Digital Energy
we protect and connect the world’s critical equipment to ensure safe, reliable power
“Our strength lies in the innovative people who deliver solutions to meet our customers’ needs.”

- Larry Sollecito, President and General Manager

From protecting assets such as generators, transmission lines and motors, to ensuring secure wireless data transmission and providing uninterruptible power, GE Digital Energy delivers industry-leading technologies to solve the unique challenges of each customer.
Our industry-leading technologies solve

Protection & Control
Multilin

The Multilin line of power system protection and management solutions continues the rich tradition of GE’s 100 years in protection & control. From generators to transmission lines to motors and beyond, we are dedicated to ensuring dependable and safe power worldwide.

Communications
MDS, Lentronics

Through our MDS and Lentronics communication devices, we are developing new technologies to deliver complete networking solutions for customers worldwide. From secure wireless communications to rugged Ethernet switches and robust data multiplexers, our products are designed to withstand the harshest environments.
For mission critical processes that cannot be interrupted, customers worldwide rely on our industry-leading Zenith Controls line of power quality solutions. From Uninterruptible Power Supplies to Automatic Transfer Switches, Surge Suppression and Paralleling Switchgear, we ensure critical system reliability.

To address their challenges, customers rely on our experience and deep portfolio of customizable ITI instrument transformers and control switches. Utilizing high quality materials and innovative designs, ITI products deliver accurate power sensing technology for reliable power systems.
Protection & Control

Multilin is always at the forefront of technology. Our spirit of innovation ensures the integrity of the world’s power systems.

We are passionate about developing unique protection and control products that enable our customers to reduce the costs associated with protecting their power systems. By converging device functionality, Multilin products and Energy Management Systems enable our customers to optimize the methods used to control both processes and equipment to utilize energy more economically and efficiently.

Generation
Generators provide the power for the entire electrical grid. Using Multilin relays is of primary importance to protect generators during external disturbances.

Transmission & Distribution
Through innovative technology, Multilin products allow utilities to implement system stabilizing and cost saving options that were previously considered impossible.

Industrial
Asset protection is also critical to our industrial customers, where revenue generating processes demand reliable protection that is flexible, easy-to-use, and able to withstand harsh environments.
When power lines go down, Multilin protects

Fires, injuries, and fatalities can be caused by a live downed conductor. Unfortunately, these high risk incidences often go undetected by conventional protective systems.

Utilities can now take a safety-first approach to protect the public from injury and themselves from unnecessary liabilities.

GE’s Multilin Hi-Z Fault Detection is today’s smartest high-impedance fault detection system. Sophisticated algorithms, developed over the past 20 years, detect downed conductors, tree branch contacts, and insulation faults in underground cables.
Communications

The world’s critical networks need fast, reliable and deterministic communications.

Our MDS products provide highly secure wireless networking solutions that optimize range and speed with industry-leading technology. The Lentronics products provide a full suite of solutions for sophisticated data networking and flexible telecommunications. Rugged MultiLink Ethernet switches provide secure, reliable communications for critical infrastructure.

Utilities
Substation automation and SCADA systems rely on our communications products to manage critical fiber optic, microwave radio, and leased line communications.

Oil & Gas
Oil extraction, transportation, and refining assets can be spread over hundreds of square kilometers. Using our communications solutions, reliable wide area wireless networks bring monitoring and control within reach.

Water
Increased security regulations have driven the need to continuously monitor the water supply. Reservoirs, dams, and treatment facilities are now linked with high-speed wireless backbones and managed with data multiplexers.

Transportation
Mass transit systems require advanced communications. Our Lentronics and MDS products deliver networking solutions for security & video systems, intelligent highways, rail train control and SCADA applications.
Coordinated communications save lives

Advanced communications solutions mean more effective law enforcement and faster emergency response. With MDS wireless Mobile Data Solutions, officers can spend more time in the field and still get the information they need to make critical decisions safely and quickly.

Whether it’s access to a criminal database, the video feed from a bank heist, or automatic vehicle location, MDS Mobile Data Solutions are trusted by Public Safety departments across the globe because of high-speed communications and superior coverage. This is not limited to law enforcement, but includes other first response units such as fire departments and ambulance services, that are able to share a single system.
Power Quality

When downtime is not an option, nothing short of the world leader is acceptable for ensuring uninterrupted power.

