

Grid IQ™ Solutions from GE

End-to-end vision, technology, and expertise to build a smarter grid. Today.

Grid IQ™ is GE's company-wide commitment to solving our customers' toughest challenges in innovative ways with more efficient, reliable, and sustainable energy solutions. From generation to consumption, GE is modernizing the grid to meet the world's growing capacity, environmental, and security needs.

GE's Digital Energy business is a global solutions provider modernizing and optimizing how we generate, move, and consume energy. Digital Energy invents, improves and integrates communications, automation, and power delivery technologies to enable cleaner, smarter, and more efficient power for electrical infrastructures and consumers around the world. GE's Digital Energy business employs more than 5,000 people globally and partners with more than 250 local sales and service representatives on every major continent all over the world. We're a global business with local capabilities.

The business serves several key industry segments, including:

- Energy - Generation, Transmission, and Distribution
- Critical Infrastructure such as Healthcare and Data Centers
- Oil & Gas
- Heavy Industrials
- Telecommunications
- Transportation
- Water

The business is organized into three main areas and has seven main product lines:

Smart Grid

GE is helping customers overcome their power challenges and re-energize our planet's energy infrastructure to handle the demand for the next 100 years—a smarter grid from generation to powering consumers.

- Metering & Sensing Systems
- Grid Automation
- Smart Grid Solutions



Power Equipment

GE provides technology to ensure superior performance, accurate sensing, and industry leading energy efficiency.

- Power Quality
- Power Delivery



Prolec GE

Through our joint venture we provide a complete line of residential, commercial, and industrial transformers.

- Power Transformers
- Distribution Transformers



Key Customer Solutions

Digital Energy delivers industry leading solutions to help our customers solve the world's toughest challenges and provides solutions in five key areas:

Infrastructure Improvements

- System planning/design
- Power delivery equipment and systems
- Turnkey delivery

Reliability and Optimization

- Self-healing power systems
- Network/asset planning and management systems
- Substation and feeder automation
- Equipment monitoring and diagnostics

Connectivity

- Asset visualization
- Power system reconfiguration
- Communications enabling AMI



Safety and Security

- Personnel and public safety
- Availability of electrical assets
- Cyber security and private networks

Workforce Automation

- Outage management systems
- Mobile workforce solutions
- Remote monitoring and diagnostics

Product Line Offering

Digital Energy has an extensive offering of proven technology, with unmatched innovation and expertise.

Smart Metering – GE meters and smart meters deliver real-time instrumentation, built-in communications, dynamic pricing, and access to critical power usage data.

Solutions as a Service – GE's Grid IQ Solutions as a Service offerings provide unique subscription based software and hardware packages to utilities.

Industrial Communications – Our MDS and Lenronics lines of communications devices deliver networking solutions hardened to withstand harsh environments.

Substation Automation – GE provides integrated acquisition and management of non-operational data, alongside unsurpassed engineering and design knowledge.

Protection & Control – GE's Multilin power system protection and management solutions ensure dependable and safe power worldwide.

Monitoring & Diagnostics – Our Kelman and Hydran lines enable customers to optimize transformers, avoid unplanned outages and failures, and minimize costs.

Transformers & Capacitors – GE's power delivery equipment enables utilities to deliver superior customer care, system reliability, and operating efficiency.

Power Delivery Projects – Our power delivery projects increase system reliability through grid and asset management, distribution infrastructure solutions, and substation management tools.

Utility Operations Systems – GE supplies software tools that allow operators to identify troubled assets and restore power faster when unforeseen problems cause outages.

Geospatial Systems – GE facilitates critical network assets with Geospatial information systems, mobile workforce applications, and communications management.

Power Quality – For mission critical processes, customers rely on our industry-leading power quality solutions to increase critical system reliability.

Power Sensing – GE's ITI line of power sensing products offer customization, support, and services to deliver the right solution.

