



Career



News



Lenovo

ABOUT

Lenovo's story has always been about shaping computing intelligence to create a better world. With the world's widest portfolio of technology products, we deliver our vision of Smarter Technology for All through products, solutions, software, and services that individuals, communities, businesses, and entire populations need to fulfill their potential.

EXAMPLE PROJECTS

Partnering with Formula 1, Lenovo has created a new trophy. After a special spot on the trophy is kissed, it will come alive in the colours of the winning driver's national flag. Using the latest touch-sensitive microswitch technology, the trophy illuminates from its core and creates a one-of-a-kind spectacle. This debuted in September at the Formula 1 Lenovo Japanese Grand Prix 2023.

BUSINESS MODEL

Focused on a bold vision to deliver smarter technology for all, Lenovo has built on its success as the world's largest PC company by further expanding into growth areas that fuel the advancement of 'New IT' technologies (client, edge, cloud, network, and intelligence) including server, storage, mobile, software, solutions, and services.

Lenovo

MAJORS

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News

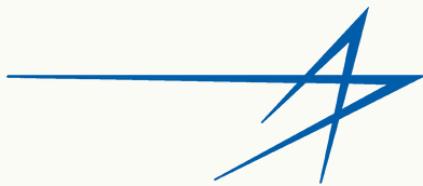


Lockheed Martin



ABOUT

Lockheed Martin is a leading aerospace and defense company known for developing advanced technologies, including the F-35 fighter jet, missile defense systems, and space exploration technologies. Headquartered in Maryland, it focuses on innovation and partners with government and commercial entities to enhance national security and global defense.



LOCKHEED MARTIN

EXAMPLE PROJECTS

The AN/APY-9 radar is an integral part of the Advanced Hawkeye program for the United States Navy's Surveillance and Theatre Air and Missile Defense (TAMD) missions. The APY-9 provides the enhanced airborne command and control and expanded surveillance for the Navy's E-2D aircraft. The radar is an all-weather, airborne early warning radar designed to detect small, highly maneuverable targets in the dense littoral and overland environments.

BUSINESS MODEL

As a global security, innovation, and aerospace company, the majority of Lockheed Martin's business is with the U.S. Department of Defense and U.S. federal government agencies. In addition, Sikorsky (a Lockheed Martin Company) provides military and rotary-wing aircraft to all five branches of the U.S. armed forces along with military services and commercial operators in 40 nations. The remaining portion of Lockheed Martin's business is comprised of international government and commercial sales of products, services and platforms.

MAJORS

-  Aerospace Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



L'Oréal Groupe



ABOUT

L'Oréal Group is a global beauty and cosmetics company known for its wide range of beauty products and brands. The company is involved in various aspects of the beauty industry and offers a diverse portfolio of products and services. L'Oréal Group's mission is to offer consumers high-quality and innovative beauty products that cater to a wide range of preferences and needs.

EXAMPLE PROJECTS

L'Oréal aims to reduce the environmental impact of its products by developing sustainable and eco-friendly packaging solutions. The company invests in research and development to create packaging that minimizes waste, uses recycled materials, and is biodegradable or recyclable. The company collaborates with its suppliers to ensure the sourcing and manufacturing of sustainable packaging materials, further reducing the environmental footprint.

BUSINESS MODEL

L'Oréal Group's business model is designed to create and deliver high-quality beauty and cosmetic products that cater to a wide range of consumer preferences and price points. Their emphasis on research and innovation, marketing, and global distribution has made them one of the world's leading companies in the beauty industry. Their portfolio of brands covers nearly every aspect of personal care, making them a significant player in the beauty and cosmetics sector.

L'ORÉAL

MAJORS

Chemical Engineering

Computer Engineering

Computer Science

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Lutron

ABOUT

Lutron is a technology company specializing in smart lighting and shading solutions, dedicated to enhancing comfort, energy efficiency, and convenience in homes and commercial spaces.



EXAMPLE PROJECTS

Lutron has developed cutting-edge lighting control systems that enable users to adjust lighting conditions for comfort and energy savings.

BUSINESS MODEL

Lutron's business model focuses on designing and manufacturing innovative lighting and shading solutions for residential and commercial customers, emphasizing energy efficiency and user experience.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Marathon Petroleum

ABOUT

Marathon Petroleum is one of the largest petroleum refining, marketing, and transportation companies in the United States. The company provides fuel and petrochemical products to energy markets and consumers, with a focus on delivering safe, reliable, and affordable energy. They operate the largest refining system in the U.S., and their subsidiary, MPLX LP, handles midstream infrastructure such as pipelines and terminals.



EXAMPLE PROJECTS

Marathon Petroleum has made significant advancements in renewable fuels. In 2021, plans were approved to convert their Martinez refinery in California into a renewable diesel facility, which is expected to produce cleaner fuel by processing renewable feedstocks such as soybean oil and corn oil. Additionally, they have expanded their logistics and storage capabilities through the acquisition and development of various pipeline systems to enhance fuel transportation across the country.

BUSINESS MODEL

Marathon Petroleum's business model revolves around its vertically integrated operations in the energy sector, including refining, transportation, and marketing. Their strategy includes maintaining strong operational efficiencies, investing in renewable energy technologies, and capitalizing on their vast infrastructure network to provide reliable fuel and energy products.

MAJORS

- Chemical Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Mechanical Engineering

LINKS



Career



News



Marvell



ABOUT

Marvell Technology, Inc. is a leader in semiconductor solutions, providing data infrastructure products that power everything from 5G networks to automotive, industrial, and cloud applications. Marvell is known for its cutting-edge technologies in processing, networking, storage, and security, aiming to transform the way data moves around the world.



EXAMPLE PROJECTS

Marvell has played a crucial role in enabling 5G technology. They collaborated with key telecom providers to develop custom silicon chips for 5G base stations, contributing to the rapid deployment of next-generation wireless infrastructure. Additionally, Marvell is advancing automotive technology by creating high-performance networking solutions for autonomous driving systems, ensuring seamless communication between critical vehicle systems.

MAJORS

- Computer Engineering
- Computer Science
- Electrical Engineering

BUSINESS MODEL

Marvell operates on a fabless semiconductor model, focusing on designing and selling integrated circuits while outsourcing manufacturing. Their business strategy is centered around innovation in data infrastructure and fostering deep partnerships with industry leaders to deliver customized solutions across multiple sectors, from telecommunications to automotive.

LINKS



Career



News



Medtronic

ABOUT

From AI to connected care and beyond, our technology is building a bridge to better health for more people. As a global leader in healthcare technology, we reimagine the treatment of more than 70 complex and challenging conditions, bringing healthcare solutions to more people in more places. With 95,000-plus people in over 150 countries, we see extraordinary possibilities to further increase our positive impact in the world. We are committed to accelerating access to healthcare technology, advancing inclusion, diversity & equity, and protecting our planet.

EXAMPLE PROJECTS

Medtronic works on creating medical tools such as catheters, cardiac monitors, insulin pump systems, and more. They have submitted the MiniMed™ 780G and Guardian™ 4 Sensor to the FDA. This submission is the next step toward their goal to reduce fingersticks and bring an advanced algorithm with auto-correction bolus.

BUSINESS MODEL

Medtronic is a global company that develops medical devices for patients, professionals, and hospitals, with an emphasis on the accessibility of their products.



Medtronic

MAJORS

 Biomedical Engineering

 Chemical Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



ABOUT

Merck is one of the largest and oldest pharmaceutical companies in the world and is involved in various aspects of the pharmaceutical and healthcare industries. Merck's mission is to discover, develop, and deliver innovative healthcare solutions that improve the health and well-being of people and animals worldwide. They have a long history of pioneering advancements in medicine and pharmaceuticals and continue to be a leader in the healthcare industry, with a focus on research, development, and delivering life-saving therapies.



MERCK

EXAMPLE PROJECTS

Merck initiates a project to research, develop, and bring to market an innovative cancer treatment drug. Merck designs and conducts a series of rigorous clinical trials involving human participants. These trials are conducted in phases, with each phase evaluating the drug's safety and effectiveness in a larger population. The company focuses on scaling up the manufacturing of the drug to meet the expected demand upon regulatory approval.

BUSINESS MODEL

Merck's business model is rooted in its mission to discover, develop, and deliver innovative healthcare solutions that improve the health and well-being of people and animals worldwide. Their pharmaceutical research and development efforts, combined with their global reach and commercialization capabilities, position them as a leader in the pharmaceutical and healthcare industry.

MAJORS



Biomedical Engineering



Chemical Engineering



Electrical Engineering



Mechanical Engineering

LINKS



Career



News



Meta

ABOUT

When Facebook launched in 2004, it changed the way people connect. Apps like Messenger, Instagram and WhatsApp further empowered billions around the world. Now, Meta is moving beyond 2D screens toward immersive experiences like augmented, virtual and mixed reality to help build the next evolution in social technology.

EXAMPLE PROJECTS

Meta, formerly known as Facebook, is a company that operates various platforms and technologies, including Facebook, Instagram, WhatsApp, Oculus, and more. As of my last knowledge update in September 2021, here are some example projects or areas of focus that were associated with Meta: Virtual Reality(VR) and Augmented Reality(AR), AI and Machine Learning, Data Centers and Infrastructure, Cybersecurity and Safety.

BUSINESS MODEL

Meta's business model is primarily based on advertising and data-driven services across its various platforms, including Facebook, Instagram, WhatsApp, and more. Here are the key elements of Meta's business model: Advertising Revenue, Data Monetization, VR and Hardware, E-commerce and Marketplace, Payments and Financial Services, Subscription Services, Acquisitions, and Hardware and Device Sales.



MAJORS



Computer Engineering



Computer Science



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



Micron



ABOUT

Micron memory and storage solutions help the world work with data. Our more than 40,000 team members work with our customers to pursue the products that will shape how we live and work tomorrow.



EXAMPLE PROJECTS

From smart watches to fitness devices to AR/VR headsets, wearables leverage Micron's ultra-small, low-power memory and storage to deliver new and more advanced features. Micron's portfolio of NVMe™ SSDs offer the performance and capacity to support the immense data storage needs of AI training and inference.

BUSINESS MODEL

Micron's business model centers around innovation, manufacturing expertise, and global reach. Micron creates memory devices and supplies them to customers, such as partner companies, to use in their products.

MAJORS

-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Environmental Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



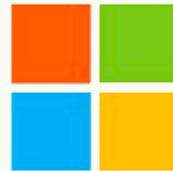
News



Microsoft

ABOUT

Microsoft enables digital transformation for the era of an intelligent cloud and an intelligent edge. Its mission is to empower every person and every organization on the planet to achieve more.



Microsoft

EXAMPLE PROJECTS

Microsoft has famously created the XBOX and Windows. Additionally, Microsoft Research established AI4Science, a global organization of researchers and engineers. This group is researching some of today's most pressing challenges in deep learning and artificial intelligence—and the potential of those technologies to transform scientific discovery and positively impact society.

BUSINESS MODEL

Microsoft's business model is based on subscriptions and purchases of services and devices that customers utilize in both their personal and professional lives.

