

ADRIANA CABALLERO

ARCHITECT - More with less

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ABOUT ME

> Introduction:

I believe the next frontier of engineering is not only about building better, it's about building smarter, through the convergence of technology, data and business value.

Throughout my career, I have been driven by the principle: **more with less**, transforming complex technical challenges into clear, scalable, and actionable strategies.

My expertise sits at the intersection of **BIM, Digital Engineering, Data Science, and Productization, with a focus on monetizing data-driven insights across the full asset lifecycle**, from design and construction to asset performance and strategic decision-making.

Currently, I serve as BIM Engineering Solutions Global Product Leader at Bureau Veritas, leading the global scaling of digital engineering services, integrating advanced BIM methodologies, Digital Twin technologies, and data-centric frameworks across international markets.

I am passionate about enabling organizations to leverage **data not just for operational efficiency, but as a strategic asset** that drives new business models, sustainable growth, and long-term value creation.

Always curious. Always learning. Always focused on delivering clarity, impact, and innovation where technology meets business.

> Global Experience and Sector Expertise:

Proven track record delivering digital engineering and asset management solutions across 15 countries, including Europe, North America, Latin America, Asia, and the Middle East. Global project experience includes Spain, USA, China, Brazil, Chile, Argentina, Peru, Nicaragua, Dominican Republic, Canada, Andorra, Denmark, Croatia, Romania, and UAE.

Industry experience spans logistics, industrial assets, commercial real estate, education, healthcare, government infrastructure, pharmaceutical facilities, waste management, hospitality, sports, mixed-use developments, and urban planning. Always combining technical expertise with business-driven outcomes and cross-cultural leadership.

WORK EXPERIENCE

MAY 2025 - **ON GOING**

Bureau Veritas

Av. Francesc Macià, 60, 3^a planta. 08028, Sabadell, Barcelona, SPAIN

>> BIM Engineering Solutions Global Product Leader

> About the job:

1- Global Strategy & Business Leadership

- Global leadership of BIM Engineering Solutions across Bureau Veritas B&I Business Line, scaling digital engineering services in collaboration with Operating Groups, Corporate leadership, and the IDP Center of Excellence.
- Development of global BIM strategies, harmonizing advanced methodologies, digital standards, and scalable delivery frameworks worldwide.
- Engagement with public authorities, financial institutions, and key stakeholders to position Bureau Veritas as a reference in Digital Engineering & Asset Performance.

2- Digital Integration & Innovation

- Integration of Digital Twin technologies, data-driven asset management, and advanced BIM to optimize asset performance and client value.
- Internal innovation ambassador, fostering collaboration across global multidisciplinary teams to continuously evolve BV's digital services portfolio.

3- Commercial & Business Development

- Direct support to global commercial teams for strategic tenders, technical proposals, and high-value international projects.

4- Delivery Operations & Quality

- Oversight of BIM documentation, technical service packages, pricing models, and delivery playbooks, ensuring global consistency.
- Management of multiple strategic projects, driving alignment across regions while ensuring technical excellence.

> Key Global Initiatives & Impact

Leading the global scaling and harmonization of BIM Engineering Solutions across Bureau Veritas, with a strategic focus on high-growth verticals such as advanced manufacturing, airports, hyperscale data centers, and infrastructure megaprojects.

Development and deployment of global BIM standards, data structures, and delivery frameworks, ensuring technical consistency, operational excellence, and global scalability.

Establishment of the Global BIM Center of Excellence under IDP to drive innovation, cross-regional knowledge sharing, and global BIM execution quality.

Design of data governance models enabling data monetization through predictive maintenance, operational risk mitigation, and integration of Digital Twin solutions across assets and markets.

Strategic contribution to global tenders and technical commercial proposals for high-value international projects, supporting BV's global business development efforts.

Development of regional expert networks (Mexico, China, USA, Middle East, Europe) to strengthen global BIM execution capacity and cross-functional collaboration.

