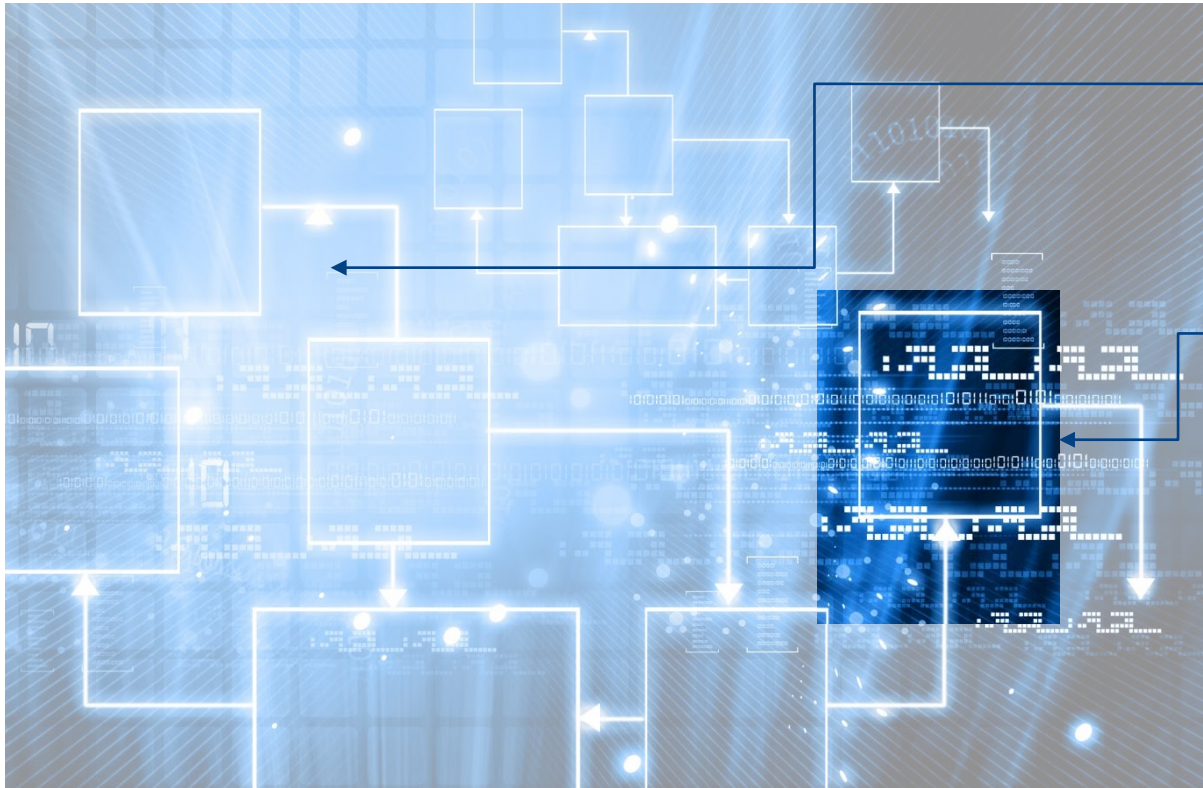


An Extensible Communications Platform for a Smarter Grid

Reliable Energy Delivery Comes First



Internet of Things

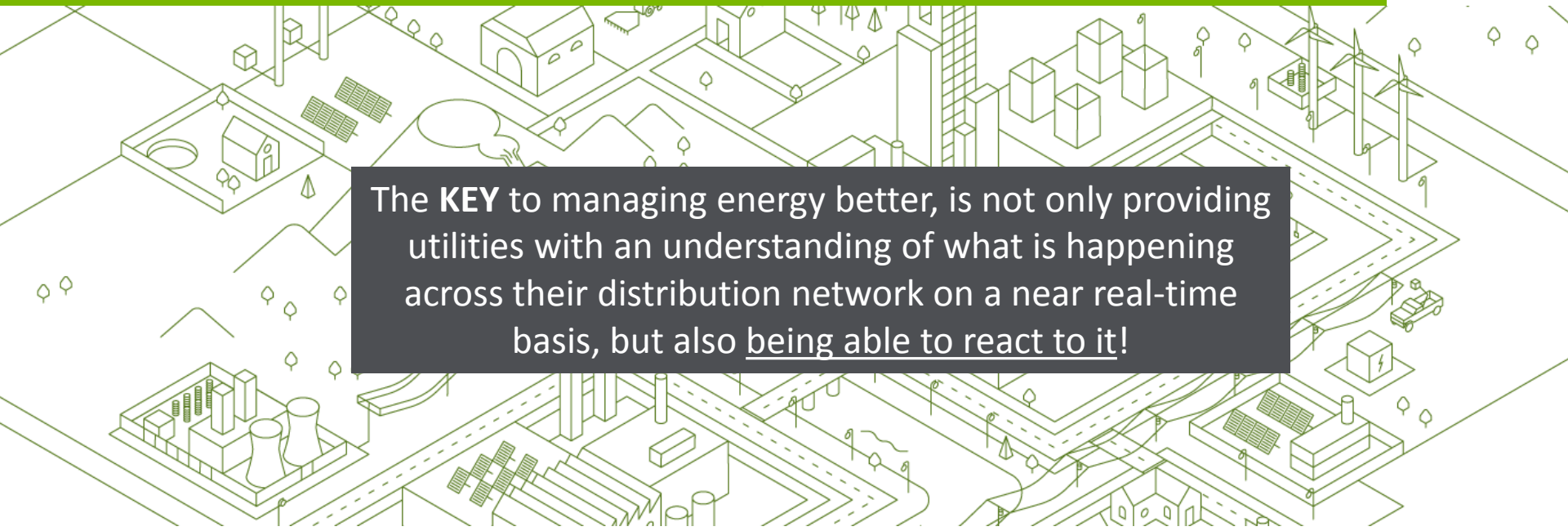
Intranet of Grid

Secure.

Standards-based.

Utility-focused capability.

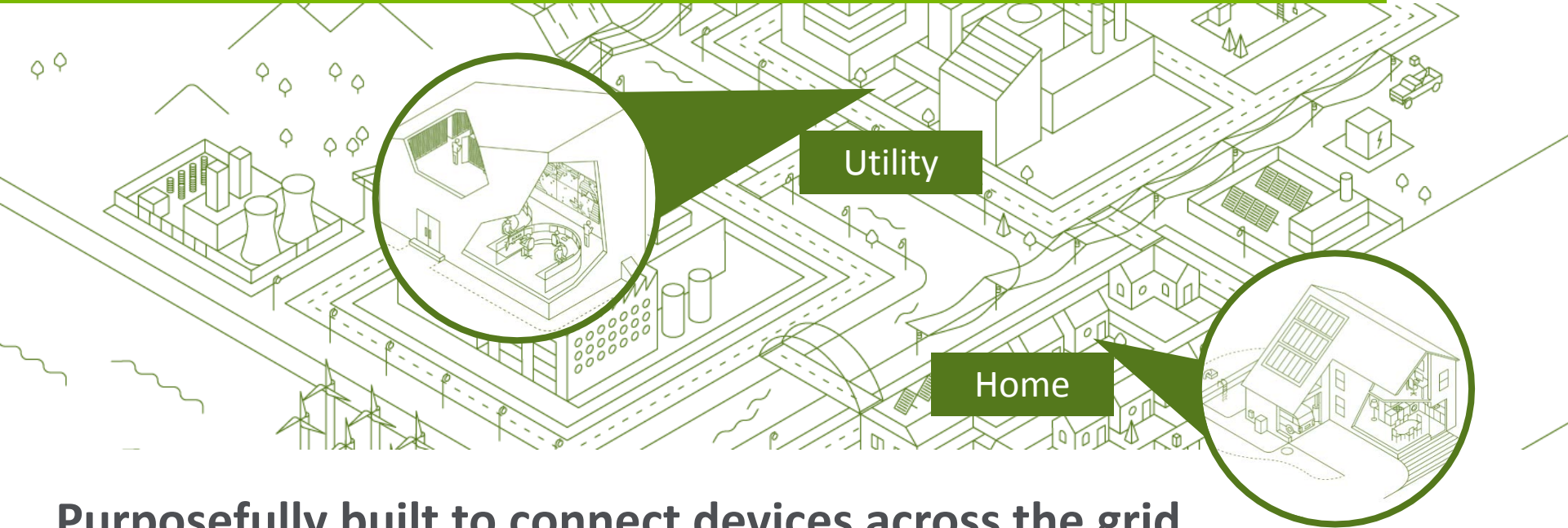
Manage Energy Better



The **KEY** to managing energy better, is not only providing utilities with an understanding of what is happening across their distribution network on a near real-time basis, but also being able to react to it!

Requires visibility across the entire distribution system allows the utility to understand and react **all the way to the edge.**

A Platform to Support Diverse Needs



Purposefully built to connect devices across the grid.

AMI Distribution Automation Load Control Switches

Line Sensors Street Lights In-home Devices

Meeting Your Smart Grid Needs Today and Tomorrow



Scalable

Secure

Interoperable

Key attributes of extensible platform

Scalability to Support Growing Needs

- **Future Readiness:**
reserve capacity by design
- **Self-Forming, Self-Healing Mesh:**
intelligent routing
- **Quality of Service:**
prioritization of traffic
- **Distributed intelligence:**
computing power at the edge