MAJORS

Chemical Engineering

Computer Engineering

Computer Science

Electrical Engineering

Mechanical Engineering

LINKS



Career



News



Milwaukee Tool



ABOUT

Since its establishment in 1924, Milwaukee Tool has consistently pioneered innovative solutions for professional construction users, focusing on enhanced productivity and durability. They're renowned for their M12™ and M18™ cordless systems, the groundbreaking M12 and M18 FUEL™ products, jobsite lighting, time-saving accessories, and cutting-edge hand tools and storage solutions. Milwaukee Tool differentiates itself by actively collaborating with real users to grasp evolving workplace demands, address frustrations, and develop game-changing innovations across their product lines.



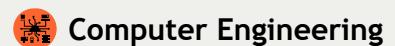
EXAMPLE PROJECTS

Continuing with their dedication to the professional tree service industry, Milwaukee Tool announces the new M18 FUEL™ Telescoping Pole Saw. Designed with a user-demanded feature set, this battery-operated pole saw is faster than 36cc gas and delivers the power to cut hardwoods while eliminating the headaches associated with gas.

BUSINESS MODEL

Milwaukee Tool's business model revolves around designing and manufacturing innovative, high-quality tools and equipment for professional construction and industrial users. They focus on creating durable and efficient products that enhance productivity and safety on the job site. Milwaukee Tool's success is built on a commitment to continuous innovation, close collaboration with end-users, and a dedication to providing comprehensive solutions for the specific needs of trade professionals.

MAJORS



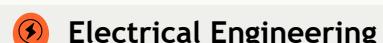
Computer Engineering



Computer Science



Civil Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



Molson Coors Beverage

ABOUT

Molson Coors Beverage Company is a publicly traded company that operates through Molson Coors North America and Molson Coors Europe, and is traded on the New York and Canadian Stock Exchange (TAP). The company's commitment to raising industry standards and leaving a positive imprint on our employees, consumers, communities, and the environment is reflected in Our Imprint and our 2025 sustainability targets.



EXAMPLE PROJECTS

Molson Coors Beverage Company, like many large beverage companies, is involved in a wide range of engineering projects related to brewing, manufacturing, and beverage production. These projects can vary in scale and scope, but here are some example engineering projects that a company like Molson Coors might undertake: Brewery Expansion & Modernization, Sustainability Initiatives, Packaging Innovation, Quality Control & Assurance, and Smart Manufacturing.

BUSINESS MODEL

Molson Coors Beverage Company is a multinational beverage company known for its production of a wide range of alcoholic and non-alcoholic beverages, with a primary focus on beer. Its business model is centered around several key components: Beverage Production, Brands & Portfolios, Sales & Distribution, Marketing & Advertising, and Brewing and Manufacturing Facilities.

MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News





Morgan Stanley

ABOUT

Morgan Stanley is a global financial services firm providing investment banking, securities, wealth management, and investment management services. With a legacy of over 85 years, Morgan Stanley's mission is to help governments, corporations, institutions, and individuals around the world achieve their financial goals through sustainable and innovative financial solutions.



EXAMPLE PROJECTS

Morgan Stanley has been heavily involved in fostering sustainable finance initiatives, such as helping clients raise capital for green projects. A key example is their issuance of green bonds, which finance projects that combat climate change and support renewable energy. They also recently launched their Institute for Inclusion, aimed at advancing diversity and inclusion in the financial sector by providing scholarships, internships, and career opportunities for underrepresented communities.

MAJORS

 Computer Science

 Industrial & Systems Engineering

BUSINESS MODEL

Morgan Stanley's business model focuses on investment and wealth management services, capital markets, and financial advisory. They emphasize long-term client relationships, innovation in financial products, and a global reach that allows them to manage assets and portfolios across industries and regions.

LINKS



Career



News



Mortenson

ABOUT

Mortenson is a top 25 builder and developer fully invested in our customers' success and improving the communities in which people live and work. They are a construction industry leader in markets like sports facilities, renewable energy, data centers and healthcare. At the end of the day, Mortenson wants to be known for making sure the built environment has a lasting positive impact and strives to make customers' projects better than you imagined possible.

EXAMPLE PROJECTS

Mortenson was part of the construction of Allegiant Stadium (home to the NFL's Las Vegas Raiders), Fiserv Forum (home of the NBA's Milwaukee Bucks), U.S. Bank Stadium (home of the NFL's Minnesota Vikings), Vivint Smart Home Arena (home to the NBA's Utah Jazz).

BUSINESS MODEL

Mortenson, a prominent construction and real estate development company, operates with a business model centered on delivering comprehensive services in construction, development, and renewable energy projects. They specialize in designing, building, and managing a wide range of facilities, from healthcare and education to sports and entertainment. Mortenson's success is rooted in their commitment to client collaboration, innovation, sustainability, and excellence in project execution, making them a leader in the construction and development industry.



MAJORS



Civil Engineering



Computer Engineering



Computer Science



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News

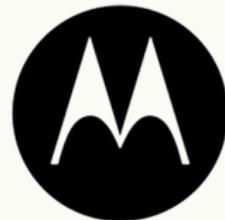


Motorola



ABOUT

Motorola exists to design, create and deliver purposeful innovations to people across the globe so they transform the way they discover, share and connect with the world around them. Since 1928, we've been driven to move the industry forward. At Motorola, we strive to provide people with more access to the intuitive mobile products and services needed to make everyday life easier, more uplifting, and more enjoyable for all.



MOTOROLA

EXAMPLE PROJECTS

Motorola has created a satellite link, routers, baby monitors, phones like the Razr+ and the Motorola Edge, and more.

BUSINESS MODEL

Motorola's business model is characterized by its wide array of products and services catering to both consumer and business markets, with a historical emphasis on telecommunications, radios, and mobile devices.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News





Nascar

ABOUT

NASCAR sanctions and produces stock car racing, with drivers, sponsors and passionate fans from all over the world attending events in the United States, Canada, Mexico and Europe.



EXAMPLE PROJECTS

Nascar released 3 new car models, the Next Gen Chevrolet Camaro ZL1, the Ford Mustang, and the Toyota TRD Camry. Nascar worked on these from 2018 to 2022. These cars were upgraded with more symmetrical structures and bigger wheels than in the past.

MAJORS

- Aerospace Engineering
- Computer Engineering
- Computer Science
- Mechanical Engineering

BUSINESS MODEL

NASCAR's business model is built around the entertainment and excitement of stock car racing. By combining live events, media rights, sponsorships, licensing, and digital engagement, NASCAR has built a business model that involves fans, drivers, teams, and corporate partners.

LINKS



Career



News



National Security Agency

ABOUT

The National Security Agency (NSA) is a U.S. government agency responsible for signals intelligence (SIGINT) and information assurance. The agency's mission is to collect, analyze, and protect electronic and communication intelligence in support of national security and foreign policy objectives. The agency operates under strict legal and congressional oversight to balance the need for national security with the protection of civil liberties and privacy.



EXAMPLE PROJECTS

Enhance the NSA's capabilities in detecting and mitigating cyber threats to protect critical U.S. government and infrastructure networks. The NSA initiates research and development to create advanced algorithms and tools for the real-time detection of sophisticated cyber threats. This involves monitoring network traffic, analyzing anomalies, and identifying potential security breaches.

BUSINESS MODEL

The agency's fundamental business model is centered around its mission to provide signals intelligence (SIGINT) and information assurance to support national security and foreign policy objectives.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

LINKS



Career



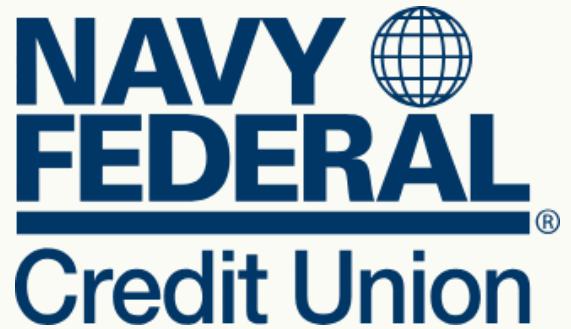
News



Navy Federal Credit Union

ABOUT

Navy Federal Credit Union (Navy Federal) is one of the largest credit unions in the United States, and it primarily serves members of the U.S. military and their families. Navy Federal offers a wide range of financial products and services, with a focus on meeting the unique financial needs of its members.



EXAMPLE PROJECTS

Navy Federal initiates a project to enhance its digital banking platform and improve the overall member experience. The project includes the development of a cutting-edge mobile app with features like mobile check deposit, biometric login, and real-time account alerts. The project includes the implementation of AI-driven chatbots to provide quick responses to frequently asked questions and a more efficient member support system.

BUSINESS MODEL

Navy Federal's business model is driven by a commitment to serving its members and the military community. By offering competitive financial services, maintaining a not-for-profit structure, and emphasizing member ownership and engagement, Navy Federal Credit Union aligns its operations with the financial well-being and interests of its members, reflecting the principles of the cooperative movement.

MAJORS

- Computer Engineering
- Computer Science
- Electrical Engineering

LINKS



Career



News



Nintendo of America

ABOUT

Nintendo of America (NOA) headquarters are located in Redmond, Washington, along with NST (Nintendo Software Technology Corporation), and NTD (Nintendo Technology Development Inc). They play a crucial role in distributing and marketing Nintendo's gaming consoles, video games, and accessories in the North American market. The company is known for iconic franchises like Super Mario, The Legend of Zelda, and Pokémon, and its mission is to provide engaging and family-friendly gaming experiences to a wide audience.

EXAMPLE PROJECTS

The Nintendo Switch Lite. The Nintendo Switch Lite is a handheld gaming console designed as a more portable and affordable alternative to the standard Nintendo Switch. It was introduced to broaden Nintendo's product offering and appeal to a broader audience, especially those who prefer gaming on the go.

BUSINESS MODEL

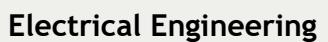
Nintendo of America, the subsidiary of Nintendo Co., Ltd., operates with a business model focused on the development, distribution, and marketing of video games and gaming consoles for the North American market. Their primary revenue streams come from hardware sales (such as the Nintendo Switch) and software sales (games like Mario, Zelda, and Pokémon), often coupled with accessories. Their unique approach to family-friendly, innovative gaming experiences and brand loyalty plays a central role in their sustained success in the gaming industry.



MAJORS



Computer Engineering



Computer Science



Electrical Engineering



Mechanical Engineering

LINKS



Career



News



Northrop Grumman

ABOUT

Northrop Grumman Corporation is a major American aerospace and defense technology company with headquarters in Falls Church, Virginia. Founded in 1939, Northrop Grumman is renowned for its expertise in aerospace and defense systems, including aircraft, unmanned systems, cybersecurity, and space technology. The company is a key player in supporting national security efforts and space exploration missions, consistently delivering cutting-edge solutions to meet the evolving needs of the defense and aerospace industries.

EXAMPLE PROJECTS

The company played a significant role in space exploration missions, including the James Webb Space Telescope, which is designed to study the universe's distant galaxies, stars, and planets. They were also involved in satellite development and launch systems.