Evaluation of inorganic growth opportunities to accelerate BV's differentiation in the Digital Twin and Smart Asset Management space.

JULY 2022 - APRIL 2025

IDP Ingeniería, Medio Ambiente y Arquitectura

Av. Francesc Macià, 60, 3ª planta. 08028, Sabadell, Barcelona, SPAIN

>> Consultancy, Processes & Quality Director

> About the job:

1- BIM Strategy, Standards, and Compliance:

- Develop and implement BIM strategies aligned with IDP's global objectives.
- Oversee BIM standards, guidelines, and workflows across all projects.
- Ensure compliance with industry and project-specific BIM requirements.
- Prescribe and update IDP's BIM protocols and resources.

2- Technology Integration and Innovation:

- Lead the adoption and integration of advanced BIM technologies, including AI, digital twins, and IoT.
- Develop company-wide technology strategies to foster innovation.
- Champion cutting-edge methodologies and digital tools in workflows.
- Conduct R&D to keep IDP at the forefront of AEC technology.

3- Team Leadership and Project Management:

- Direct and mentor the CPC Department, ensuring strategic guidance and growth.
- Facilitate collaboration to align BIM processes with project goals.
- Oversee large-scale projects, ensuring timely and budget-compliant delivery.

4- Data Management and Analytics:

- Lead data management, utilizing BIM data for simulations, analysis and audits.
- Develop data strategies to enhance decision-making and optimize performance.

5- Stakeholder Engagement and Communication:

- Serve as a key liaison, ensuring effective communication of BIM processes.
- Collaborate with contractors, design teams, and end-users to integrate BIM objectives.

6- Cross-Disciplinary Innovation and Collaboration:

- Foster a culture of learning and collaboration within IDP and the AEC community.
- Promote cross-disciplinary collaboration to improve project outcomes.

> Outstanding Projects:

BIM Design and Construction Management of the Logistics Base of the Spanish Army (BLET) project in Córdoba, a €350 million development spanning 85 hectares and over 30 buildings across five functional areas, commissioned by the Spanish Ministry of Defense.

BIM Design and Construction management of [Kronospan](#)'s wood panel manufacturing plant in Tortosa (Tarragona), the largest industrial project in Catalonia in 2022, with an investment exceeding €350 million and over 100,000 m² of built area.

Technical assistance for the implementation of GIS and BIM methodologies at the [Port Authority of Cartagena](#) (APC), equipping APC with the knowledge, methodologies, and tools for BIM and GIS technology, ensuring comprehensive asset lifecycle management.

BIM Design and Construction management of [Lotte Energy Materials](#)' first European factory in Mont-roig del Camp (Tarragona). €400 million facility covering 140,000 m² in its first phase, producing 30,000 tons of copper foil annually for lithium battery cells.

Digitalization of the [Environmental Center of the Gipuzkoa Waste Consortium](#) (GHK) in the Basque Country. Point Cloud surveying, BIM modeling, and implementation of the Digital Twin platform connected to Facility Management to optimize operations, improve maintenance, and reduce costs. 10,000 P&ID TAGs and 130 systems digitalized.

BIM Project Management for the expansion of the [Roche Suzhou Site](#).

>> BIM Manager | IDP Group

> About the job:

1- BIM Strategy and Project Leadership:

- Lead BIM strategy development and implementation, establishing standards across national and international AEC projects.
- Manage full lifecycle BIM projects from conceptual design to delivery and maintenance, optimizing systems for scalability and support.
- Provide BIM consultancy to construction companies and property owners, delivering strategic insights for project execution.

2- Technology Integration and Innovation:

- Coordinate the adoption of advanced BIM systems, developing technical solutions using Revit and Autodesk Platform Services.
- Implement new BIM technologies, balancing innovation with practical applications to enhance project outcomes.
- Ensure BIM software and infrastructure meet evolving project needs, driving innovation with LEAN methodologies.

