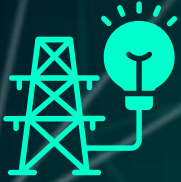


Kaspersky IoT Secure Gateway



Cyber Immune gateways for connecting
ENERGY EQUIPMENT
to clouds and business systems

Scenario N°1

Gateway as a **software data diode** with
functionality of industrial protocols
converting (one-way data transmission)

- **Safe and secure transport** of previously unavailable data for business
- **Trusted data received from the gateway** help to build digital analytics and equipment operation forecasting services
- **Universal software data diode converter** to transmit telemetry data to variety of EMS*
- **Telemetry data collection** in the networks of distributed generation and distribution
- **Monitoring of gas and steam turbine parameters** to optimize operation and foresee equipment breakdowns
- **Monitoring and data collection** of a superchargers' infrastructure



*Energy Management System

Scenario №2

Gateway as a firewall with data routing functionality (two-way data transmission)

- **Sending security events via the Syslog protocol**
- **Safe and secure two-way data transport of previously unavailable data for business**
- **Signature-based intrusion and anomaly detection to provide protection from external threats**
- **Gateway as a part of M2M systems**
- **Cyberprotection of infrastructure, equipment, APCS and SCADA systems while connecting to IT systems and during data collection**
- **Local storage of collected data (buffering), emergency data buffer**
- **Data protection and transmission for Technological Information Exchange System (TIES) with Electrical Network Service Operator Automated System**
- **Data collection from digital substations to control, monitor and optimize load**
- **Remote access to generation nodes (for example, DGS*), retranslation of control instructions**

*Diesel generator system



Additional notes:

- **Creation of ecosystem using Kaspersky Lab products such as KISG+KUMA+KSRW+KICS+KSC to provide an end-to-end protection of a production line**
- **Centralized management of Kaspersky Lab products via Kaspersky Security Center**