aprotech

Kaspersky
IoT company

KasperskyOS
Operating system

Kaspersky IoT Secure Gateway

Cyber Immune gateways for connecting objects of **CRITICAL URBAN INFRASTRUCTURE AND URBAN HOSEHOLDS** to cloud management and monitoring services and business systems

Scenario №1 — Gateway as a software data diode (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 CIS*

- **Protection of a critical urban infrastructure** and urban households

- **Realization of scenarios** related to the environmental monitoring of urban objects

- **Protection of a traffic lights network** and a road infrastructure

- **Protection** of an urban parking infrastructure
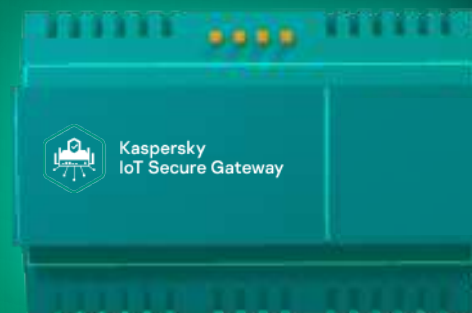
*Corporate Information System

Gateway as a router (two-way data transmission)

- **Sending security events** via the Syslog protocol

- **Safe and secure** two-way data transport of previously unavailable data

- **Analysis of industrial protocols (with intrusion detection/prevention functions)** 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 (dangerous) objects in urban areas

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

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

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

Notes:

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

**When integrating KISG (gateway) with BIM systems