Kaspersky IoT Secure Gateway

Cyber Immune gateways for connecting
OBJECTS OF URBAN ENGINEERING SYSTEMS
to clouds and business systems

Scenario №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

- **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 BMS*

- **Protection** of a critical urban infrastructure and urban households including outdoor and indoor IoT infrastructure

- **Realization of scenarios related to «Safe City»** including video surveillance, pedestrian traffic control, environmental monitoring of urban objects, etc.

- **Protection** of a traffic lights network, a road infrastructure and urban parking infrastructure

- **Monitoring and protection of an urban engineering infrastructure** (water supply, power supply, central sewage, waste storage areas)

*Building Management System

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

- **Signature-based intrusion and anomaly detection** to provide protection from external threats

- **Remote monitoring and engineering systems management** of large separate buildings (shopping malls, business centers (A, B class))* **

- **Overall protection** of industrial (hazard) objects in urban areas

- **Protection and realization of scenarios «Smart house»** in elite residential complexes and villages*

- **Complex protection** of a federal and urban data centers' infrastructure

- **Monitoring and protection** of an urban engineering infrastructure (water supply, power supply, central sewage, waste storage areas)

Notes:

* When integrating KISG gateways with BIM systems

** Using ecosystem of Kaspersky Lab products: KISG+KUMA+KSRW+KICS+KSC