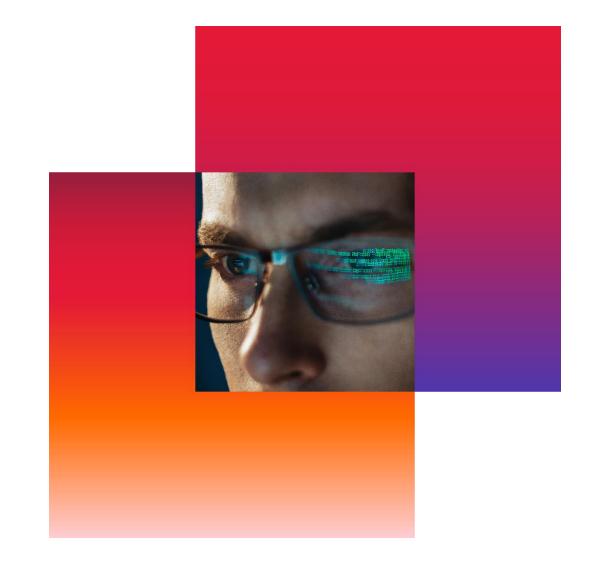
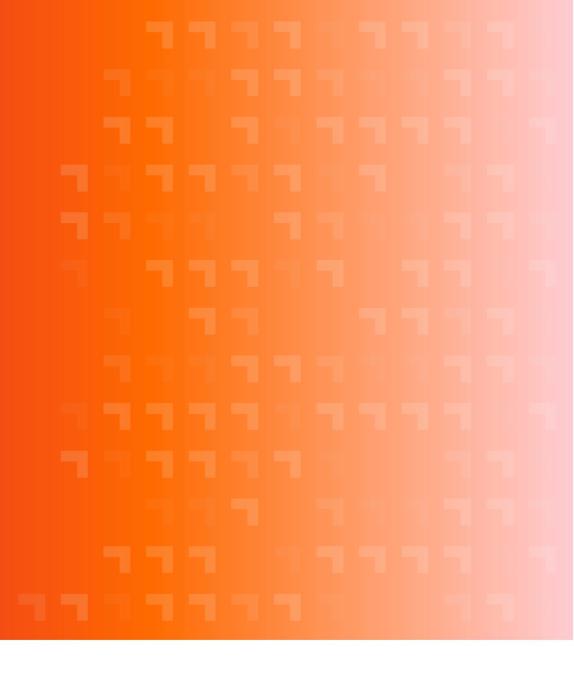
12 weeks to Al

July 2024





Industry Trends



Al Trends



Only 53% of Al projects make it from pilot to Production. This is due to Al projects being hard to scale and companies not having experience in Al/ ML Ops

Gartner



Only between 11-14% of medium and large sized organizations have deployed AI/ML models in Canada IDC



Of executives believe they won't achieve their growth objectives unless they scale AI

Accenture



Generative AI is at the peak of inflated expectations. This means there is an extremely high risk of unproductive projects and no realization of ROI or lack of satisfaction

Gartner

70%

By 2025, 70% of enterprises will identify the responsible and ethical use of Al among their top concerns

Gartner



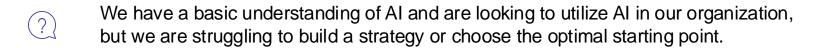
Over 60% of companies struggle to hire AI data scientists, ML engineers and AI product managers

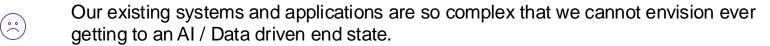
McKinsey

Challenges
that
enterprises
face while
trying to
navigate their
Al Journey

B

2000





The business has identified several AI use-cases but we do not have a framework or methodology to strategically prioritize and maximize value.

It is unclear how our competitors are using AI and how should we should adopt AI to remain competitive and stay ahead.

We are an in the middle of our Al journey and have implemented multiple small-scale ML POCs and use cases — but feel our approach is siloed and can't fully operationalize them at scale.

