

The background of the entire page is a high-angle, nighttime photograph of a city skyline, likely New York City, featuring numerous illuminated skyscrapers. A semi-transparent green rectangular box is positioned in the upper left quadrant. Within this box, there is a pattern of binary code (0s and 1s) and light blue hexagonal outlines. A small green plus sign is located at the top left corner of the green box.

Cybersecurity Solutions

Landis+Gyr

The energy sector is experiencing a rise in cyber attacks on critical infrastructure, with attackers becoming increasingly knowledgeable about operational technology (OT) environments and employing more targeted, sophisticated tactics. Growing interconnectivity, distribution (e.g., DER), and automation of substations and grid edge applications have expanded the attack surface.

Security Made Simple Across the Energy Distribution Space

Grid operators and solution providers need reliable end-to-end visibility of their operational technology to protect the grid. Moreover, they must verify to authorities that they comply with the growing number of cybersecurity and resilience requirements defined in standards and regulations.

Landis+Gyr's security experts have developed security solutions that cover the entire grid, from central OT to substations, to head end systems and grid edge devices.

How We Secure Your Grid:

OT Security

Landis+Gyr's OT Security solution is a powerful network-based intrusion detection system specifically designed for OT environments. The tried-and-tested OT monitoring with anomaly detection gives operators and security managers full OT visibility and real-time notifications, enabling them to quickly target and mitigate cyber attacks and avoid the disruption of industrial processes. Landis+Gyr can also help bridge any skills gap by operating the OT Security solution as a Managed Service.



KEY BENEFITS

- Full visibility of all OT assets and communications
- Immediate detection of known hardware and software component vulnerabilities
- Real-time detection of suspicious and malicious activities, as well as technical error states within the OT

Head End Security

Based on our experience protecting 300+ utilities with managing and securing their head end systems, Landis+Gyr's Head End Security solution ensures your head end is operating safely and securely, and is always available. The Head End Security solution provides continuous monitoring with advanced anomaly detection managed by Landis+Gyr's security team, reducing the need for a specialized workforce and enabling rapid response to minimize impacts on smart meter management.



KEY BENEFITS

- Real-time detection of any attacks and tampering attempts on your head end
- Real-time detection of any compromises within your advanced metering infrastructure
- Immediate availability of all details concerning any suspicious activity

Grid Edge Security

Smart meters, sensors, and distributed energy resources at the grid edge represent hundreds of millions of potential access points into local and national power grids. Landis+Gyr and its subsidiary, Rhebo, have developed an edge-based solution that provides security monitoring with anomaly detection and security automation directly on the edge device. The Grid Edge Security solution protects the network and central systems from grid edge attacks. The OS-agnostic solution can be easily integrated by vendors of grid edge devices due to its containerized deployment.



KEY BENEFITS

- Expanded industrial cyber visibility to the edge
- Detection and mitigation of attacks on grid edge devices
- Protection of the IoT network as well as central control systems from grid edge cyber attacks

PKI as a Service

Landis+Gyr provides a comprehensive, cloud-based security offering that gives utilities a robust, scalable digital certificate management service. Secure digital certificates and keys verify the authenticity of entities involved in energy network communications and provide secure management for the exchange of information over the internet.



KEY BENEFITS

- Automated certificate lifecycle management for Landis+Gyr IoT
- Operational certificates for Wi-SUN enabled radio nodes
- No need for specialized infrastructure & staff



Security Policy Development and Review

The electrical markets—and the distribution space in particular—are seeing an increase in cybersecurity requirements and legislation worldwide. Building on our core security solutions and more than 125 years of experience in energy management, Landis+Gyr offers multiple options for customers to develop, enhance, and validate their cybersecurity strategy and ensure compliance for their electrical grid. Landis+Gyr is a trusted partner to assist your compliance and OT teams to:



Understand and contextualize new security legislation and standards



Find the right technology to ensure security and compliance with evolving requirements

Protecting critical infrastructure is a continuous battle. With a comprehensive range of solutions and offerings, Landis+Gyr is your trusted partner in the cybersecurity fight. To learn more about Landis+Gyr's cybersecurity solutions, visit <https://www.landisgyr.com/cybersecurity/>.



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.