



OrionM2M™ enters the EU market

ORIONMETER ORN-TWM-LW868, LoRaWAN radio modem, designed for taking and remote transmission of readings of hot and cold water meters, has successfully passed the European safety certification.

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OrionM2M™ enters the EU market with BatteryCare technology as part of the ORIONMETER ORN-TWM-LW868 LoRaWAN radio modem!

OrionM2M™, a company specializing in the production of devices for telemetry systems for reading, transmitting and processing data, announced that it had successfully passed the tests required to obtain the European certificate of safety for goods.

The CE certificate was obtained for the ORIONMETER ORN-TWM-LW868 radio modem, intended for taking readings of hot/cold water meters Apator Powogaz S.A. with subsequent wireless data transmission over the LoRaWAN network.

The radio modem provides 7 years of operation without changing the power source due to BatteryCare technology. This technology optimizes energy consumption and includes:

- an innovative power plan;
- optimization of the program code using the capabilities of the microcontroller at the level of its architecture.

Congratulations to OrionM2M™ on a successful entry into the EU market!

Running out of battery?

Degradation of active chemical in power supplies of IoT devices

Most devices in transmit mode generate a peak battery load of 80-135 mA (40-65 times more than optimal) during a communication session of 2-12 seconds



The real lifetime of the device in this mode is <2 years

Organizational and financial costs when replacing a power source or the entire meter

OrionM2M Battery Care Technology



LoRa Alliance Member

Data transfer for 7 years without replacing the power supply in OrionM2M IoT devices

Optimization of device power consumption including:

- an innovative power plan;
- optimization of the program code, using the capabilities of the microcontroller at the level of its architecture;
- enlarged fragments of the sleep phase of the device.

ORIONMETER - peak load on the battery no more than 4.55 mA with a communication session <2 s (versus 80-135 mA for competitive devices on the market with a communication session <12 s)