The power requirements of a facility can sometimes exceed what a utility can provide. Power Quality ensures that mission critical equipment and processes are protected and uninterrupted by power system anomalies. We are here to provide critical system reliability.

Healthcare
Immediate backup power for critical life-saving equipment allows hospitals to continue to save lives when utility power is lost.

Financial
Financial institutions use advanced Power Quality systems to ensure that important work on personal accounts and large transactions is not lost due to system interruptions.

Data Centers
A data center that can't guarantee its customers continuous access to data, won't be in business for long. We deliver the Power Quality solutions to keep them running.
Critical infrastructures need reliable backup power

The requirements of a data center are simple; power that is not only “clean” to prevent equipment damage, but also available over 99.99% of the time. Customers rely on our Power Quality solutions to ensure critical system uptime.

In the event of a power anomaly, the seamless integration of immediate backup power, high-speed power switching technology, and long term generators achieve power availability of 99.9999%. This translates to 1 second of downtime per year.
Power Sensing

Accurate ITI sensing technology is at the heart of every reliable power system, delivering data you can rely on.

Customers rely on our experience and deep portfolio of customizable ITI instrument transformers and complete line of control & test switches to address their challenges. Utilizing high quality materials and innovative designs, ITI products deliver the right solution.

Power Utilities
Power sensing is key to maintaining reliability of electrical service to both industrial and residential customers.

Large Industrials
Power sensing products are essential components used in the protection, control, and maintenance of equipment and processes.

Critical Infrastructure
ITI products provide the sensing required to continuously operate hospitals, airports, data centers and mass transit systems.
Interruptions in Oil & Gas production cost consumers

Downtime caused by failed electrical and process equipment in refineries and manufacturing facilities can cost companies thousands of dollars per minute down. This associated interruption in supply is not only inconvenient, but usually results in increased costs passed on to the consumer.

GE’s ITI products are designed to provide the maximum amount of protection to equipment and minimize the loss of product flow to the consumer. These products include current and voltage transformers, test switches, control switches, lockout relays, three phase voltage monitors, ground fault detection systems, and power control components.
Our products deliver application specific

Energy
Multilin products offer advanced protection, control and management solutions for fossil, hydro, wind and nuclear applications. Our MDS, Lentronics and MultiLink products deliver rugged and reliable wireless, optical and Ethernet network solutions for field force automation, SCADA and remote monitoring applications. Our ITI products are the most trusted name for indoor and outdoor instrument transformers.

Oil & Gas
Whether you are protecting and controlling a down hole pump motor or a low voltage conveyor system, Multilin protection and control devices have the flexibility to meet your application needs. From monitoring and controlling well-heads, to video and pipeline monitoring systems, MDS wireless communications equipment provides secure and reliable transmission of mission and revenue critical data.

Critical Infrastructure
Ensuring continuity of power while minimizing operational costs is a major challenge for today’s hospitals, data centers and public safety networks. Our Zenith Controls and Digital Energy UPS products ensure continuous availability of power. We provide total energy management with our Multilin energy meters, software and consulting services. Our MDS wireless devices provide secure, dependable communications for mobile public safety applications.
solutions across multiple industries.

Heavy Industrial
Heavy process operations such as mining, pulp & paper, and cement rely on Multilin protection and control products for their transformers, feeders, back-up generators, and motors. Our MDS industrial wireless devices provide fast and secure remote monitoring capabilities for applications such as tank level monitoring. Accurately measure power with ITI utility grade instrument, control and power transformers.

Transportation
Helping to shape the mobility of tomorrow, customers rely on our innovative solutions for traffic and transport applications. Our Multilin products provide power system control and dependability for rail systems and airports. Our MDS and Lentronics products deliver reliable wireless communications and networking solutions for security & video systems, intelligent highways, rail train control and SCADA applications.

Water
From industrial facilities to public water treatment and delivery centers, customers rely on our advanced products and services to meet water/wastewater process requirements. With over 25 years in motor protection, Multilin devices protect and manage critical motors. Our MDS and Lentronics wireless and optical networking solutions secure reservoirs and pumping stations by providing communications infrastructures.
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Enterprise Solutions

Digital Energy

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