



CatsEye II RTU

Remote Telemetry Unit for a variety of instrumentation

Remote

Reliable

Relevant



The CatsEye RTU (Remote Telemetry Unit) from UDLive is a highly versatile and reliable remote communications solution for a wide range of industrial instrumentation.

By integrating the CatsEye RTU with your existing sensors or instruments, you can enable two-way remote communications, allowing you to:

- Calibrate and configure your instrumentation remotely
- Receive all data remotely, including extended functionality, such as diagnostics



UTILITIES



RAILWAYS



PUBLIC SECTOR



RESIDENTIAL



INDUSTRIAL

Features

- Device fully self contained (incl. power & comms)
- Compatible with 4-20mA analogue, HART, Modbus, SDI-12, RS-485, RS232, CAN Bus
- Easy to install and replace: typically <5 mins
- Data can be viewed live via our web based portal, or fed directly into existing asset management or modelling systems via an API
- Configurable data capture and dial in rate (from 5 min intervals upwards)
- Data can be collected either from standalone instruments or as part of a loop
- Long battery life and can power connected equipment
- External antenna option for low signal locations

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Drainage Management Services Limited "UDlive".
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 Uses cellular (2G, GPRS), and low power cellular (4G, NB-IoT, CAT-M1) comms with all UK networks, so no requirement for additional comms infrastructure

 Azure & AWS supported, so data can be fed directly into other asset management or modelling systems if required

 Intuitive online portal maps all your devices. Shows current and historic data, with accompanying diagnostics to verify the reliability of the data

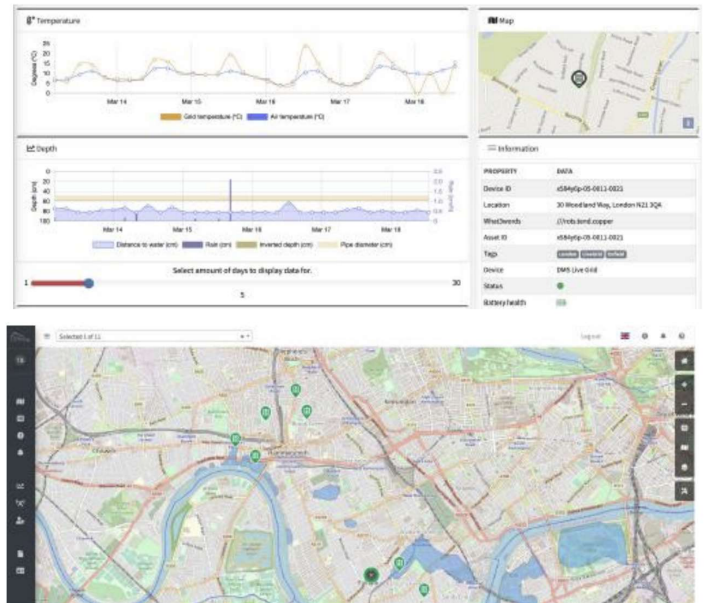
 Movement sensor alerts when device is moved. Useful for both safety, and confirmation that scheduled activity has been performed

 Data is fully encrypted at source, not only complying with current data security guidelines, but future-proofing against more onerous requirements

 Temperature sensor included. Expansion capability (e.g. gas) also available

 Device is extremely durable – doesn't suffer fragility issues

UDlive Portal



Specification

Category	Details
Sensors	Accelerometer, MEMS + Wake Thermocouple 0.5°C accuracy BLE Controller Ask for more
Power	7+ year lifetime OTA power plans End of life monitoring 30uA sleep consumption
Battery	Hi grade Li-SoCl2 battery Field replaceable
Environmental	IP68 Encapsulation -20°C to + 70°C ATEX Zone 2
Connectivity	NB-IoT CAT-M1 2G and GPRS Low power Wi-Fi Readings & transmissions available at 5-minute intervals
Security	AES256 encrypted bootloader Digital signing of verified code TLS 1.2 End to End encryption

Compatibility

4-20mA analog
HART
Modbus
CAN Bus

Other

FOTA Updates with delta
RFID ID tag included
Ultra-low power micro
Large internal memory
Multi-protocol expansion port

Data and Platforms

Available Options	Details
Platforms	Microsoft Azure AWS PTC Thingworx Ask for others
Interfaces	UD Live Portal UD Live API Confirm® Custom Integrations

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