3- Stakeholder Collaboration, Client Relations, and Bidding:

- Lead technical and legal assessments during the bidding phase, ensuring accurate scope, resources, and cost estimation.
- Collaborate with the Commercial Department on bids for complex projects.
- Maintain strong client relationships, aligning BIM processes with project goals and facilitating communication throughout.

4- Team Leadership, Training, and Recruitment:

- Develop and deliver BIM training programs to enhance skills and proficiency in workflows.
- Lead the evaluation of BIM candidates through a standardized exam, ensuring high-quality hires.
- Collaborate with HR on staff selection and lead the IDP BIM Committee, driving innovation.
- Oversee the IDP BIM training program and certification process, facilitating ongoing learning.

5- Information Management and Quality Control:

- Oversee information management, integrating metadata with asset databases for data-driven decision-making.
- Manage BIM model creation, coordination, and quality control, ensuring accuracy across all disciplines.

> Outstanding Projects:

BIM Construction Management for the development of new offices, refurbishment of existing facilities, and the Diagnostics Laboratory of [Sant Cugat del Vallès Roche Site](#).

BIM technical assistance on site for the PREWORKS I-II project of the Camp Nou del [Fútbol Club Barcelona](#).

BIM Engineering for AIRE Ancient Baths Copenhagen at [Ny Carlsberg Vej 101](#), in collaboration with [Arkitema Office](#).

BIM implementation in GOA (Grupo Amancio Ortega), a subsidiary Construction Company of the [INDITEX GROUP](#), for Bershka stores.

BIM Civil Engineering of [Blanes-Lloret branch of C-32](#) highway for [ABERTIS AUTOPISTAS ESPAÑA](#).

BIM MEP As-Built of [Denver International Airport](#).

BIM implementation at [BSM](#) (Barcelona Serveis Municipals): Internal reorganization, drafting of bidding documents and staff training.

BIM Design and Construction Management of [Freshly Cosmetics](#)' new logistics center in the 'La Plana' industrial park in Gandesa (Tarragona). The €5 million, 14,000 m² facility supports operations growth, processing over one million orders annually across Europe, America, and Asia.

BIM 3D modeling and 4D construction simulation of the tailings dam at Quebrada Blanca open-pit mine in the Tarapacá region of Chile. The dam is 641 m long, 120 m high, and 350 m at the base.

[Puig Tower in Plaza Europa](#), l'Hospitalet de Llobregat (Barcelona). 21,000 m² sustainable office tower, 20 floors. BIM Project Management, BIM Construction Management services.

BIM Project Management and Detailed Engineering services for multiple [ROVI](#) projects, including building extensions at the Alcalá de Henares plant, architectural and structural adaptations of warehouses and detailed engineering and project management for the Glicopepton Biotech facility in Fraga (Huesca).

BIM Project Management and Construction Management for large-scale logistics centers, including facilities for handling, storage, and distribution for clients such as Amazon, Goodman, LIDL, Mercadona, among others. Air cargo terminals and logistics hubs up to 35,000 m². LEED®, BREEAM, and/or WELL certifications.

NOVEMBER 2018 - JUNE 2022

[BIMzeED](#) - Education for zero energy buildings using BIM

[CIM-UPC BARCELONATECH](#)

C/ Llorens i Artigas 12, 08028 Barcelona, SPAIN

>> Technical Manager | BIMzeED European Project

> About the job:

- Manage the European project BIMzeED, focused on education for zero energy buildings (nZEB) using BIM methodology.
- Determine the training needs for the current and future construction industry in nZEB buildings developed with BIM.
- Oversee the implementation and coordination of project activities, ensuring alignment with the objectives of the Erasmus+ program co-financed by the European Union.
- Collaborate with industry stakeholders and academic institutions to integrate BIM into energy-efficient building practices.