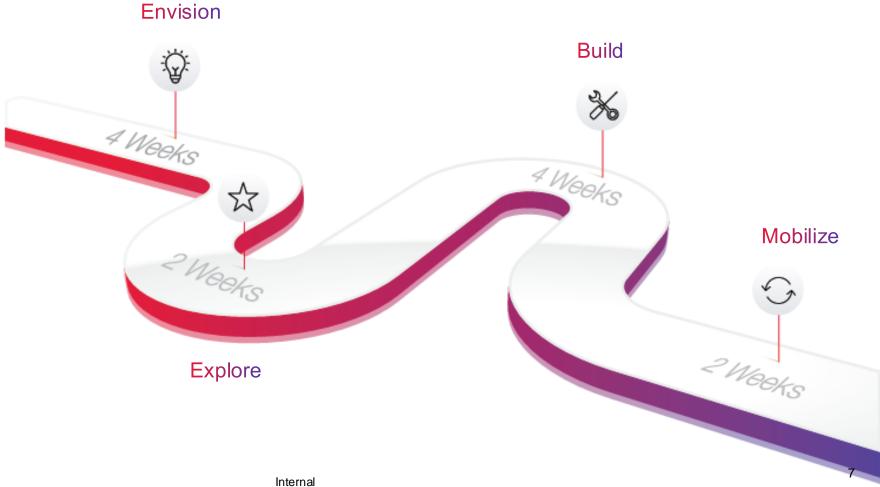
We are an experienced AI-driven business with most models productized but need help with advanced drift analysis or MLOps.

With the risks posed by Generative AI, how do we apply our privacy and security policies? What are the right guard rails to develop responsible AI practices?

My organization does not have enough certified & experienced Data Scientists and Al Architects to properly build and scale our Al solutions.

Responsibly going from Zero to Al in less than a quarter

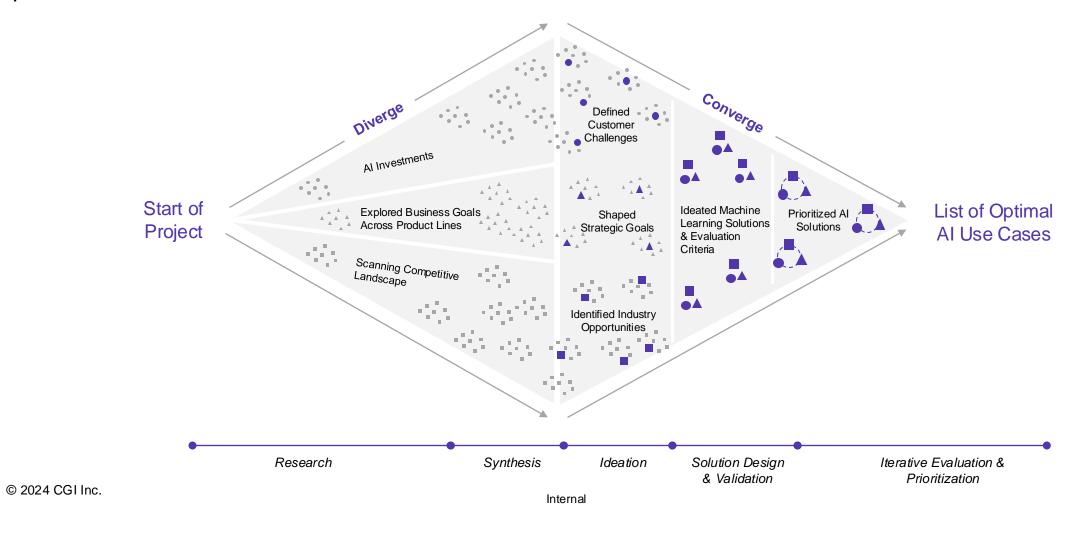
Driving continuous value through your Al **Adoption**





Envision

Our team collaborates with key stakeholders across your product teams to generate ideas and identify optimal AI solutions:

