

Improving asset reliability and performance

CGI OpenGrid
Asset

CGI



The drive toward asset optimization

Digitization enables utilities to leverage advanced predictive diagnostics to analyze data, and detect and diagnose asset issues before they occur—a powerful capability that opens the door to new levels of optimization.

With shrinking revenues, greater regulatory scrutiny and higher customer expectations for transparency, utilities face intensifying business pressures to increase operational performance from existing assets and to drive more value from capital expenditures. In addition, the move toward grid modernization and distributed energy resources is further pushing utilities to transition to a new energy system.

As a result, today's utilities must get more out of their operations and assets through digitization. It is imperative utilities invest in the latest technology capabilities that focus on assets and help prioritize them using the power of data. Digital capabilities including real-time data capture and analytics will be a critical enabler for utilities as they move to drive utmost asset reliability and optimization.

By leveraging data and analytics that look across your assets and their history—along with a prediction of their future impact—CGI OpenGrid Asset helps improve your asset reliability and maintenance strategies.

CGI OpenGrid Asset: Prioritization is based on asset risk, not criticality

CGI OpenGrid Asset is designed to meet the needs of today's transmission and distribution (T&D) utilities. Built specifically for utilities in close partnership with our utility clients, our fully integrated asset management solution helps modernize legacy systems and prioritize asset investment and intervention decisions.

Combining our deep industry expertise, best practices and advanced technologies, CGI OpenGrid Asset enhances asset-intensive operations. It focuses on your assets as an integral part of your operations and drives optimal workflows based on the criticality and health of your assets.

Key benefits include:

- Improved asset reliability
- Prioritized asset intervention
- Optimized asset lifecycle management
- Demonstrated regulatory compliance

Proven asset management – Powerful outcomes

With CGI OpenGrid Asset, your utility can transform data into actionable intelligence for asset optimization. The use of emerging technologies such as advanced predictive analytics and artificial intelligence improves this process and can transform the way your utility works.

Proof points include:

- Optimized lifecycle costs for managing assets and asset information
- Minimized unplanned downtime, extended asset life and proactive and predictive strategies for facilitating efficient interoperability between CAPEX and OPEX through accurate information
- Operational and maintenance efficiency through automated work identification, based on rules and conditions, together with planning capabilities to reduce multiple visits to the same location
- Future-proof investment cases
- Alignment with best practices for asset management such as ISO 55000



Drive additional value from your assets

What sets CGI OpenGrid Asset apart are the powerful capabilities at the enterprise level to move your utility forward in its digital journey. Our solution is innovative, cost-effective and proven to unlock the power of your data so your asset stewards have the insights they need to make informed, faster decisions.

Our unique solution capabilities include:

- Integrated asset management and execution
- Advanced predictive analytics for greater asset reliability
- Reliability-based preventive maintenance optimization
- Step-based procedures generated via simple configuration, not coding
- Enterprise-level workforce mobility
- Integrated geospatial visualization
- Modular platform to digitize asset design, construction, operations and retirement



Transform how your utility's assets perform

CGI OpenGrid Asset helps deliver powerful outcomes that matter.

Improve asset reliability –

Our solution improves reliability using systematic failure awareness, identification, root cause analysis and continuous revision of asset performance trends. It leverages risk-based integrated decision-making and portfolio management, enabling your utility to prioritize asset intervention based on the condition of assets and the risk profile of asset systems.

Prioritize asset intervention –

CGI OpenGrid Asset provides better visibility of asset health and performance with additional insights into future health degradation, intervention and optimization plans. Our solution uses all asset details such as work history and inspection results to drive asset intervention at optimized frequency and need, systematically coordinating activities and prioritizing work.

Optimize asset lifecycle

management – With our solution, you can reduce operational costs and increase the productivity of your assets and customer service. Our approach leverages asset data to drive greater reliability and cost-effective asset lifecycle management. You can tap into our capabilities for advanced optimization of service, maintenance and construction work—from inception to closure using one system for a single source of the truth.

Meet compliance requirements –

You can leverage a more rigorous model for regulatory compliance and approval by providing improved asset reliability, visibility and traceability. For example, with our solution, utilities can rely on a maintenance plan backed by data that includes asset details and insights into asset performance and history.

Adherence to changing regulatory expectations such as NERC CIP, DOT 192, DIMP and TIMP becomes easier with CGI's enabling technology and single system that bridges the gap for all stakeholders.

Trusted partner focused on your needs

CGI is trusted by the world's leading utilities to implement their most complex and mission-critical systems. Drawing on more than 30 years of industry experience as an end-to-end services provider that has co-developed successful industry solutions with our clients, our CGI OpenGrid360 suite (including CGI OpenGrid Asset) is designed to meet the unique needs of transmission and distribution (T&D) utilities.