JULY 2014 - DECEMBER 2017

[IDP Ingeniería, Medio Ambiente y Arquitectura](#)

Av. Francesc Macià, 60, 3ª planta. 08028, Sabadell, Barcelona, SPAIN

>> BIM Coordinator | Architecture Department of IDP Sabadell Offices

> About the job:

- Coordinate BIM projects in Spain, Brazil, Chile, Peru, Nicaragua, Croatia, and Romania.
- Manage BIM within various AEC sectors, including commercial, logistics, education, healthcare, industrial, and waste management facilities.
- Facilitate communication between architects, engineers, and contractors to ensure proper model alignment and integration.
- Monitor milestones and deliverables to ensure BIM models meet standards and timelines.
- Lead clash detection and coordination reviews, resolving conflicts between architectural, structural, and MEP models.

- Manage data integration and smart object metadata to enhance efficiency and decision-making.
- Provide technical support for BIM issues, guiding teams in resolving discrepancies and optimizing workflows.
- Ensure compliance with BIM execution plans and industry standards for consistent project deliverables.
- Conduct BIM audits to verify model accuracy, quality, and adherence to project specifications.

FEBRUARY 2009 – JULY 2012

GAM S.L. Consultoria General d'Edificació

C/Madrado 31, local 1. 08006 Barcelona, SPAIN

>> Architect

> About the job:

- Lead the design of multi-family and single-family housing projects in Spain and the Dominican Republic.
- Assist in the development of construction planning for contractors, ensuring efficient execution and project management.
- Conduct energy studies for façade rehabilitation, focusing on improving energy efficiency and sustainability.

> Outstanding Projects:

- Chief Architect of 3 residential buildings, of a total of 60 homes in Lepanto Street in Barcelona, a single family house in Sant Vicenç de Montalt, the renovation of Antic's Forn Restaurant and the urban development of 500 Housing Project in Santo Domingo, Dominican Republic.
- Energy study of the Façade renovation of the municipal swimming pool of Ordino, Andorra.
- Development of [site construction simulation](#) of the structure of the New Toyo Ito Auditorium for the Convention Center "Fira de Barcelona", and the extension of Sant Joan de Déu Hospital.
- Professional [portfolio](#) design of the Company.

MAY 2008 - DECEMBER 2008

SCB. Solomon Cordwell Buenz

Architecture, Interior Design, Planning

625 N. Michigan Avenue, Chicago IL 60611 USA

>> **Full-time internship at the Urban Planning Department**, working on the development of the new Capital City of Abu Dhabi, in a multidisciplinary team led by Christine Carlyle, Principal and Planning Director of the firm.

> About the job:

- Contribute to the urban development of the [new Capital City of Abu Dhabi](#) within a multidisciplinary team.
- Collaborate on master planning, zoning, and infrastructure design for large-scale urban projects.
- Prepare project documentation and materials for client presentations, ensuring clear communication of design plans.
- Design and present various urban planning options to Abu Dhabi stakeholders, demonstrating innovative solutions and the team's progress.

SPRING 2007

Pich-Aguilera

C/Ávila 138 4r 1ª. 08018 Barcelona, SPAIN

>> Collaboration in an interdisciplinary team for the international competition “Greater Helsinki Vision 2050”.

TEACHING EXPERIENCE

OCTOBER 2016 - JUNE 2022

MASTER MER

CIM-UPC BARCELONATECH

C/ Llorens i Artigas 12, 08028 Barcelona, SPAIN

>> Co-director of Master Degree in Digital Building for 3D Modeling and Construction

> About the job:

- Co-direction of the Postgraduate Program in Design Systems Optimization for the Master's in Digital Building for 3D Modeling and Construction at the CIM Foundation.
- Oversee the 2-year, 4-semester program, including coursework and the final Master's Degree Project.
- Coordination of over 20 professors and industry professionals, ensuring a cohesive and streamlined learning journey across the curriculum.
- 6 consecutive editions teaching the Master's program, with a focus on digital building, 3D modeling, and construction methodologies.
- Preparation and delivery of 10 hours of weekly classes mainly focused on practical applications.
- Spearhead curriculum development, ensuring alignment with industry advancements to equip students for leadership roles in digital construction.