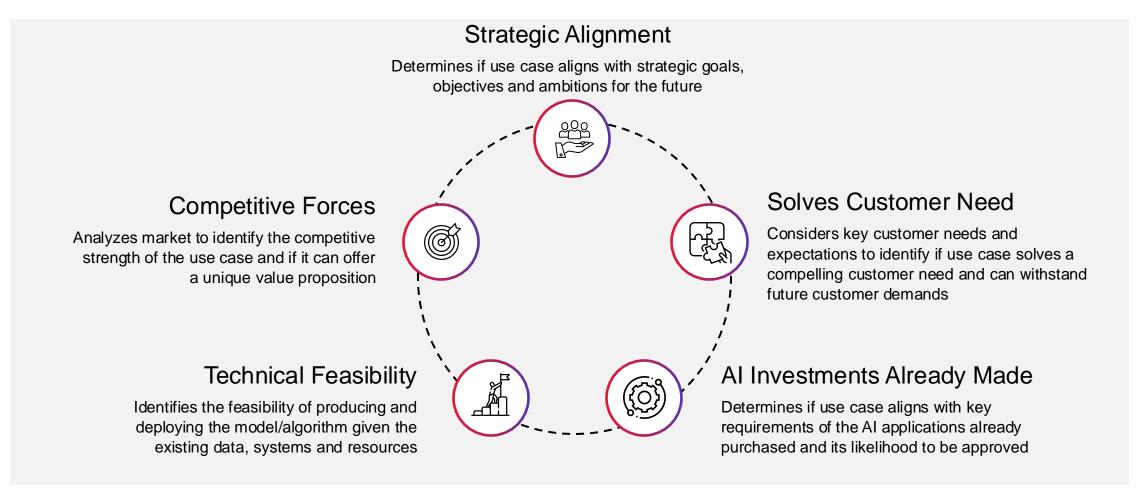




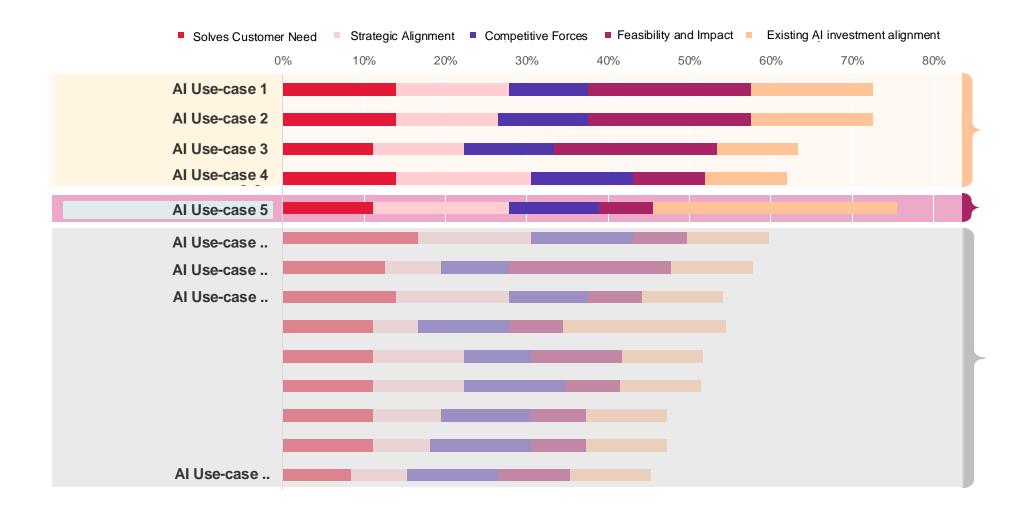


Explore

Using industry best practices and CGI's Artificial Intelligence expertise, the team identifies key dimensions that help identify optimal use case candidates.



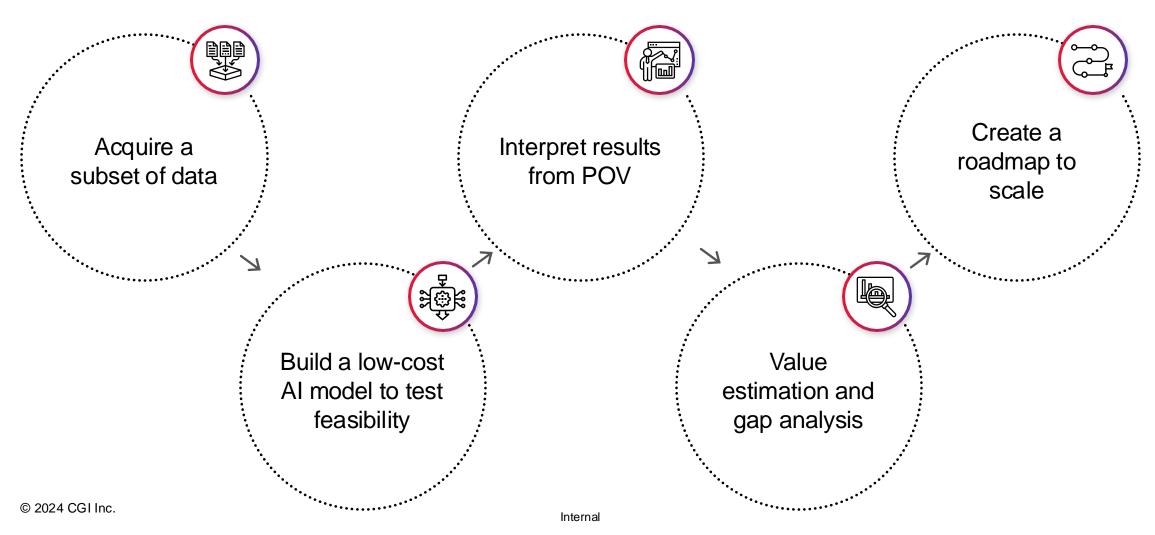
Prioritization Output





Rapid prototyping and roadmap to scale

Build and test the shortlisted optimal artificial intelligence use cases and build a roadmap to scale



Benefits and Outcomes



Benefits

Structured Proven Approach

- Following a structured, collaborative approach that defines your AI path to production
- Unlock your data's value and AI potential producing measurable business outcomes