BUSINESS MODEL

Northrop Grumman's business model revolves around providing advanced technology solutions in the aerospace and defense sectors. They specialize in developing and delivering cutting-edge systems, including aircraft, unmanned systems, cybersecurity solutions, and space technologies, to meet the evolving needs of government and commercial customers worldwide.



MAJORS

Chemical Engineering

Computer Engineering

Computer Science

Electrical Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Nucor

ABOUT

Nucor Corporation, headquartered in Charlotte, North Carolina, is one of the largest steel and steel products manufacturers in the United States. Founded in 1940, Nucor has established itself as a leading player in the steel industry, known for its commitment to innovation, environmental sustainability, and operational excellence. The company operates multiple steel mills and production facilities across the U.S., producing a wide range of steel products, including sheet, bar, and structural steel. Nucor's unique business model emphasizes decentralized management and a focus on efficiency, enabling them to adapt quickly to market demands and maintain a competitive edge in the global steel market.

EXAMPLE PROJECTS

Nucor is committed to reducing its environmental impact. They have invested in energy-efficient technologies, implemented recycling programs, and reduced greenhouse gas emissions through cleaner steelmaking processes.

BUSINESS MODEL

Nucor Corporation's business model is built on innovative and decentralized steel manufacturing, where mini mills recycle scrap steel to produce a wide range of steel products. They prioritize customer needs, employee safety, and sustainability, and their decentralized structure allows for rapid decision-making and market adaptability. Nucor's commitment to technological advancement, strong financial position, and community engagement have contributed to its success as a leading player in the steel industry.

NUCOR®

MAJORS

 Chemical Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



ABOUT

Nvidia is a global leader in artificial intelligence, graphics processing, and computing hardware. Known for its pioneering work in GPU technology, Nvidia has transformed industries ranging from gaming to healthcare, data centers, and autonomous driving by enabling advanced computing capabilities.



EXAMPLE PROJECTS

Nvidia's GPUs have been integral in advancing artificial intelligence research. Their work on the Nvidia DGX systems, which serve as the foundation for AI supercomputing, has been used by numerous organizations to accelerate research in autonomous driving, computer hardware, genomics, and healthcare. Additionally, Nvidia's Omniverse platform is transforming 3D simulation and design collaboration, allowing industries to build virtual worlds for digital twins, engineering simulations, and more.

MAJORS



Computer Engineering



Computer Science



Electrical Engineering

BUSINESS MODEL

Nvidia operates a product-based business model, focusing on selling high-performance GPUs and computing solutions that serve diverse markets like gaming, data centers, automotive, and AI research. Their strategy includes continuous innovation, strong partnerships with major industry players, and expanding into emerging fields like metaverse technologies.

LINKS



Career



News



NXP Semiconductors

ABOUT

NXP Semiconductors is a leading global technology company specializing in secure connectivity solutions for embedded applications. They provide innovative products across industries such as automotive, industrial, mobile, and communication infrastructure. NXP is known for its expertise in automotive electronics, secure identification, and edge computing, delivering high-performance semiconductors that enhance security, efficiency, and connectivity in modern devices and systems.

EXAMPLE PROJECTS

NXP Semiconductors has been involved in a range of innovative projects across various industries. In automotive, they contribute to advanced driver assistance systems (ADAS) and electric vehicle (EV) technologies. They have developed secure connectivity solutions for smart cities, enhancing urban mobility and infrastructure. NXP also plays a key role in IoT projects, enabling secure, efficient edge computing and smart home devices. Additionally, their technology powers mobile payment systems and secure identification solutions used worldwide.

BUSINESS MODEL

NXP Semiconductors follows a B2B model, delivering secure, high-performance semiconductor solutions to industries like automotive and mobile. They focus on long-term partnerships, offering custom hardware and software that drive innovation, security, and efficiency in modern technologies.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Oracle



ABOUT

Oracle is one of the world's largest software and cloud computing companies. They specialize in developing database software, cloud-engineering systems, and enterprise software solutions that help organizations manage business operations, data, data security, and applications efficiently. Oracle's cloud platform is renowned for supporting scalable, secure infrastructure for businesses across the globe.

EXAMPLE PROJECTS

Oracle has led numerous transformative projects in cloud computing. One notable example is their partnership with Zoom, providing the video conferencing company with cloud infrastructure to handle a surge in usage during the COVID-19 pandemic. Another key project is the development of Oracle Autonomous Database, a self-managing database that uses machine learning to automate routine tasks, optimize performance, and enhance security.

BUSINESS MODEL

Oracle's business model revolves around cloud infrastructure, software-as-a-service (SaaS) offerings, and database management. Their strategy focuses on providing scalable, high-performance cloud solutions to enterprises, emphasizing security, automation, and ease of use for business-critical applications.

ORACLE

MAJORS

 Computer Engineering

 Computer Science

 Industrial & Systems Engineering

LINKS



Career



News



ABOUT

Procter & Gamble (P&G) is a multinational consumer goods company headquartered in Cincinnati, Ohio, with a rich history dating back to 1837. It is one of the world's largest and most recognized consumer goods companies, known for a vast portfolio of household and personal care brands. P&G's brand lineup includes iconic names like Tide, Pampers, Gillette, and Olay, among many others, covering a wide range of consumer needs. The company's business model centers on innovation, research, and marketing excellence to create and market products that improve the lives of consumers worldwide while maintaining a strong commitment to sustainability and corporate responsibility.

EXAMPLE PROJECTS

P&G continuously works on product development and improvement across various categories, including personal care, household cleaning, and healthcare. They have launched new products and improved existing ones to meet changing consumer needs.

BUSINESS MODEL

Procter & Gamble's business model centers on manufacturing and marketing a wide range of consumer goods, including household products, personal care items, and healthcare products. They prioritize innovation, brand strength, and a commitment to sustainability while leveraging a global distribution network to reach consumers and maintain a strong presence in the consumer goods industry..



MAJORS

Chemical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Pacific Gas & Electric Company

ABOUT

Pacific Gas and Electric Company (PG&E) is one of the largest utility companies in the United States, providing electricity and natural gas to millions of customers in California. PG&E is committed to delivering reliable and sustainable energy solutions while focusing on environmental stewardship and community engagement. Their mission encompasses promoting clean energy through hydroelectricity and nuclear energy, safety, and resilience in the communities they serve, with a goal of creating a better energy future for California residents.



MAJORS

Computer Engineering

Computer Science

Nuclear Engineering

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

EXAMPLE PROJECTS

To help customers prepare their gas appliances for safe use during the cold weather months ahead, Pacific Gas and Electric Company (PG&E) offers free in-home safety checks. During the safety checks, PG&E also will relight pilot lights for customers who have heaters or other appliances that have been turned off during warmer months.

BUSINESS MODEL

Pacific Gas and Electric Company (PG&E) operates with a business model that centers on providing electricity and natural gas services to millions of customers in California. Their revenue is generated primarily through the sale of these energy services, with a focus on reliability and sustainability. PG&E also invests in infrastructure maintenance, grid modernization, and renewable energy initiatives to meet regulatory requirements and support environmental goals while ensuring the continuous delivery of essential services.

LINKS



Career



News



PBF Energy



ABOUT

PBF Energy is one of the largest independent petroleum refiners and suppliers of transportation fuels, heating oils, lubricants, and petrochemical feedstocks in the United States. With refineries strategically located across the country, PBF Energy provides critical energy products that power various industries and daily life, while also focusing on improving operational efficiency and sustainability in fuel production.



EXAMPLE PROJECTS

PBF Energy has made significant strides in upgrading its refinery capabilities, including the Torrance Refinery Modernization Project, which focuses on enhancing safety, reliability, and environmental performance. The company has also undertaken initiatives to reduce emissions and improve energy efficiency through projects like the Renewable Diesel Project, which aims to produce lower-carbon fuels from renewable feedstocks.

MAJORS

-  Chemical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Mechanical Engineering

BUSINESS MODEL

PBF Energy's business model revolves around refining crude oil into a range of petroleum products while optimizing the cost of production and distribution. The company's strategy emphasizes operational excellence, investment in technology, and a commitment to sustainability. They also focus on leveraging their market position to deliver reliable energy solutions while adapting to shifts toward renewable energy sources.

LINKS



Career



News



PepsiCo



ABOUT

PepsiCo, headquartered in Purchase, New York, is one of the world's largest food and beverage companies. Established in 1965, the company operates a diverse portfolio of popular brands, including Pepsi, Frito-Lay, Gatorade, Tropicana, and Quaker Oats, among others. PepsiCo's business spans a wide range of food and beverage categories, offering products such as carbonated soft drinks, snacks, juices, and more. The company is committed to sustainable practices, focusing on environmental responsibility, nutrition, and social impact as key pillars of its corporate strategy.

EXAMPLE PROJECTS

PepsiCo is committed to reducing plastic waste. They have launched initiatives to make their packaging more sustainable by using recyclable, compostable, and biodegradable materials. They also aim to increase the use of recycled plastics in their bottles.

BUSINESS MODEL

PepsiCo's business model revolves around its diversified portfolio of food and beverage products, including globally recognized brands like Pepsi, Lay's, and Tropicana. With a global presence spanning over 200 countries, the company leverages consumer insights to drive innovation, introducing products that cater to changing preferences and sustainability demands. Their extensive distribution network, strategic acquisitions, and marketing efforts ensure broad market reach, while a commitment to sustainability and diversified revenue streams contribute to their enduring success in the competitive industry.



PEPSICO

MAJORS

 Chemical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

 Materials Science & Engineering

LINKS



Career



News





Pfizer Inc.

ABOUT

Pfizer Inc. is a global pharmaceutical and biotechnology company headquartered in New York City. As one of the world's leading pharmaceutical companies, Pfizer is dedicated to discovering, developing, and manufacturing innovative medicines and vaccines for a wide range of health conditions and diseases. With a history spanning over 170 years, the company is known for its contributions to healthcare, including breakthroughs in areas like vaccines, oncology, and cardiovascular health.



EXAMPLE PROJECTS

One notable project that Pfizer has been actively involved in is the development of the COVID-19 vaccine in collaboration with the German biotechnology company BioNTech. The vaccine, named Comirnaty (BNT162b2), has been a landmark achievement in the fight against the COVID-19 pandemic. It is based on messenger RNA (mRNA) technology and was one of the first vaccines to receive emergency use authorization in various countries, including the United States, in late 2020.

BUSINESS MODEL

Pfizer's business model centers on being a global pharmaceutical and biotechnology leader, emphasizing research and development, drug manufacturing, and distribution. They collaborate with various partners and maintain a diverse product portfolio to address medical needs in areas like oncology, cardiology, and vaccines. Pfizer is committed to innovation, sustainability, and delivering quality healthcare solutions to patients worldwide while adhering to stringent regulatory standards.

Biomedical Engineering

Chemical Engineering

Environmental Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



PIMCO



ABOUT

PIMCO (Pacific Investment Management Company) is a global leader in fixed income management and one of the largest asset managers in the world. PIMCO offers a wide array of investment solutions, including fixed income, equities, alternatives, and real assets, with a focus on delivering sustainable long-term performance for individual and institutional clients.

