Landis+Gyr

Meet Revelo™
The IoT Grid Sensing Meter

Landis+Gyr proudly introduces the Revelo™ metering family, the industry-first IoT grid sensing electric meters benefiting both utilities and their customers. Demands on the grid edge are changing – today's energy consumers want more insight and control to manage energy better. Enhanced reliability, safety, and the growing adoption of Distributed Energy Resources (DER) require more than traditional meter-to-cash capabilities. Revelo is a true grid sensor, providing unprecedented insight and control through industry-leading waveform data technology, offering superior edge computing capabilities and a greater ability to sample, process, store, and deliver data to the right places in real-time.

Building on the strong foundation of our current metering platforms, Revelo offers:

High-speed 15 kHz waveform data like the **MAXsys Elite grid meter**

The high-resolution billing and profiling system (upgraded for transactive energy in the future) of the **S4x commercial & industrial meter**

The same industry-first 320A remote disconnect found in the **FOCUS residential meter**

FEATURES

- IoT sensing that leverages high resolution waveform data sampling (15 kHz)
- High resolution current and voltage streaming to an integrated Edge Intelligence Card
- Gridstream Connect, App OS enabled sensor
- Communications flexibility
- Grid Apps: Grid Location Awareness, Anomaly Detection, and Intelligent Voltage Monitoring
- Consumer Apps: Home Analytics, Real-time High Energy Usage Alerts,and Meter Safety Alerts

- Open application ecosystem with third-party and utility partner application creation potential
- Enhanced power quality
- Richer harmonics measurement
- High-resolution billing system (ready for the future of transactive energy)
- 200A and 320A remote disconnect
- Millisecond accuracy network time
- Micro arc sensing at the meter blades
- Wi-Fi and internet enabled

Leveraging Gridstream® Connect Apps

Revelo builds on our Gridstream Connect Apps ecosystem, with built-in applications, providing both grid and consumer benefits. **Grid Apps** extract and process raw metrology data to send curated insights to DMS, OMS, or enterprise analytics systems that improve the speed and accuracy of decision-making in the utility control room. Similarly, **Consumer Apps** put the consumer in touch with deep insights about their energy usage so they can make better decisions and save money.

GRID APPS efficiently connect utility operations software systems that help manage the grid with the rich data and insights collected at the grid edge. Built-in grid applications include:

- **Grid Location Awareness** provides a more accurate map of the grid, essential to the advanced analytics software utilities use to safely and rapidly restore power following an outage. This application also supports renewables integration, enables the mass adoption of electric vehicles on the grid, and manages peak load.
- **Anomaly Detection** uses high-resolution data to detect the electric signatures of events like a tree branch brushing against a wire that may cause momentary power disruptions in the near-term and potential outages in the long-term. Utilities can use this information to prioritize maintenance or vegetation management programs to reduce cost and improve operational performance metrics.
- **Intelligent Voltage Monitoring** provides real-time visibility into voltage performance, improving Volt/VAR optimization, resulting in a reduction in system losses, and greater overall grid efficiency.

CONSUMER APPS perform analytics that reveal how and when consumers use energy, as well as identify potentially unsafe electrical conditions in the home. Built-in consumer applications include:

- **Home Analytics** provides appliance-level energy usage details empowering consumers to make better decisions on how and when to use energy resulting in lower bills.
- **Real-time High Energy Usage Alerts** inform consumers that they may exceed an energy usage threshold based on their current usage and the types of appliances they currently have running in the home. This app can help utilities to implement rates that reward consumers for using energy when it is less expensive and help consumers to implement strategies to better time appliance usage to save money.
- **Meter Safety Alerts** identify electrical issues at the meter base, allowing the utility to send priority alert messages and providing increased reliability and customer safety.

Learn more at landisgyr.com/revelo

GET IN TOUCH.

For more information and nationwide warranty terms, visit us at landisgyr.com or call us at 888-390-5733.

LET'S BUILD A BRIGHTER FUTURE TOGETHER

Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.

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