Interoperability to Maximize Value

- Utilizing relevant standards
- Integrated with devices you use today



20+

Device Suppliers

60+

Intelligent Grid
Devices

300+

Applications

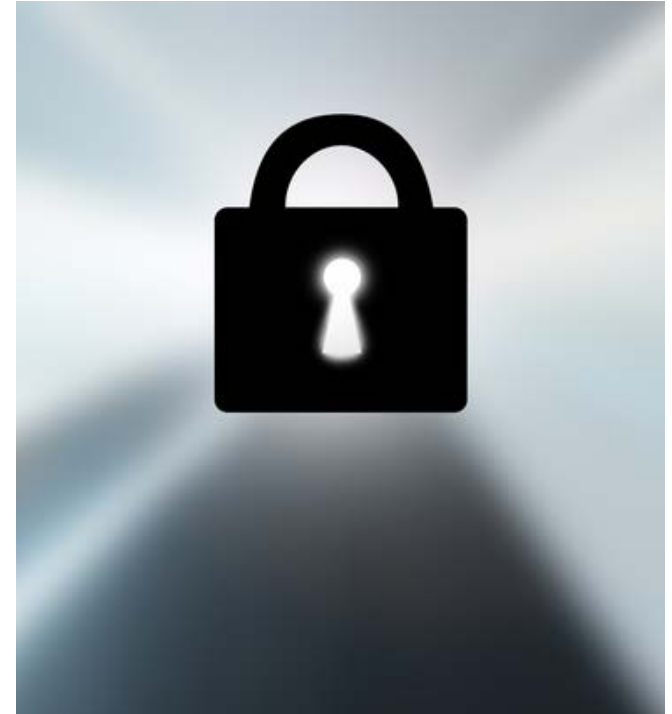
200K+

Intelligent Smart
Grid Devices

300M+

Devices connected
to the Landis+Gyr
Platform

- Physical and cyber security elements
- Open, non-proprietary security approach
- Built on Industry standards/compliance
 - NISTIR 7628
 - NERC CIP
 - NSA Suite B
- Continuous engagement
 - Contributor in industry consortia
 - Ongoing third party assessments



Conservation Voltage Reduction Project using Landis+Gyr E350 FOCUS-AX meters for voltage sensing

- Full deployment on 80 feeders
- Voltage profile and Sag/Swell events
- Dynamic bellwether meter population
- Automated planning
- Calculates DVM factor
 - Endorsed by Bonneville Power Authority





Residential Demand Management Goals:

- Provide new technology and customer engagement
- Leverage investment in AMI network

Solution: Thermostats and Load Control Switches throughout service territory supporting 4 unique programs

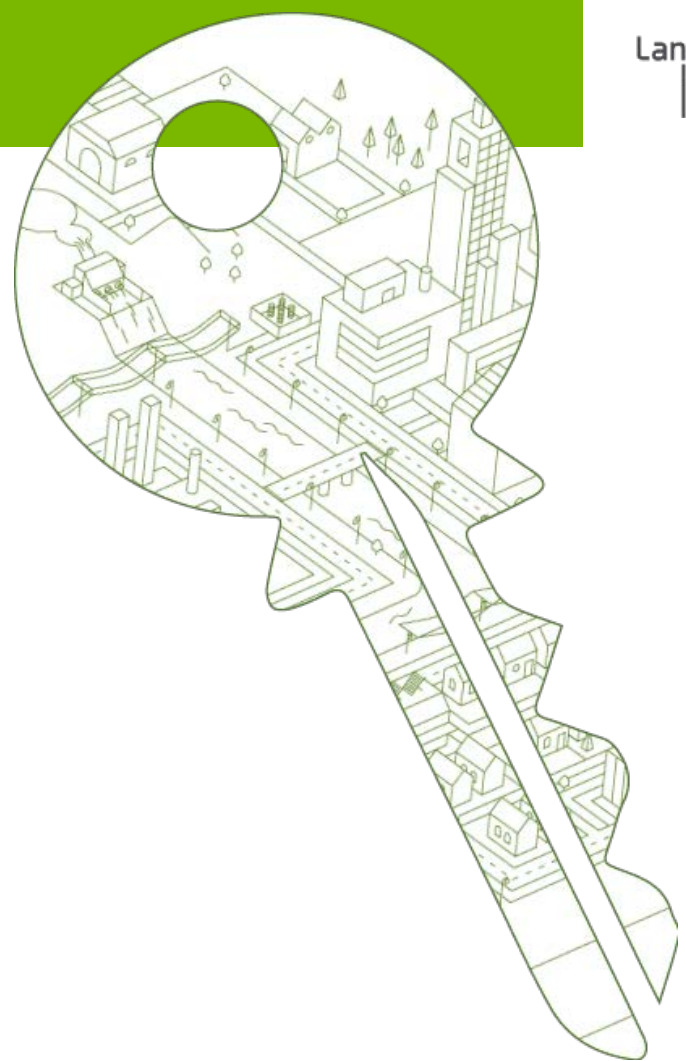
Scalability in Action

Supporting from 1,000 to 27,000,000 connected devices



Key Takeaways

- Extensible communications platforms must be:
 - Scalable
 - Interoperable
 - Secure
- Multi-purpose platforms deliver value in the field today
- Landis+Gyr is committed to your success



Leveraging Distributed Intelligence



Computing power at the edge of the network to support dynamic energy grid



Scalable.

Interoperable.

Secure.

Future Ready.

Get there with Gridstream® solutions
from Landis+Gyr.