EXAMPLE PROJECTS

PIMCO is at the forefront of Environmental, Social, and Governance (ESG) investing, integrating ESG factors into its investment strategies. A major initiative includes the launch of the PIMCO Climate Bond Fund, which focuses on investments in green bonds and projects that support climate change mitigation and environmental sustainability. Additionally, PIMCO has played a role in advising governments and institutions on managing large sovereign debt portfolios.

BUSINESS MODEL

PIMCO's business model centers on managing portfolios across asset classes to deliver value to clients through active investment strategies. The firm's approach focuses on in-depth macroeconomic analysis, risk management, and long-term investment planning, with an emphasis on innovation and client-focused solutions in both traditional and alternative asset classes.

PIMCO

MAJORS

 Computer Engineering

 Computer Science

 Industrial & Systems Engineering

 Electrical Engineering

LINKS



Career



News



Polaris



ABOUT

Polaris takes great pride in their history as a category pioneer and current position as the global industry leader in powersports. But with leadership comes a responsibility to keep pushing the industry forward — and there are always more people in more places who could benefit from an invitation to THINK OUTSIDE. That's why Polaris' strategy focuses on staying ahead of our customers' needs. They continue to deliver through elevated experiences, inspirational brands and rider-driven innovations, backed by the best and brightest people in the industry.

EXAMPLE PROJECTS

Polaris announced the first shipment of all electric RANGER XP Kinetic. RANGER XP Kinetic delivers uncompromised capability, unrivaled durability, and the refined performance of an all-electric powertrain. This aligns with the growing demand for eco-friendly and sustainable transportation options and showcases Polaris's commitment to staying at the forefront of innovation.

BUSINESS MODEL

Polaris operates with a business model that focuses on manufacturing and selling a wide range of power-sport vehicles, including all-terrain vehicles (ATVs), snowmobiles, motorcycles, and utility vehicles. They also produce boats, electric vehicles, and associated parts and accessories. Polaris' business strategy is built on innovation, brand differentiation, and a commitment to creating products that cater to outdoor enthusiasts and recreational users, both for work and play, across various global markets.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News





PTC Inc.



ABOUT

Digital technology is constantly transforming how businesses engage with their customers and employees. To navigate this ever-changing landscape, industrial companies need a technology partner that can help them survive—and thrive—by rapidly accelerating digital transformation across their products, operations, and workforce.



ptc

EXAMPLE PROJECTS

PTC Inc. is known for its innovative software solutions in product lifecycle management (PLM) and industrial Internet of Things (IoT). A significant project is their Windchill PLM platform, which allows companies to manage product data and streamline collaboration across teams. PTC has also developed the Vuforia Augmented Reality (AR) platform, empowering manufacturers to create immersive training and operational tools for complex machinery, transforming the way industries approach workforce training and equipment maintenance.

BUSINESS MODEL

PTC Inc operates under a business model focused on providing software solutions and services that empower organizations to enhance their product development and management processes. They offer a suite of software products, including computer-aided design (CAD), product lifecycle management (PLM), and Internet of Things (IoT) platforms, as well as augmented reality (AR) solutions.

MAJORS

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News





Qualcomm

ABOUT

Qualcomm Incorporated is a prominent American semiconductor and telecommunications company headquartered in San Diego, California. Established in 1985, Qualcomm has become a global leader in the development and commercialization of advanced wireless technologies and telecommunications solutions. The company is best known for its innovations in mobile communications, including the development of wireless chipset technologies, 3G, 4G, and 5G connectivity standards, and mobile processors. Qualcomm's contributions have played a pivotal role in shaping the mobile device industry and enabling the proliferation of smartphones and IoT devices worldwide.

EXAMPLE PROJECTS

Qualcomm has been at the forefront of developing 5G technology, including 5G modem and chipset solutions for mobile devices. They have collaborated with industry partners to enable faster and more reliable wireless communication. Qualcomm collaborates with infrastructure providers to support the rollout of 5G networks, providing solutions for base stations and network equipment.

BUSINESS MODEL

Qualcomm's business model centers on designing and licensing innovative semiconductor technologies, particularly for wireless communications, mobile devices, and IoT applications. They generate revenue through a combination of licensing fees for their intellectual property and sales of chipsets and hardware solutions, playing a pivotal role in the mobile technology ecosystem.

Qualcomm

MAJORS

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News





Regeneron Pharmaceuticals

ABOUT

Regeneron is a leading biotechnology company that invents, develops, and commercializes life-transforming medicines for people with serious diseases. Founded and led for 35 years by physician-scientists, Regeneron's unique ability to repeatedly and consistently translate science into medicine has led to numerous FDA-approved treatments and product candidates in development, almost all of which were homegrown in Regeneron's laboratories.

EXAMPLE PROJECTS

Regeneron Pharmaceuticals, Inc. and Sanofi today announced that the U.S. Food and Drug Administration (FDA) has approved Kevzara® (sarilumab) for the treatment of polymyalgia rheumatica (PMR), an inflammatory rheumatic disease, in adult patients who have had an inadequate response to corticosteroids or who cannot tolerate corticosteroid taper.

BUSINESS MODEL

Regeneron Pharmaceuticals operates with a business model that revolves around the research, development, and commercialization of biopharmaceutical products. They specialize in the discovery of novel treatments, particularly monoclonal antibodies, to address a wide range of medical conditions, including serious diseases such as cancer, eye diseases, and immune and inflammatory disorders. Regeneron generates revenue through the sale of its pharmaceutical products and often collaborates with other pharmaceutical companies and research institutions to advance its research and development efforts.



MAJORS

 Biomedical Engineering

 Chemical Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Relativity Space

ABOUT

Relativity Space is an innovative aerospace company revolutionizing the rocket industry through 3D printing. Their mission is to build humanity's multiplanetary future by designing, manufacturing, and launching rockets made almost entirely with 3D-printed components. This approach allows for greater flexibility in rocket production and significantly reduces the time required to build and launch spacecraft.

EXAMPLE PROJECTS

Relativity Space has developed the world's first fully 3D-printed rocket, the Terran 1, designed to launch small to medium-sized payloads into orbit. They are also working on the larger Terran R rocket, aimed at supporting missions to Mars and beyond. By advancing the use of autonomous robotics and cutting-edge manufacturing technologies, Relativity is setting new standards for the aerospace industry in terms of efficiency and sustainability.

BUSINESS MODEL

Relativity Space's business model focuses on the commercialization of 3D-printed rockets, offering a cost-effective and time-efficient solution for launching satellites and other payloads into space. Their approach is centered on rapid iteration and flexibility, allowing for shorter development cycles compared to traditional aerospace companies. This makes them a competitive option for commercial space launches, government missions, and private space exploration ventures.

Relativity

MAJORS

 Aerospace Engineering

 Computer Science

 Electrical Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Rockwell Automation

ABOUT

Rockwell Automation is a global industrial automation and digital transformation company headquartered in Milwaukee, Wisconsin. With a history dating back to the early 20th century, the company has become a leading provider of industrial automation and information solutions. Rockwell Automation specializes in designing and manufacturing products and software for automation and control systems used in various industries, including manufacturing, energy, and transportation. Their solutions enable companies to optimize operations, increase efficiency, and improve productivity through the integration of advanced technologies like the Industrial Internet of Things (IIoT) and artificial intelligence.

EXAMPLE PROJECTS

Rockwell Automation has supported projects related to energy management and sustainability, helping industrial facilities reduce energy consumption and environmental impact.

BUSINESS MODEL

Rockwell Automation's business model revolves around providing industrial automation and digital transformation solutions to a wide range of industries, helping clients optimize their manufacturing and production processes. They offer a comprehensive suite of products, software, and services, focusing on improving operational efficiency, safety, and sustainability in industrial settings.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



ABOUT

Raytheon Technologies Corporation is a multinational conglomerate known for its diverse portfolio of aerospace and defense technologies. Headquartered in Waltham, Massachusetts, the company was formed through the merger of Raytheon Company and United Technologies Corporation in 2020. Raytheon Technologies operates in various sectors, including aerospace, defense, and intelligence, offering a wide range of products and services, such as missile systems, radar and sensors, aircraft engines, avionics, and cybersecurity solutions.

EXAMPLE PROJECTS

Raytheon Technologies was a key player in the development of the Next-Generation Jammer, a highly advanced electronic warfare system for the U.S. Navy. NGJ is designed to replace the aging ALQ-99 tactical jamming system on the EA-18G Growler aircraft. It provides improved jamming capabilities, increased flexibility, and enhanced electronic attack capabilities to counter emerging threats.

BUSINESS MODEL

Raytheon Technologies' business model is based on providing cutting-edge aerospace and defense technologies, including aircraft systems, missile defense, and cybersecurity solutions, to both government and commercial customers worldwide. They leverage their diverse portfolio, innovation capabilities, and global reach to address evolving security challenges and maintain a strong presence in the aerospace and defense industry.



RTX

MAJORS

 Chemical Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Mechanical Engineering

LINKS



Career



News



Sandia National Laboratories

ABOUT

Sandia National Laboratories, a U.S. Department of Energy (DOE) research facility, focuses on national security, technology innovation, and energy development. Sandia has expanded to address complex national security challenges, including cybersecurity, advanced energy systems, and infrastructure protection. It operates major sites in Albuquerque, NM, and Livermore, CA, with a mission rooted in providing science-based solutions for government, military, and industry applications.



**Sandia
National
Laboratories**

EXAMPLE PROJECTS

Sandia leads innovative projects across energy and defense sectors. Notable efforts include developing supercritical carbon dioxide power cycles for improved energy efficiency, designing advanced particle heat exchangers for solar energy, and creating cybersecurity systems to protect grid-connected photovoltaic systems. It also contributes to nuclear deterrence, AI-driven clean energy solutions, and research into tidal energy systems to support remote communities in Alaska.

BUSINESS MODEL

Sandia operates under a government-owned, contractor-operated (GOCO) model. The laboratory's business model emphasizes partnerships with academia, industry, and government agencies to ensure a stable energy supply, protect national infrastructure, and advance scientific research. Sandia's mission is to deliver exceptional service in the national interest, aligning with its focus on innovation and national security. Its projects often aim to transition technology from the lab to commercial applications to maximize societal impact.

MAJORS

- Chemical Engineering
- Electrical Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Nuclear Engineering

LINKS



Career



News





Sentry

ABOUT

Sentry is a leading provider of software solutions for application monitoring, error tracking, and performance management. The company's mission is to help developers build better, more reliable applications by identifying and resolving issues in real-time. Sentry offers tools that allow businesses to monitor their applications across various platforms, providing deep insights into errors and performance bottlenecks.



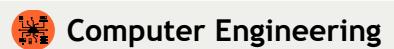
EXAMPLE PROJECTS

Sentry has pioneered error-tracking software used by developers across industries to improve the reliability of their applications. One of their notable projects includes enhancing their open-source error monitoring platform to support mobile app development with comprehensive crash reporting. Additionally, Sentry has worked on expanding its performance monitoring features, helping companies optimize their web applications for speed and efficiency.

