

# inVention

Telemetry, telematic,  
IIoT, MQTT solutions  
for all markets



Get presentation  
with case studies  
listed below



## The main areas of application for telemetry and location modules:

- water and sewage systems management
- heat and professional power industry
- industrial automation
- logistics and storage of goods
- manufacturing
- facilities protection
- transport
- environment protection
- agriculture and horticulture

## Example applications:

- monitoring and control of pumping stations
- measurement of temperature and humidity in medical refrigerators, blood donation stations, medical transport, and storage facilities for medications, vaccines, and fertilizers
- data acquisition from sensors and measurement devices in district heating systems with GSM/Ethernet transmission to supervision and control systems
- monitoring of gas reduction stations
- monitoring of parameters in waste containers
- detections of leaks in pipelines
- remote reading of media consumption (water, heat, gas, electricity)
- remote supervision of industrial automation installations
- location of vehicles and containers
- measurement of water level (in wells, water intakes, rivers)
- measurement of water tanks filling
- monitoring of overhead transmission lines
- monitoring of lifts operations
- monitoring of temperature and humidity in silos
- data transmission from meteorological stations
- air pollution measurements
- monitoring parameters and control of the cathodic protection installation of pipelines, tanks and other metal structures buried in the ground or immersed in water
- data collection, visualization and analysis based on cloud solutions non-contact temperature control of elements in the electrical switchboards
- large scale irrigation systems for crops, fruit and vegetable farms, forest areas and gardens



## Inventia's offer stands out:

- Possibility of remote configuration, control logic programming and firmware update in the already installed equipment via 2G/4G (Cat. 1, Cat. M, NB-IoT, LTE450)
- System flexibility due to the open standards used (MQTT, Modbus TCP, Modbus RTU)
- Possibility of cooperation with standard devices (PLC controllers, I/O systems, measurement equipment) that support standard communication protocols (e.g. Modbus RTU/TCP, Gazmodem, MBUS, NMEA, Genibus, IEC 60870-5-140)
- Possibility of using any visualization system thanks to the data sharing through the standard OPC interface (OPC DA, OPC UA)
- Possibility of integration with databases and the user's IT environment using the standard ODBC interface and CSV files
- Minimum operating costs (remote control and updates, spontaneous event-initiated transmission, creating a mirror status of external devices, advanced diagnostics, scalability)
- Possibility of integration of all our devices in one, consistent system available in two variants: cloud based DataPortal service and MTDataProvider – standalone solution running on customer machine

# inventia



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