CGI Data2Diamonds

Using the power of data to improve and innovate

CGI

Organizations need to quickly sense and respond to change to remain competitive and relevant. Data-enabled enterprises make insights-based decisions with greater business agility and digital leadership. Without data, there is no digital.

CGI's Data2Diamonds framework, methodology and experience bring vision, enterprise intelligence, engineering and management to your organization's data. We help you use the power of data to improve and innovate, reach your objectives, fuel your mission, and achieve competitive advantage—or, in the public sector, advance economic and social development.
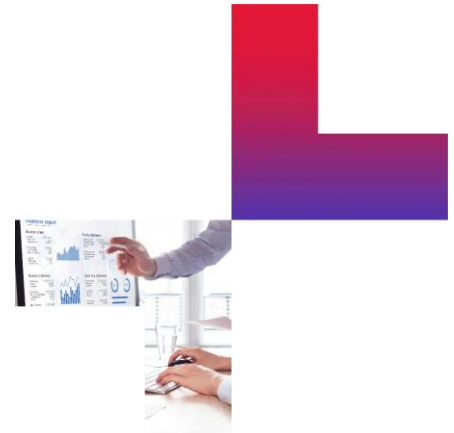
Our research into digital leaders shows they intently design, manage and evolve their digital value chain to accelerate business outcomes. This includes pivoting the use of data from predicting and planning to sensing and responding. This requires managing and governing their distributed enterprise data as a strategic asset, integrated with technologies such as Internet of Things, advanced analytics, machine learning, artificial intelligence, decision science and intelligent automation.

Our Data2Diamonds approach recognizes these imperatives and addresses data strategy to implementation and management.

Data vision, assessment, and roadmaps

The best data strategies accelerate outcomes by aligning initiatives to business value. They allow data and analytics to adapt as business and customer or citizen priorities change, and help identify the maximum value with minimum scope. They deliver initiatives that result in a return on investment by factoring in critical information and data for strategic and operational decision-making.

We use best practices, proven frameworks and tools to accelerate the development of your value-driven data analytics strategy and ensure achievable deliverables.

Data2Diamonds at a glance

Organizations that embrace the use of data for strategic and operational insights are pulling ahead of their peers in tangible ways, both in competitive advantage and more effective operations.

Data2Diamonds is CGI's methodology for the design and implementation of data-driven insights. The more high-quality data you can access and the better you can analyze it, the greater the potential for value.

Enterprise intelligence

Our enterprise intelligence solutions present data in dynamic ways to discover new trends or patterns:

- **Advanced analytics** apply a mix of scientific problem solving and software engineering to solve the business problem
- **Applied artificial intelligence (AI)** builds real-world applications by using machine learning (ML) and deep learning methods
- **Analytics governance and ML operations** make sure your ML pipelines are running, APIs are responding, and models keep on performing well

Data engineering and management

Our data engineering and management solutions include:

- **Data ingestion** as a means of connecting to various data sources
- **Data management** to manage multiple raw data inputs ingested at high speed and driving trustworthy sources of data with data quality and meta-data
- **Data consumption** for data visualization outcomes, process improvement, real-time monitoring, developing ML models and other critical decisions
- **Data governance** to bring clarity, trust and accountability in data

Experience the benefits

- **Improve decision-making:** Access fast insights from data and analytics to make better-informed, cost-efficient decisions and drive business value.
- **Drive business innovation:** Unlock the value of data with advanced analytics to create growth opportunities, enhance customer or citizen experiences and drive innovation.
- **Discover unrealized efficiencies:** Increase performance and operating efficiency with a data-driven allocation of computing resources and DataOps that takes an automated approach to data and processing.

Why CGI?

- We have successfully delivered thousands of data and analytics services and solutions for clients.
- Our global practice includes over 5,500 CGI experts in data and analytics solutions. This worldwide community applies our Data2Diamonds approach with clients and partners every day.
- We have developed many enterprise-level cloud data platforms.
- Data2Diamonds provides an active knowledge base for clients, partners and CGI professionals. This framework is part of our overarching "Value in Motion" approach to help clients become "sense and respond" organizations.

Using CGI's Data2Diamonds framework and expertise, a large insurance company transformed its business intelligence function from being costly, late and over budget, to a value-added service center for the entire business. Benefits included:

- 10% cost savings for new projects
- 20% reduction in labor cost
- 40% reduction in total cost of ownership

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.

For more information
Visit cgi.com
Email us at info@cgi.com