BUSINESS MODEL

Sentry's business model revolves around offering scalable, cloud-based solutions for application monitoring and performance tracking. They provide both a free tier for small projects and a paid enterprise tier with advanced features, catering to the diverse needs of businesses, from startups to large corporations. By focusing on the developer community, Sentry creates tools that seamlessly integrate into various development environments.

MAJORS



Computer Engineering



Computer Science

LINKS



Career



News



ABOUT

Skanska is a global construction and development company committed to building a better society. With a history spanning over 130 years, we have established ourselves as a leading provider of construction, development, and project management services worldwide. Our core values center on sustainability, safety, innovation, and collaboration, reflecting our dedication to creating infrastructure and buildings that make a positive impact on communities.

EXAMPLE PROJECTS

We undertake significant infrastructure projects, including road and bridge construction, rail and transportation systems, and water treatment facilities. Our work on large-scale infrastructure development aims to improve the quality of life for communities and enhance connectivity.

BUSINESS MODEL

Skanska operates with a business model focused on delivering construction and development services rooted in sustainability and quality. We offer a wide range of services, including construction, project management, and property development. Our revenue is primarily generated through project contracts, development sales, and property management. Skanska is dedicated to incorporating sustainable practices and innovative construction methods to ensure the long-term viability and efficiency of the built environment. Our commitment to safety, environmental responsibility, and close collaboration with clients sets the foundation for our business model.

SKANSKA

MAJORS



Civil Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



Skyworks Solutions

ABOUT

Skyworks Solutions is a global semiconductor company that designs and manufactures analog and mixed-signal semiconductors. Their products are used in a wide range of applications, from mobile devices and wireless networks to automotive systems and industrial automation, enabling seamless connectivity and communications.

EXAMPLE PROJECTS

Skyworks has been a key player in the development of 5G technologies, providing advanced RF (radio frequency) solutions that power 5G wireless networks. Another important project is their work on Wi-Fi 6E chipsets, enabling faster, more efficient wireless communication for consumer electronics, smart home devices, and industrial IoT systems.

BUSINESS MODEL

Skyworks operates on a business model centered around innovation in semiconductor technology, targeting high-growth markets such as wireless communications, mobile devices, and connected systems. The company's strategy emphasizes partnerships with leading technology firms and continuous development of next-generation wireless communication technologies.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Materials Science & Engineering

LINKS



Career



News



ABOUT

Schlumberger, often referred to as SLB, is a global oilfield services and technology company with its headquarters in Houston, Texas. As one of the world's largest and most influential energy services providers, Schlumberger offers a wide range of solutions and expertise to support the exploration, production, and management of oil and natural gas reserves. Their services encompass drilling, reservoir evaluation, well construction, and data analysis, among others, playing a critical role in the oil and gas industry's operational efficiency and sustainability.



EXAMPLE PROJECTS

One notable project by Schlumberger involved their collaboration with Saudi Aramco in the development of the "Digital Oil Field." This project aimed to optimize the management and performance of oil and gas reservoirs through advanced data analytics and technology. Schlumberger's expertise in reservoir evaluation and well construction was instrumental in creating a connected ecosystem that improved decision-making, increased production efficiency, and reduced operational costs.

BUSINESS MODEL

Schlumberger's business model is rooted in being a Mechanical Engineering global leader in oilfield services and technology, providing a comprehensive range of solutions to the energy industry. They offer services and expertise in various areas, including drilling, reservoir evaluation, well construction, data analytics, and technology development. Schlumberger collaborates with energy companies worldwide, helping them explore, extract, and manage hydrocarbon resources efficiently and sustainably.

MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



Smurfit Westrock



ABOUT

Smurfit WestRock is a global leader in paper and packaging solutions, offering innovative and sustainable packaging products for various industries, including food, beverages, and consumer goods. The company focuses on developing environmentally friendly packaging solutions while maintaining operational efficiency and high standards of customer service.



Smurfit Westrock

EXAMPLE PROJECTS

Smurfit WestRock has pioneered sustainable packaging solutions, such as their Corrugated Packaging, which is designed to be fully recyclable and made from renewable resources. Another notable project is their Pak On Demand® Pouch System, which offers flexible, customizable packaging solutions for e-commerce and retail industries, significantly reducing waste and packaging material.

BUSINESS MODEL

Smurfit WestRock's business model centers on delivering innovative, sustainable packaging products to clients across various industries. The company leverages its extensive recycling network, operational efficiency, and commitment to innovation to maintain leadership in the global packaging industry while supporting environmental sustainability.

MAJORS



Chemical Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering

LINKS



Career



News



ABOUT

Southern California Gas Company, commonly known as SoCalGas, is one of the largest natural gas utility companies in the United States. Headquartered in Los Angeles, California, SoCalGas serves millions of customers in Southern California, providing them with clean and efficient natural gas for heating, cooling, cooking, and various industrial applications. The company is also actively involved in advancing sustainable energy solutions, such as renewable natural gas and hydrogen, to reduce greenhouse gas emissions and promote environmental sustainability in the region.



EXAMPLE PROJECTS

SoCalGas was actively investing in the development and expansion of RNG production facilities. RNG, often derived from organic waste sources such as landfills, wastewater treatment plants, and agricultural residues, is a low-carbon and renewable form of natural gas. SoCalGas was collaborating with various partners to construct and operate RNG production sites, with the goal of increasing the availability of clean and sustainable natural gas for its customers.

BUSINESS MODEL

SoCalGas operates as a natural gas utility company in Southern California, providing clean and reliable natural gas to millions of customers for residential, commercial, and industrial use. Their business model revolves around safely delivering natural gas while actively pursuing sustainable energy solutions like renewable natural gas (RNG) and hydrogen to reduce emissions and support environmental goals.

MAJORS

 Chemical Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Southern Company

ABOUT

Southern Company is a major American electric utility holding company headquartered in Atlanta, Georgia. With a history dating back over a century, the company is a leading provider of electricity in the southeastern United States. Southern Company operates a diverse portfolio of power generation assets, including nuclear, coal, natural gas, and renewable energy sources, making it a key player in the energy industry's transition towards cleaner and more sustainable power generation.

EXAMPLE PROJECTS

Southern Company was undertaking a significant expansion project at the Vogtle Electric Generating Plant near Waynesboro, Georgia. This expansion included the construction of Units 3 and 4, which are new nuclear reactors. Once completed, these reactors are expected to provide a substantial amount of clean and reliable electricity to the region. The Vogtle expansion project was considered one of the largest nuclear construction projects in the United States.

BUSINESS MODEL

Southern Company is an electric utility holding company that generates, transmits, and distributes electricity in the southeastern United States. Their business model centers on delivering reliable energy to millions of customers through a diverse mix of power generation sources.



Southern Company

MAJORS

Chemical Engineering

Electrical Engineering

Environmental Engineering

Mechanical Engineering

LINKS



Career



News



Southwire Company

ABOUT

Southwire's mission is to be a leading provider of innovative electrical solutions, offering high-quality products and services while upholding their promises. They adhere to a ONE Southwire culture, emphasizing the well-being of their team members, customers, communities, and shareholders through values like empowerment, trust, consistency, and inclusion.



Southwire®

EXAMPLE PROJECTS

Construction Continues on Schedule at Southwire's New Copper Rod Plant. Supporting its long-term modernization strategy and building on its goal to remain generationally sustainable for the next 100 years and beyond, Southwire broke ground on the construction of its new copper rod manufacturing plant in August 2021.

BUSINESS MODEL

Southwire's business model centers on providing innovative electrical solutions, including a wide range of wire and cable products, tools, and equipment to the electrical industry. They maintain a significant presence in both the residential and industrial sectors, with a focus on delivering exceptional quality and keeping their promises. Through vertical integration, a commitment to sustainability, and a diverse product portfolio, Southwire seeks to meet the evolving needs of their customers and maintain a strong presence in the electrical market.

MAJORS

 Computer Engineering

 Computer Science

 Civil Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



SpaceX



ABOUT

SpaceX is dedicated to reducing space transportation costs and enabling the colonization of Mars. SpaceX has achieved numerous significant milestones in the space industry, including developing the Falcon family of rockets, launching the Dragon spacecraft to resupply the International Space Station (ISS), and working on the Starship spacecraft, which aims to enable human missions to Mars and beyond. SpaceX also believes a fully and rapidly reusable rocket is the pivotal breakthrough needed to substantially reduce the cost of space access.

EXAMPLE PROJECTS

SpaceX has unveiled upgrades to its Starship and Super Heavy launch system after its inaugural flight on April 20, 2023. The flight exposed issues like propellant leaks and control problems, prompting enhancements in hardware like hot-stage separation, electronic Thrust Vector Control, fire suppression, and pad foundations to boost reliability and safety for upcoming Starship missions.



MAJORS

 Aerospace Engineering

 Chemical Engineering

 Computer Engineering

 Computer Science

 Civil Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News

BUSINESS MODEL

SpaceX's business model primarily revolves around providing space launch services for satellites and spacecraft, ranging from commercial clients to government agencies. Additionally, the company generates revenue through its missions to resupply the International Space Station and transport astronauts to and from the ISS. SpaceX's innovative venture, Starlink, aims to establish a global satellite internet network to expand internet access around the world and create a new revenue stream for the company.



SRAM



ABOUT

SRAM's founding was based on one man's dream to create a more fun, efficient, and faster experience on a bicycle. Today, SRAM is a global team of people delivering that same passion for improving the experience as well as expanding the potential of cycling.



EXAMPLE PROJECTS

One of SRAM's most popular and innovative inventions is the "1x" drivetrain technology, which simplifies the gear shifting system on bicycles. The SRAM 1x drivetrain eliminates the front derailleur and allows riders to shift smoothly and efficiently through a wide range of gears using a single chainring and a wide-range cassette. This technology has gained significant popularity in the cycling community for its simplicity, reliability, and improved performance, making it a common choice for mountain bikes, road bikes, and other cycling applications.

BUSINESS MODEL

SRAM Corporation is a prominent manufacturer of high performance bicycle components and accessories, specializing in drivetrain, suspension, and braking systems for various types of bicycles. Their business model centers on designing and producing innovative and quality products for both professional and recreational cyclists. SRAM sells its products to consumers through various channels, including direct to-consumer sales, bike shops, and original equipment manufacturers (OEMs), catering to a wide range of cycling enthusiasts.

MAJORS



Computer Engineering

Computer Science



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



ABOUT

Stantec is a global professional services company that specializes in design, engineering, and consulting. With a diverse range of services, we are committed to building resilient and sustainable infrastructure while improving the quality of life for communities around the world. Our multidisciplinary approach, rooted in creativity and innovation, allows us to tackle complex challenges across various industries, from architecture and engineering to environmental consulting and project management.

