E360:
The smart residential meter for the IoT era.

When investing in smart metering and smart grid infrastructure, the energy utility customers make a long-term commitment. At the same time, technology is changing at a rapid speed and it is important to stay competitive in this fast-evolving environment where more and more use cases beyond traditional AMI are required. The new residential meter from Landis+Gyr is a intelligent endpoint and an integral part of our IoT platform and end-to-end solution portfolio.

Dependable communication through LTE CAT M1and NB-IoT on a single IoT communication platform

Communication technology is a core element in any smart metering solution. Not only has it a significant impact on the total solution performance, it also plays a crucial role in the Total Cost of Ownership.
The E360 family introduces an integrated E360 LTE meter supporting CAT M1 and NB-IoT communication. The technology is designed to cope with today's IoT applications by allowing the connection of large numbers of different devices into a single network. It is capable of transferring data cost-efficiently and very reliably compared to previously available mobile technologies. The better signal penetration into buildings enables it to reach smart energy meters even in basements two levels below ground.

- Dependable connectivity offering LTE M1/NB-IoT on a single IoT communication platform
- Powerful measurement capabilities for near real-time data availability
- Enhanced power quality functions for network stability monitoring
- Security according to the highest industry standards
- Intelligent endpoint of our Gridstream Connect platform
- Minimized Total Cost of Ownership
- Mbus master functionality to connect up to 4 multi energy meters
- Exceeding the latest safety standard IEC62052-31, making this meter the safest choice

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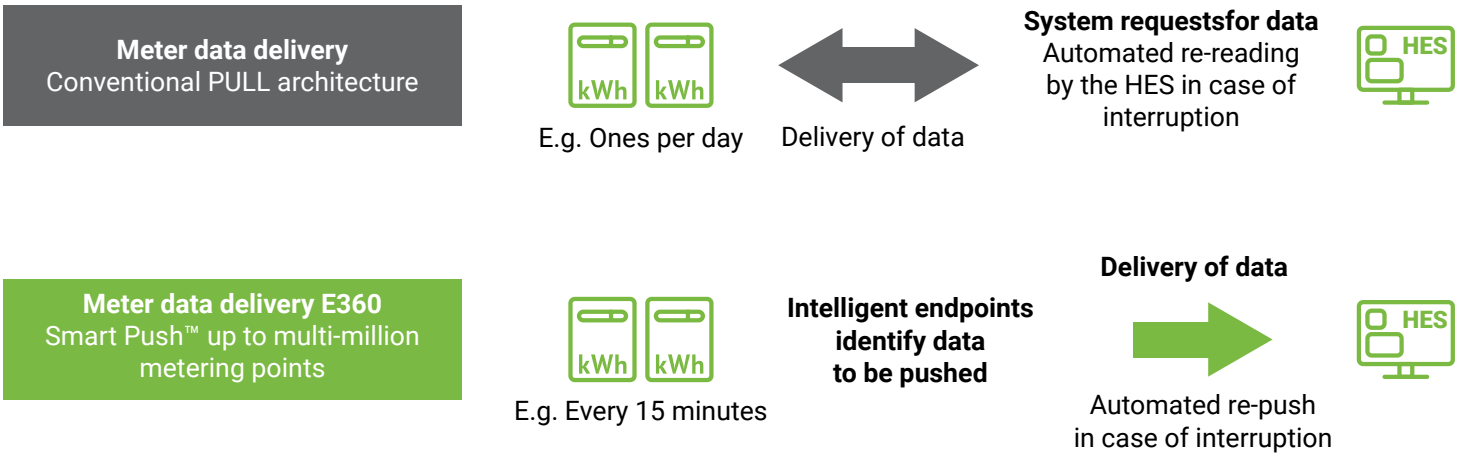
Powerful communication and measurement capabilities for near real-time data availability

The E360 offer a innovative and intelligent way of sending data from the meter to the system. This intelligent smart push functionality in combination with Landis+Gyr Head End System is scalable and improves the performance of the device on various levels: It enables the delivery of near real-time data for more accurate and granular power flow calculations - and with this, you improve the transparency and efficiency of your network.
Furthermore, advanced power quality functionality for enhanced network stability monitoring meets the stringent demands of today's operational
environment.

Smart Push cellular P2P architecture



Security by design across the entire lifecycle of the meter

Today's security requirements call for a holistic approach that includes the technical security, but also embraces the planning of the entire smart infrastructure from design to production, installation and maintenance processes.
The E360 features an parametrizable role-based access system. Data in transit and at rest are protected by encryption and authentication. Credentials are stored in a secure enclave in the MCU. A comprehensive set of logs shows e.g. events, meter point access, firmware updates and all the communication attempts to the meter.

Future proof design to keep your options open

The device is built on a modern, intelligent firmware platform that enables adding new functionalities and technologies during its operation. Upgrades can be made remotely, quickly and reliably without affecting normal meter operations. There is also headroom for future applications in the firmware for future use. New applications can be easily introduced through standardized interfaces.

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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E360_1: September, 2024