SEPTEMBER 2009 - OCTOBER 2016

Espai Polivalent - Cofeb

C/ Joan Obiols, 08012 Barcelona, SPAIN

>> Teacher of Algebra, Calculus and Statistics Subjects of Architecture and Engineering Degrees of UPC

- > Mathematical Foundations of Building Engineering Degree of EPSEB.
- > Statistics of Building Engineering Degree of EPSEB.
- > Mathematics I and Mathematics II of Architecture Degree of ETSAB.
- > Graphic Tools for Architects. Revit/ Basic AutoCAD / Sketchup / Photoshop.

SEPTEMBER 2010 – JUNE 2015

EPSEB – UPC Escola Politècnica d'Edificació de Barcelona

Av/ Doctor Marañón 44-50, 08028 Barcelona, SPAIN

>> Guest Lecturer at “Sustainable Construction” subject of EPSEB
Energy consumption simulation of buildings

> About the job:

- Provide hands-on instruction on optimizing building energy performance through BIM tools, promoting sustainable design.
- Guide students in applying BIM techniques to real-world scenarios, enhancing their understanding of energy-efficient construction.
- Support the integration of sustainability principles into the curriculum through BIM applications.

EDUCATION

APRIL 2025 - ON GOING

Master's in AI: Business & Innovation

Nuclio Digital School | EUNEIZ University (Vitoria-Gasteiz University)

OCTOBER 2020 - MARCH 2021

Postgraduate Degree, MEP | Dynamic Systems Analysis in Building Construction

CIM-UPC BarcelonaTech

NOVEMBER 2013

Final Delivery of **Architectural Degree Project**:

Lego Housing Buildings at Pl. Comín, Barcelona.

Lluís Moya's Committee.

First Final Degree Project applying BIM Methodology at ETSAB, entirely developed in Revit Full 2013.

ETSAB University (Barcelona School of Architecture)

SEPTEMBER 2009 - MAY 2010

Fifth year of Architecture Degree

ETSAB University (Barcelona School of Architecture)

AUGUST 2007 - MAY 2008

Fourth year of Architecture Degree under the **International Mobility Program** of The College of Architecture.

Two consecutive semesters at Dean's list.

Illinois Institute of Technology, Chicago, IL. (USA)

SEPTEMBER 2004 - JUNE 2007

First, Second, and Third Year of **Architecture Degree**

ETSAB University (Barcelona School of Architecture)

SEPTEMBER 2002 - JUNE 2004

Technological Baccalaureate Studies

CIC Cultural Institution, Barcelona

SEPTEMBER 1992 - JUNE 2002

Primary and Secondary Education

THAU School, Barcelona

LICENSES & CERTIFICATIONS

ISSUED APRIL 2025

Construction Finance Management

Columbia | Engineering

[Credential](#)

ISSUED APRIL 2025 - EXPIRES APRIL 2028

Project Management Professional (PMP)®

Project Management Institute

[Credential](#)

ISSUED DECEMBER 2024 - EXPIRES DECEMBER 2027

Certified Data Centre Professional (CDCP)®

EPI

[Credential](#)

ISSUED NOVEMBER 2024 - EXPIRES DECEMBER 2025

BREEAM® ES ASOCIADO

ITG Technology Center

[Credential](#)

ISSUED MARCH 2025

BREEAM® ES NUEVA CONSTRUCCIÓN

ITG Technology Center

ISSUED SEPTEMBER 2024

CONTRACT LAW

Harvard University

[Credential](#)

SKILLS

SOFTWARE

Revit

> 100h Course of Revit Architecture 2012 at Barcelona Activa.

> 24h Specialization Course of Revit MEP 2014 at la Salle Universitat Ramón Llull.