EXAMPLE PROJECTS

One of SRAM's most popular and innovative inventions is the "1x" drivetrain technology, which simplifies the gear shifting system on bicycles. The SRAM 1x drivetrain eliminates the front derailleur and allows riders to shift smoothly and efficiently through a wide range of gears using a single chainring and a wide-range cassette. This technology has gained significant popularity in the cycling community for its simplicity, reliability, and improved performance, making it a common choice for mountain bikes, road bikes, and other cycling applications

BUSINESS MODEL

SRAM Corporation is a prominent manufacturer of high performance bicycle components and accessories, specializing in drivetrain, suspension, and braking systems for various types of bicycles. Their business model centers on designing and producing innovative and quality products for both professional and recreational cyclists. SRAM sells its products to consumers through various channels, including direct to-consumer sales, bike shops, and original equipment manufacturers (OEMs), catering to a wide range of cycling enthusiasts.



MAJORS



Civil Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



TC Energy

ABOUT

TC Energy, formerly known as TransCanada Corporation, is a major North American energy infrastructure company with its headquarters in Calgary, Alberta, Canada. TC Energy is involved in the development and operation of energy projects, primarily in the fields of natural gas and liquids pipelines, as well as power generation. The company plays a significant role in the energy sector, facilitating the safe and efficient transportation of energy resources across North America. TC Energy's mission is to provide reliable, efficient, and sustainable energy infrastructure solutions to support North America's energy needs.



EXAMPLE PROJECTS

TC Energy has been responsible for the construction and operation of the Keystone Pipeline System, which consists of several pipelines designed to transport crude oil from Alberta, Canada to refineries in the United States. This complex project involved the construction of thousands of miles of pipeline and required extensive engineering work to ensure the safe and efficient transport of crude oil.

MAJORS

-  Chemical Engineering
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News

BUSINESS MODEL

TC Energy's business model centers on the development, operation, and maintenance of energy infrastructure critical to the reliable and sustainable transportation of energy resources. The company seeks to balance the evolving energy landscape by adapting to changing market dynamics, environmental concerns, and the demand for cleaner energy solutions.



T. Rowe Price



ABOUT

T. Rowe Price is a well-established American global investment management firm headquartered in Baltimore, Maryland. With a history spanning several decades, the company specializes in asset management and offers a diverse array of investment products and services, including mutual funds, retirement solutions, and institutional advisory services. T. Rowe Price is known for its focus on active investment strategies and a client-centered approach.

EXAMPLE PROJECTS

T. Rowe Price has made strides in financial technology and asset management. A recent key project is the enhancement of their Target Retirement Funds, which provide age-appropriate investment strategies for retirement planning. They have also embraced environmental, social, and governance (ESG) investing, developing strategies that allow clients to invest in companies with sustainable and socially responsible practices, demonstrating their dedication to responsible investment.

BUSINESS MODEL

T. Rowe Price, as an investment management firm, typically does not engage in individual projects in the traditional sense. Instead, they manage investment portfolios and assets on behalf of their clients, which include individual investors, institutions, and retirement plan sponsors. Their primary focus is on achieving optimal financial returns and asset allocation for their clients in various mutual funds and investment strategies.



T. Rowe Price

MAJORS

 Computer Engineering

 Computer Science

 Industrial & Systems Engineering

 Environmental Engineering

 Industrial & Systems Engineering

LINKS



Career



News



Technip FMC

ABOUT

TechnipFMC is a global leader in oil and gas project management, engineering, and construction. The company provides integrated solutions for subsea, onshore, offshore, and surface projects, helping clients unlock energy resources safely, efficiently, and sustainably. They are known for their innovative technologies that optimize production and reduce environmental impact.

EXAMPLE PROJECTS

TechnipFMC has been instrumental in developing the Subsea 2.0™ system, an integrated and simplified subsea production system that reduces the complexity, cost, and environmental footprint of offshore oil extraction. Another major project is their involvement in the Prelude FLNG (floating liquefied natural gas) facility, the world's largest floating offshore facility, designed to extract and process natural gas at sea.

BUSINESS MODEL

TechnipFMC operates on an integrated business model that combines engineering, procurement, and construction (EPC) services for the energy industry. The company's strategy focuses on delivering innovative technologies and solutions to optimize exploration, production, and refining processes while maintaining a strong emphasis on safety and sustainability.



MAJORS

 Chemical Engineering

 Civil Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Tetra Tech



ABOUT

Tetra Tech is a leading consulting and engineering firm that provides high-end solutions in water, environment, infrastructure, resource management, and energy. With a focus on solving the world's most complex challenges, Tetra Tech works across industries and regions to deliver sustainable, innovative solutions for a more resilient future.

EXAMPLE PROJECTS

Tetra Tech has worked on several high-impact environmental projects, including the Los Angeles River Revitalization Project, aimed at restoring natural habitats and improving flood management. The company has also been involved in designing renewable energy systems, such as solar and wind power plants, to support the transition to a low-carbon energy future.

BUSINESS MODEL

Tetra Tech's business model focuses on providing advanced technical solutions in water, environment, and energy sectors. The company's commitment to sustainability, innovation, and delivering value to clients through integrated consulting and engineering services forms the core of its business strategy.



TETRA TECH

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



Texas Instruments

ABOUT

Texas Instruments (TI) is a global semiconductor company known for designing and manufacturing a wide range of integrated circuits (ICs) and semiconductor devices. They serve diverse markets, invest in innovation, promote STEM education, emphasize corporate responsibility, and have a long history of contributions to the electronics industry. TI's products are used in various industries, including automotive, industrial, communications, and consumer electronics.

EXAMPLE PROJECTS

A typical project for a semiconductor engineer at Texas Instruments might involve designing and developing a low-power microcontroller optimized for Internet of Things (IoT) applications. This project includes tasks such as requirements analysis, architecture design, hardware and firmware development, power optimization, testing, and documentation. The goal is to create an energy-efficient microcontroller with connectivity options that meet the needs of IoT device manufacturers, contributing to the semiconductor industry's advancement.

BUSINESS MODEL

Texas Instruments' business model revolves around designing, manufacturing, and selling semiconductor products for a diverse range of industries. Their commitment to innovation, customer support, and corporate responsibility has helped them maintain a prominent position in the semiconductor industry for many decades.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



The Lane Construction Corp

ABOUT

The Lane Construction Corporation is a leading U.S. construction company specializing in heavy civil construction, including highways, bridges, airports, and water infrastructure projects. Lane's expertise spans large-scale, complex infrastructure projects, with a focus on quality, safety, and sustainability.



EXAMPLE PROJECTS

Lane Construction has been involved in major infrastructure projects such as the I-4 Ultimate Improvement Project in Florida, a \$2.3 billion initiative to improve traffic flow and safety across 21 miles of the I-4 corridor. Another key project is their work on water treatment and wastewater management facilities, contributing to more sustainable urban water systems across the U.S.

BUSINESS MODEL

Lane Construction's business model revolves around delivering large-scale, high-quality infrastructure projects. The company focuses on long-term relationships with public and private clients, emphasizing safety, innovation, and environmental sustainability in every project they undertake.

MAJORS



Civil Engineering



Environmental Engineering



Mechanical Engineering

LINKS



Career



News



The Trade Desk



ABOUT

The Trade Desk is a global technology company that empowers advertisers through data-driven advertising solutions. They offer a cloud-based platform that enables ad buyers to create, manage, and optimize digital advertising campaigns across various channels, including display, video, audio, and mobile.

EXAMPLE PROJECTS

The Trade Desk has developed Koa™, an AI-powered platform that leverages machine learning to improve the performance and optimization of advertising campaigns. Another notable project is their Unified ID 2.0, a privacy-conscious identity framework designed to improve ad targeting while preserving consumer privacy and data protection.

BUSINESS MODEL

The Trade Desk operates on a business model that focuses on providing transparent and efficient advertising solutions for brands, agencies, and publishers. Their platform allows users to analyze vast amounts of data to make real-time decisions on ad placements, maximizing the impact of digital ad spend across multiple channels.



MAJORS



LINKS



Career



News



Trane Technologies

ABOUT

Trane Technologies is a global company specializing in climate control solutions. They design, manufacture, and provide heating, ventilation, and air conditioning (HVAC) systems, services, and building automation technologies. Trane Technologies focuses on creating energy-efficient and sustainable solutions for commercial, residential, and industrial applications, contributing to environmental sustainability and comfortable indoor environments.

EXAMPLE PROJECTS

An example project at Trane Technologies involves developing an energy-efficient HVAC control system. Engineers gather requirements, design control algorithms, integrate sensors, develop software, and conduct testing. The project's goal is to create a system that optimizes indoor comfort, reduces energy consumption, and complies with environmental standards, aligning with Trane's commitment to sustainability and innovative climate control solutions.

BUSINESS MODEL

Trane Technologies' business model centers on providing climate control and sustainability solutions. They design, manufacture, and service HVAC systems, building automation technologies, and solutions for energy efficiency. Trane Technologies focuses on creating comfortable indoor environments while emphasizing energy efficiency and environmental responsibility. They offer a comprehensive range of products and services for residential, commercial, and industrial customers, aligning with their commitment to sustainability and innovative climate solutions.



MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



ABOUT

Trimble Inc. is a global technology company that specializes in providing innovative solutions for industries such as geospatial, construction, agriculture, transportation, natural resources, utilities, building construction, and rail. Their technologies encompass GPS, GNSS, surveying equipment, software for mapping and geographic information systems (GIS), construction management tools, precision agriculture solutions, and various applications for improved productivity, accuracy, and sustainability.

EXAMPLE PROJECTS

Trimble is known for its innovations in GPS technology and data solutions for industries like construction and agriculture. A notable project is the Trimble Earthworks Grade Control Platform, an advanced automation system for construction equipment that improves precision and reduces operational costs. Trimble has also pioneered autonomous vehicle technology for agriculture, helping farmers improve productivity by leveraging automated tractors and machinery for fieldwork.

BUSINESS MODEL

Trimble's business model centers around providing a comprehensive suite of technology solutions and services across industries like geospatial, construction, agriculture, and utilities. They generate revenue through hardware sales, software solutions, consulting and training services, ongoing maintenance and support, data analysis, and often offer leasing and subscription based pricing models. By focusing on innovation and data-driven decision-making, Trimble aims to enhance productivity, efficiency, and sustainability for professionals and organizations in their target sectors.



MAJORS

 Computer Engineering

 Computer Science

 Civil Engineering

 Environmental Engineering

 Electrical Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Turner Construction

ABOUT

Turner Construction Company is one of the largest and most well-established construction management and general contracting firms in the United States. Founded in 1902, Turner has a long history of delivering high-quality construction services and has been involved in a wide range of construction projects, including some of the most iconic and complex structures globally. Turner Construction Company has a reputation for delivering complex and high profile construction projects on time and within budget. Their commitment to quality, safety, sustainability, and technological innovation has made them a significant player in the construction industry both in the United States and abroad.

EXAMPLE PROJECTS

Turner has been involved in the construction and renovation of numerous hospitals and healthcare facilities. These projects often require advanced engineering solutions to meet strict medical and safety standards. For example, the construction of new wings or critical care units in hospitals, such as the HSS Belaire project in New York City, involved complex engineering and architectural work.