Test Before You Invest

- Build AI models to test the top use cases leveraging your actual data
- CGI's iterative approach to AI model validation minimizes risk and cost



Build Responsibly and Re-use

- Responsible AI, baked in, not bolted on
- Build reusable models focused on minimizing time to market and enabling scale

Expedite Buy-in

- Confidently provide answers to leadership of expected ROI
- Build your business case based on validated results and a clear vision to production

Why CGI's 12 weeks to AI works



Proven industry experience partnering with AI experts

We bring significant industry and AI expertise to co-create an optimal and validated AI roadmap. We focus on the required people, process and technology changes required to scale AI successfully at your organization



Repeatable outcomes

Our goal is to leave your team with a repeatable approach. Our prioritization framework helps teams identify and implement future AI opportunities with clear expected outcomes and measurable success criteria



Leveraging your organization's data, responsibly

Our approach tests the top use cases with actual organizational data. The models that are developed and tested always start with responsibility baked in throughout the process

Why Customer's Trust Us

600+

Canadian certified and experienced Data and Al professionals for AWS, Azure and Google Over

Four Decades

delivering enterprise-class services with a focus on delivering business outcomes

Recognized as a

Leader

in IDC's 2022 Canadian Al Services MarketScape Report

No matter our client's

Al Maturity

we meet them where they are and focus on delivering value throughout the engagement We go

Beyond the Hype

and demystify AI for our clients, prioritizing use cases with clear and measurable impacts

Case Study



CASE STUDY



Enhancing fraud detection accuracy using Al

The client was the Commercial Banking business of one of the largest Canadian banks. Their IT team was responsible for Fraud detection and mitigation.

The client were looking to enhance existing architecture and ML technology stack to transition towards advanced Machine Learning techniques (Unsupervised Learning, Deep Learning, etc.), and scale existing models to enhance fraud detection accuracy with continuous deployment and monitoring. Fraud detection accuracy was low, and they had no automated mechanism for rapid model development, implementation and continuous deployment.

CGI Completed a proof-of-value and provided an AI solution roadmap to scale. We strengthened ML capabilities with a hybrid ML approach that adds Unsupervised algorithms to the mix. All Fraud model types were made to compete in Champion Challenge mode to provide highest accuracy for fraud detection. Well-Architected Machine Learning Framework based assessment helped identify and fix gaps in Security, Efficiency, Operational Excellence, Cost and Reliability.

This led to enhanced fraud detection with path to continuous deployment and monitoring, reduction in numbers of customers impacted by false positives, and increased capacity for branch, contact centre and investigations teams.

Implementation

Comprehensive proof-of-value development and future state roadmap that included:

- · In depth assessment of current state
- Analysis of all ML and supporting tools within the Future State Architecture
- Visual architecture of proposed tools, associated integration and potential ML outputs
- Mobilization plan to actualize future state that includes operational and technical imperatives
- Implemented POC of proposed Future State to demonstrate viability

Personas e Notebook Container Single Point Integration Model Analyst Data Analyst Enclosed Rules Engine Model Model

Challenges

- Difficulty in kickstarting advanced methods of Machine Learning model development and production
- Ambiguity regarding ML tool investments

CGI

 Lack of collaboration between Data Scientists and rest of the organization

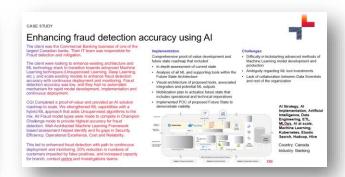
> Al Strategy, Al Implementation, Artificial Intelligence, Data Engineering, ETL, MLOps, Al at scale, Machine Learning, Kubernetes, Elastic Search, Hadoop, Hive

Country: Canada Industry: Banking

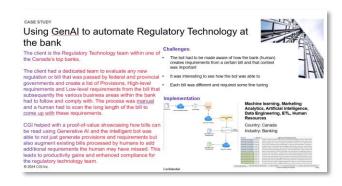
CBPR+ Intelligent Copilot for Payments



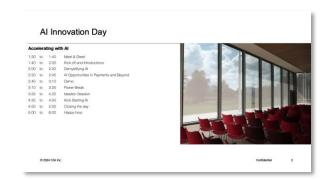
Enhancing fraud detection accuracy using AI



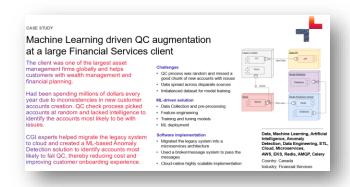
Gen AI to automate Regulatory Tech



Al Innovation day to kick start opportunities and alignment



Machine Learning driven QC failure prediction



Al4Whales: Earth Observation and ML for Wildlife Conservation



About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

cgi.com