Dynamo

Navisworks Manage

Autodesk Construction Cloud (ACC)

Aconex

Trimble Connect

AutoCAD

Recap Pro

Lumion/ Enscape/ Arkio

Rhino/ Grasshopper

Interoperability Knowledge: Istram, Tekla, Allplan, Civil 3D

Power BI

Ms Project/ Excel

Bentley SYNCHRO

Presto/ Cost-it/ TCQ/ TCQ-BIM

Bimcollab/ Bimsync

Sketchup + VRay + Open Studio / 3D Max + VRay

Photoshop/ InDesign/ Illustrator

Digital Project/ Netlogo

Wordpress / Hootsuite/ Mailchimp/ Google Analytics

Microsoft 365/ Google Workspace

LANGUAGES

English: Full professional proficiency

Spanish: Native or bilingual proficiency

Catalan: Native or bilingual proficiency

Italian: Professional working proficiency

French: Elementary proficiency

> Test of English as a Foreign Language; Score 89 - 120 - May 2007

> University of Cambridge's First Certificate in English - May 2002

> Italian Language and Culture: Intermediate Course at Wellesley College, Massachusetts - July 2024

OTHER

> Certified Yoga Teacher (200h, Yoga Alliance) - Hatha Yoga, Pranayama, Meditation, and foundational teaching skills - September 2024

FEBRUARY 2025

[Conference](#) at the “1st Conference on BIM Implementation in the Armed Forces”, organized by the Spanish Ministry of Defence. Presented the BIM Methodology applied to the Army’s new Logistics Base in Córdoba (BLET), a strategic infrastructure developed in 85 hectares of land, comprising more than 60 buildings, coordinated through over 200 BIM models, and executed by a multidisciplinary team of 70 professionals.

APRIL 2022

[Conference](#) at the “BIM in Healthcare: Buildings that Heal” event organized by Parc Taulí University Hospital alongside professionals from Parc Taulí, CatSalut, and various industry companies, to discuss the current state of BIM in the healthcare sector.

NOVEMBER 2019

[Conference](#) at Smart City Expo World Congress presenting the BIM Model of the extension of the C-32 highway.

JUNE 2018

[Conference](#) at the “Stations of the Future: Cities and Stations” seminar organized by Ferrocarrils de la Generalitat de Catalunya, discussing the impact of intermodal stations on urban areas and the role of BIM methodology in optimizing infrastructure efficiency, stakeholder integration and risk management.

JULY 2017

[Conference](#) at the “BIM 360º: An Integral Vision” program organized by Col·legi d’Enginyers de Camins, Canals i Ports de Catalunya. Delivered a presentation on “Risks and Value Contributions in the Infrastructure Lifecycle”, discussing key industry trends and transformations with civil engineering experts.

APRIL 2017

[Presentation](#) of a study case at the International BuildingSmart Summit, discussing the use of BCF (BIM Collaboration Format) to improve issue management during the design and construction phases. The event brought together over 300 global experts to share knowledge and advance international BIM standards and processes.

NOVEMBER 2014

Presentation of the Project “Sustainable Hermeneutics” in the fourth call of the Repsol Foundation’s Entrepreneurs Fund, under the motto “Midiendo ahorramos todos” in conjunction with MSI Company.

MARCH 2012

Publication of the proposal of a vertical urban transformation of a neighborhood in Sao Paulo city center, under the motto “Vertical Slums”. Architecture Subject “Learning from Sao Paulo” taught by Maria Rubert de Ventós and Àlex Giménez Imirizaldu.

JUNE 2009

Finalist project in the International Competition “Around the World in 80 gardens” under the motto “The Power of Drops” at the Internationale Gartenschau Hamburg.

MAY 2008

Lecturer at “The American Institute of Architects”, AIA, of the research and the proposal for a new sustainable city on Chongming Island, China, under the supervision of Dr. Harry Mallgrave.
Sponsored by the “International Center for Sustainable New Cities”.

FEBRUARY 2008

Publication of the project presented in the 2G Magazine competition titled “Venice Lagoon Park”, in the Studio directed by the architects Julie Flohr and Ross Wimer (Design Partner in the Chicago Office of Skidmore, Owings and Merrill LLP).

JUNE 2004

Publication of the refurbishment of a PobleNou public square, carried out in the subject of Projects I and Projects II in ETSAB.