BUSINESS MODEL

Turner Construction Company operates within the construction and real estate industry and follows a business model tailored to meet the diverse needs of its clients. Turner Construction Company's business model revolves around its expertise in construction management, general contracting, and a commitment to delivering high-quality, sustainable, and safe construction projects. The company's vertical integration, industry knowledge, and commitment to client satisfaction are central to its success in the construction industry.

Turner

MAJORS



Civil Engineering



Electrical Engineering



Environmental Engineering



Industrial & Systems Engineering



Materials Science & Engineering



Mechanical Engineering

LINKS



Career



News



Two Sigma

ABOUT

Two Sigma is a prominent quantitative investment management firm that specializes in data-driven and technology-driven approaches to financial markets. They leverage advanced technology, data science, and mathematical modeling to make systematic and algorithmic investment decisions. Their strategies encompass statistical arbitrage, long/short equity, macro trading, and more, aiming to generate alpha across various market conditions. Two Sigma's emphasis on research, risk management, and innovation has made it a leader in the field of quantitative investing.

EXAMPLE PROJECTS

Two Sigma is known for its cutting-edge application of machine learning and AI. A significant project is their AlphaStudio, a global data science competition platform that crowdsources investment signals from data scientists and quants around the world. Two Sigma is also involved in developing quantitative trading strategies that leverage big data analytics to inform investment decisions, making them a leader in the finance-tech space.

BUSINESS MODEL

Two Sigma's business model centers on quantitative investment management and proprietary trading. They employ data-driven analysis, mathematical modeling, and advanced technology to develop and manage investment strategies, aiming to generate alpha across various asset classes. The firm also offers asset management services to institutional clients, engages in proprietary trading, and provides data services.



MAJORS

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

LINKS



Career



News



UPS



ABOUT

UPS (United Parcel Service) is a global logistics and package delivery company. It offers a wide range of services, including package delivery, freight transportation, and supply chain management. UPS is known for its extensive global network and innovative solutions in the field of shipping and logistics. They provide shipping and logistics support to businesses and individuals worldwide, helping to move packages and goods efficiently and reliably.

EXAMPLE PROJECTS

An example project at UPS involves developing an AI-driven route optimization system for last-mile deliveries. Engineers gather and analyze data, develop AI algorithms, integrate the system with existing software, and conduct testing. The project aims to reduce delivery times, minimize fuel consumption, and improve customer satisfaction by ensuring timely deliveries, demonstrating UPS's commitment to innovative and efficient logistics solutions.

BUSINESS MODEL

UPS operates on a business model focused on global package delivery and logistics services. They offer shipping solutions to individuals and businesses, utilizing an extensive transportation network, advanced technology, and supply chain management. UPS generates revenue through package delivery fees, supply chain services, and international shipping.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News





ABOUT

USAA is a financial services company dedicated to serving members of the U.S. military and their families. They offer insurance, banking, investments, and retirement planning services, with a strong commitment to exceptional customer service and financial education. USAA's reputation is built on trust, reliability, and a mission to support the unique financial needs of the military community.



EXAMPLE PROJECTS

An example project at USAA involves enhancing cybersecurity for their mobile banking applications. Engineers assess and strengthen security features, conduct testing, and develop an incident response plan to protect customer data and transactions, ensuring the safety and reliability of mobile banking services.

BUSINESS MODEL

USAA's business model revolves around providing comprehensive financial services to military members and their families. They offer insurance, banking, investments, and retirement planning, with a strong focus on customer satisfaction and financial education. USAA's commitment to the military community, digital banking, and a reputation for trustworthiness underpins their success in serving their target audience.

MAJORS

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



ABOUT

USG Corporation is a leading manufacturer of building materials and innovative construction solutions. Known for its industry-defining products like Sheetrock® brand drywall and Durock® cement boards, USG plays a critical role in the construction and renovation of residential, commercial, and industrial spaces. The company is committed to delivering high-performance, sustainable building products that enhance the safety and efficiency of modern construction.

EXAMPLE PROJECTS

USG has made significant contributions to the construction industry with the development of Sheetrock® Brand EcoSmart Panels, which are lighter in weight and made with a reduced environmental footprint, while still providing high fire resistance and durability. Another major project is USG's role in The Salesforce Tower construction in San Francisco, where their high-performance ceiling and drywall systems were used to support the building's sustainability and acoustic standards.

BUSINESS MODEL

USG's business model revolves around creating high-quality, sustainable construction materials while focusing on innovation and cost efficiency. The company caters to a wide range of clients, including architects, contractors, and builders, with a portfolio of products designed to enhance structural integrity and reduce environmental impact. USG's commitment to operational efficiency and continuous innovation helps maintain its leadership in the construction materials industry.



MAJORS



Civil Engineering



Environmental Engineering



Industrial & Systems Engineering



Mechanical Engineering

LINKS



Career



News



Veolia



ABOUT

Veolia North America is an environmental services and resource management company dedicated to providing sustainable solutions for water, waste, energy, and industrial challenges. They focus on environmental stewardship, innovation, and community engagement to address pressing environmental issues across North America.

EXAMPLE PROJECTS

The example project at Veolia North America focuses on optimizing municipal water management for a city. The project's goal is to improve various aspects of the water cycle, including supply, treatment, distribution, and wastewater management, all while prioritizing environmental sustainability. Engineers assess water sources, enhance treatment processes, reduce distribution losses, and implement efficient wastewater solutions. Community engagement is a key component, ensuring that the project aligns with the city's needs and environmental objectives.

BUSINESS MODEL

Veolia North America's business model revolves around providing sustainable environmental solutions and resource management services. They offer expertise in water treatment, waste management, energy efficiency, and industrial solutions. Their business thrives on helping communities and industries minimize environmental impact, optimize resource use, and adhere to sustainable practices. Veolia's commitment to innovation and responsible environmental stewardship underpins its success in the environmental services sector.



MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News





Verizon

ABOUT

Verizon Communications Inc. is one of the largest telecommunications companies in the world, offering a wide range of services including wireless communications, broadband, and fiber-optic solutions. Verizon's mission is to create the networks that move the world forward by delivering reliable connectivity, cutting-edge technology, and innovative solutions to consumers, businesses, and governments.



EXAMPLE PROJECTS

Verizon has been at the forefront of 5G development and deployment. A notable project is the expansion of its 5G Ultra Wideband network, which aims to deliver faster speeds, lower latency, and enhanced capacity across the United States. Additionally, Verizon has played a significant role in advancing smart city initiatives by partnering with municipalities to provide IoT-enabled solutions, improving urban infrastructure, transportation, and public safety systems.

BUSINESS MODEL

Verizon's business model is centered on delivering communication and technology solutions through its wireless, fiber-optic, and enterprise services. Their core focus is on providing reliable and scalable network services while also expanding into digital media, IoT, and smart technology markets to address evolving consumer and business needs.

MAJORS

Computer Science

Electrical Engineering

LINKS



Career



News



ABOUT

Wabtec Corporation is a global leader in innovative solutions for the transportation and logistics industries. The company specializes in providing a wide range of products and services, including locomotives, freight cars, transit systems, and various digital solutions. Wabtec's mission is to enhance the safety, efficiency, and sustainability of transportation networks worldwide. They leverage advanced technology, engineering expertise, and a commitment to innovation to address the evolving needs of the rail and transit sectors, ensuring reliable and environmentally responsible transportation solutions.

EXAMPLE PROJECTS

This project at Wabtec Corporation focuses on the development and implementation of an advanced Positive Train Control (PTC) system, representing a significant advancement in rail transportation safety. The primary objective is to engineer a PTC solution that integrates cutting-edge GPS technology, real-time data analytics, and sophisticated algorithms. This system is designed to prevent collisions, derailments, and accidents by continuously monitoring and controlling train positions, speeds, and adherence to safety protocols.

BUSINESS MODEL

Wabtec Corporation's business model revolves around providing innovative solutions for the transportation and logistics industries. They specialize in developing and manufacturing a wide range of products and services, including locomotives, freight cars, transit systems, and digital solutions.



MAJORS

 Computer Engineering

 Computer Science

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Walmart | Sam's Club

ABOUT

Walmart Inc. is a multinational retail corporation operating a chain of hypermarkets, discount department stores, and grocery stores, while Sam's Club is its membership-only warehouse club division. Together, they offer a broad array of products including groceries, apparel, electronics, home goods, and more. Walmart's mission is to help people save money so they can live better, while Sam's Club focuses on delivering exceptional value to its members through bulk buying and exclusive savings.

EXAMPLE PROJECTS

Walmart and Sam's Club have been heavily involved in the development of sustainable retail practices. A notable initiative is Walmart's Project Gigaton, which aims to reduce greenhouse gas emissions in the company's supply chain by one gigaton by 2030. Sam's Club has contributed to this effort by optimizing its packaging and logistics processes to cut down on waste and emissions. Additionally, both Walmart and Sam's Club are pioneers in adopting advanced e-commerce and supply chain technologies, including the rollout of their innovative Walmart+ membership service, which offers free delivery and fuel discounts for online shoppers.

BUSINESS MODEL

Walmart and Sam's Club operate on a volume-based business model, leveraging their massive scale to deliver low prices to consumers. Walmart focuses on a broad customer base with everyday low prices (EDLP), while Sam's Club caters to value-seeking members through bulk purchasing and member-exclusive deals. Both companies emphasize operational efficiency, global supply chain management, and increasing online presence through e-commerce platforms.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Walt Disney Imagineering

ABOUT

Walt Disney Imagineering is the creative and design arm of The Walt Disney Company, responsible for conceiving, designing, and bringing to life immersive theme park experiences, attractions, resorts, and entertainment. Their talented team of artists, engineers, architects, and designers collaborate to create the magical worlds found in Disney's theme parks and resorts worldwide. Imagineers combine storytelling, cutting-edge technology, and innovative design to transport visitors into the realms of Disney's beloved characters and stories, offering memorable and enchanting experiences for guests of all ages.

EXAMPLE PROJECTS

Interactive Dark Ride Experience, create an immersive dark ride based on a popular Disney animated film, enabling guests to actively participate in the storyline. This project involves the design and engineering of a captivating dark ride experience within a theme park attraction. Engineers are tasked with creating a ride system that seamlessly transports guests through a series of scenes while integrating interactive elements like motion-sensing technology, onboard audio, and synchronized visual effects.

BUSINESS MODEL

Walt Disney Imagineering operates within the broader business model of The Walt Disney Company. Its primary focus is on creating captivating and immersive theme park experiences, attractions, and entertainment. The business model revolves around generating revenue from theme park admissions, merchandise sales, and food and beverage offerings within the parks.



MAJORS

Aerospace Engineering

Civil Engineering

Computer Engineering

Computer Science

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Waymo

ABOUT

Waymo is an autonomous driving technology company and a subsidiary of Alphabet Inc., Google's parent company. It was founded in 2009 as Google's self-driving car project and rebranded as Waymo in 2016. Waymo develops self-driving technology using advanced sensors, machine learning, and artificial intelligence to create fully autonomous vehicles. The company has tested its autonomous systems in a variety of environments and is working on commercializing its technology through Waymo One, a ride-hailing service, and Waymo Via, which focuses on autonomous freight and delivery.