CGI in Utilities

As the need to move to a secure, affordable and fair low-carbon energy ecosystem intensifies, CGI supports the energy transition by helping utilities transform themselves. Our solutions help address growing volumes of distributed energy resources, exploit data insights and other digital enablers to diversify revenue streams, support real-time operational excellence, and enhance customer experience, all while keeping the business secure.

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of the largest utilities worldwide partner with CGI.

60

of the top 100 utilities in North America rely on CGI solutions for outage, work and asset management, enterprise mobility and analytics.

6K

CGI consultants are helping utilities around the world drive profitable growth.

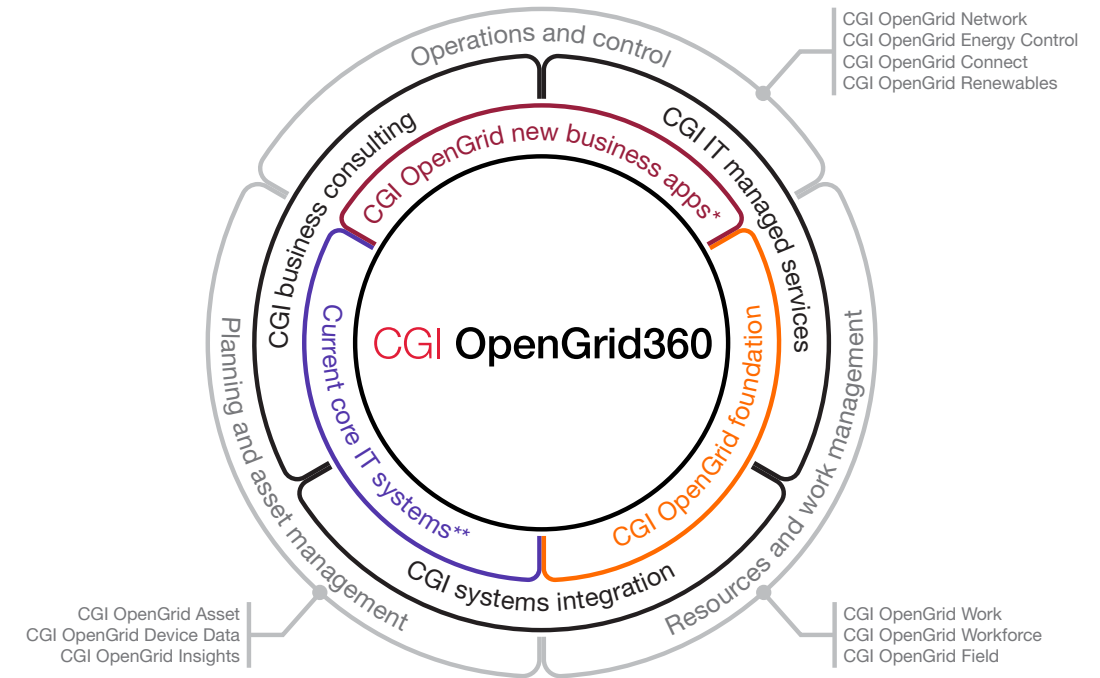
CGI OpenGrid360

Accelerating innovation by unlocking the value of data for the move to a sustainable future grid

T&D utilities need to accelerate change, optimize operations and support future energy market needs. CGI OpenGrid360 is an innovative suite of solutions and services designed to improve your data insight and accelerate innovation to meet the evolving demands of the new energy system. It supports the complete network value chain from asset to outage management and more.

Co-developed with large network operators on UK smart grids innovation programs, for example, the hub of the solution is the CGI OpenGrid Foundation, a master data management and integration layer that provides a single view of a utility's network. By allowing data to be centralized and

securely shared across IT, operational technology (OT) and business systems, our unique approach supports real-time decision-making and more rapid development of new applications and services for a competitive edge. This kind of business value is not possible using traditional relational databases or unstructured data lakes. Our CGI OpenGrid360 portfolio includes modules for asset, network and mobile workforce management, as well as solutions for managing advanced smart grids and renewable operations. These applications will help you maximize the benefits of data from the grid and endpoints. While modules can be used individually, even greater value can be achieved by implementing the full CGI solution suite. CGI OpenGrid Asset is part of this portfolio.



* = Delivering value-added services for consumers, prosumers and other market parties

** = Current core IT systems of utility network owners and operators; CGI offering or offering from any other vendor

Connect with us to learn more

As a trusted advisor with a proven track record in the utilities industry, CGI is committed to your success.

Connect with us to learn more:

cgi.com/utilities and cgi.com/opengrid



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.

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