EXAMPLE PROJECTS

Waymo's key projects include Waymo One, an autonomous ride-hailing service currently operating in select U.S. cities, and Waymo Via, which focuses on self-driving trucks for freight and delivery. They have extensively tested their technology on public roads, including complex urban environments, and partnered with logistics companies to explore autonomous delivery solutions. These projects demonstrate Waymo's commitment to advancing self-driving technology for both passenger transport and commercial logistics.

BUSINESS MODEL

Waymo's business model focuses on commercializing autonomous driving technology through two main services: Waymo One, a ride-hailing service, and Waymo Via, which targets the logistics and freight industry. Waymo generates revenue by offering fully autonomous rides in select areas and partnering with businesses for autonomous delivery and transport. Additionally, they license their self-driving technology to automotive manufacturers and explore strategic partnerships to integrate their systems into various industries.



MAJORS

- Computer Engineering
- Computer Science
- Electrical Engineering
- Mechanical Engineering

LINKS



Career



News



Wells Fargo



ABOUT

Wells Fargo is a major financial institution headquartered in the United States. It is a diversified financial services company that provides banking, investment, mortgage, and consumer financial services to individuals, businesses, and institutions. Wells Fargo operates a vast network of branches and ATMs across the country and offers a wide range of financial products, including checking and savings accounts, loans, credit cards, investment services, and wealth management.

WELLS FARGO

EXAMPLE PROJECTS

The Wells Fargo example project focuses on enhancing the security of its online banking platform. The primary goal is to fortify user authentication methods by incorporating advanced biometric authentication and multi-factor authentication (MFA) options. By implementing these robust security measures and continuously monitoring for suspicious activities, the project aims to reduce the risk of unauthorized access and fraudulent transactions.

MAJORS

Computer Engineering

Computer Science

Industrial & Systems Engineering

BUSINESS MODEL

Wells Fargo's business model revolves around providing a wide range of financial services to individuals, businesses, and institutions. As one of the largest and oldest banking institutions in the United States, its core offerings include traditional banking services such as checking and savings accounts, loans, mortgages, and credit cards. They also offer investment and wealth management services, insurance, and commercial banking solutions.

LINKS



Career



News





WEX Inc.

ABOUT

WEX, Inc. (formerly Wright Express) is a global provider of payment processing, financial technology, and services tailored to business sectors such as fleet, corporate travel, and healthcare. Founded in 1983 and headquartered in Portland, Maine, WEX offers payment solutions, fleet management tools, and corporate card services to help businesses optimize their operations, manage expenses, and streamline payment processes. The company's key offerings include fuel cards, travel and expense management, and benefit solutions for healthcare. WEX is known for leveraging technology to deliver data-driven insights that help its clients make informed financial decisions.

EXAMPLE PROJECTS

WEX, Inc. has led projects like developing advanced fuel card systems that integrate with telematics for fleet management, creating payment platforms for healthcare accounts (HSAs, FSAs), and offering virtual card solutions for corporate travel to streamline expenses and reduce fraud. These initiatives highlight WEX's commitment to using technology to improve business efficiency across industries.

BUSINESS MODEL

WEX, Inc. operates by offering payment processing and financial technology solutions for businesses in fleet management, travel, and healthcare. It earns revenue through transaction fees, subscriptions, and data analytics. By providing tools like fuel cards, corporate payment systems, and healthcare platforms, WEX helps clients manage expenses and optimize operations, creating value through technology-driven solutions.



MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

LINKS



Career



News



Whiting-Turner

ABOUT

The Whiting-Turner Contracting Company, commonly referred to as Whiting-Turner, is a prominent construction management and general contracting firm based in the United States. Founded in 1909, the company has a long history of delivering a wide range of construction projects across various sectors. Whiting-Turner is known for its commitment to quality, safety, and innovation in the construction industry. Whiting-Turner Contracting Company's dedication to quality, safety, and innovative construction practices has made it a well-regarded player in the construction industry. The company's commitment to delivering complex and high-profile projects while adhering to sustainability and environmental standards has contributed to its strong reputation in the field.

EXAMPLE PROJECTS

Whiting-Turner has been involved in the construction of hospitals, medical centers, and healthcare facilities. These projects often require advanced engineering solutions for medical equipment integration, safety compliance, and HVAC systems.

BUSINESS MODEL

The Whiting-Turner Contracting Company, often referred to simply as Whiting-Turner, is a prominent construction management and general contracting firm in the United States. The company's business model centers on delivering construction services across a wide range of sectors and project types. The company's vertical integration, industry knowledge, and dedication to client satisfaction contribute to its success in the construction industry.



MAJORS

 Civil Engineering

 Electrical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Materials Science & Engineering

 Mechanical Engineering

LINKS



Career



News



Woodward



ABOUT

Woodward, Inc. is a leading global provider of control system solutions for various industries, including aerospace, industrial, and energy. The company specializes in designing and manufacturing advanced technologies that optimize the performance, efficiency, and safety of complex machinery and systems. Woodward's products and systems are integral to applications such as aircraft propulsion, power generation, and industrial automation. They are known for their expertise in controls, fuel systems, and motion control solutions, contributing to the reliable and sustainable operation of critical equipment and machinery worldwide.

EXAMPLE PROJECTS

Development of Next-Generation Aircraft Engine Control System. In this project, engineers at Woodward, Inc. are tasked with creating an advanced control system for aircraft engines. The objective is to improve the overall efficiency and reliability of aircraft propulsion by developing a control system that monitors and adjusts engine parameters in real time. This includes optimizing fuel injection, managing engine temperature, and ensuring safe and smooth operation during takeoff, cruising, and landing.

BUSINESS MODEL

Woodward, Inc.'s business model centers on providing advanced control system solutions for industries such as aerospace, industrial, and energy. The company designs and manufactures innovative technologies that optimize the performance, efficiency, and safety of complex machinery and systems.



WOODWARD

MAJORS

 Aerospace Engineering

 Computer Engineering

 Computer Science

 Electrical Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



World Wide Technology

ABOUT

World Wide Technology (WWT) is a global technology solutions provider based in St. Louis, Missouri. Founded in 1990, WWT leads the AI and digital revolution with \$20 billion in annual revenue. The company combines strategy, execution, and partnership to accelerate digital transformation for large public and private organizations. Through its Advanced Technology Center, WWT helps clients conceptualize, test, and validate innovative technology solutions.



World Wide Technology

EXAMPLE PROJECTS

WWT has collaborated with major tech companies like Cisco, Dell, and Microsoft to develop cutting-edge solutions in cloud computing, data analytics, and AI. Their Advanced Technology Center serves as a hub for engineers and partners to innovate and deploy technology at scale.

BUSINESS MODEL

WWT operates on a partnership-driven model, focusing on delivering comprehensive technology solutions. Their approach includes warehousing, distribution, and integration capabilities to ensure seamless deployment of advanced technologies globally.

MAJORS

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



ABOUT

WSP is a globally recognized professional services and consulting firm that specializes in a wide array of engineering, design, and environmental consulting services. Their extensive project portfolio spans infrastructure, transportation, buildings, and environmental initiatives. The company is committed to sustainability and resilience, often integrating green practices into their projects.

EXAMPLE PROJECTS

WSP's involvement in the One World Trade Center project, also known as the Freedom Tower, exemplifies its expertise in engineering and design. This iconic project aimed to rebuild the World Trade Center site following the 9/11 attacks and serves as a symbol of resilience and hope. WSP provided structural and building services engineering, contributing to the tower's iconic design, sustainability, and safety features.

BUSINESS MODEL

WSP's business model is centered around providing comprehensive professional services in engineering, design, and environmental consulting on a global scale. Their multidisciplinary expertise spans various sectors, with a strong emphasis on sustainability, innovative solutions, and client collaboration.



MAJORS



Civil Engineering



Environmental Engineering



Electrical Engineering



Mechanical Engineering

LINKS



Career



News



Yello



ABOUT

Yello is a recruiting software company that specializes in talent acquisition solutions. They provide a comprehensive platform for organizations to streamline their recruitment processes, improve the candidate experience, and optimize hiring from application to onboarding. Yello's services include candidate relationship management, campus and event recruiting tools, recruitment analytics, and seamless integration with other HR systems.

EXAMPLE PROJECTS

Yello partners with a multinational corporation on a project to digitally transform their campus recruiting efforts. This initiative involves integrating Yello's talent acquisition software into the company's existing systems and streamlining candidate sourcing, engagement, and virtual career fairs. Yello's platform provides tools for analytics, feedback collection, and process enhancement, resulting in increased efficiency, improved talent acquisition, and a positive candidate experience.

BUSINESS MODEL

Yello's business model revolves around providing talent acquisition and recruitment software solutions to organizations. They generate revenue through subscription-based pricing for their cloud-based SaaS platform, often customized and integrated to suit the specific needs of each client.

MAJORS

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

LINKS



Career



News



Zoox

ABOUT

Zoox is an autonomous vehicle technology company that specializes in the development of electric, self-driving robo-taxis. Their vision is to provide a mobility-as-a-service platform that offers convenient and sustainable urban transportation solutions. Zoox's advanced technology, emphasis on passenger safety and comfort, and the focus on sustainability align with their goal of transforming urban mobility.

EXAMPLE PROJECTS

Zoox embarks on a significant project to launch an urban autonomous ride-hailing service in collaboration with a major metropolitan city. The initiative involves deploying a fleet of autonomous electric vehicles, developing a user-friendly consumer app, and ensuring rigorous safety and regulatory compliance. Zoox places a strong focus on the passenger experience, data analysis, and sustainability, with an aim to reduce traffic congestion and enhance mobility within the city.

BUSINESS MODEL

Zoox's business model centers on providing an autonomous ride-hailing service where customers can book rides in self-driving electric vehicles. They offer various pricing models, including subscriptions and pay-per-use options, while also owning and managing the vehicle fleet. Safety and regulatory compliance, data monetization, partnerships, and sustainability contribute to their revenue streams.

ZOOX

MAJORS

-  Aerospace Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Mechanical Engineering

LINKS



Career



News



ZS Associates Inc.



ABOUT

ZS is a global management consulting and technology firm specializing in transforming healthcare and beyond through analytics and data-driven solutions. Founded in 1983 by Prabha Sinha and Andy Zoltners, ZS leverages its expertise to help clients make intelligent decisions and improve outcomes.



MAJORS

 Biomedical Engineering

 Computer Science

 Industrial & Systems Engineering

EXAMPLE PROJECTS

ZS has been instrumental in optimizing salesforce strategies for pharmaceutical companies, enhancing market access and patient engagement. They have also developed advanced analytics platforms to streamline operations across various industries.

BUSINESS MODEL

ZS operates on a client-centric model, focusing on combining science with hands-on experience to solve complex business challenges. Their services span strategy, technology, analytics, and operations to deliver impactful results.

LINKS



Career



News

