



## Pulsar provides CSO monitoring capability for Slovenia's largest water distribution company.

The wastewater network in Ljubljana dates back to 1882 when the first sewage canal was constructed and that same canal is in use today. The underground sewage canal network is vital to Javno podjetje Vodovod-Kanalizacija d.o.o. Ljubljana's mission of supplying healthy drinking water to Ljubljana's people and systematically draining and treating wastewater from the sewage system.

In recent years, Javno podjetje Vodovod-Kanalizacija d.o.o. Ljubljana have begun tackling the issue of sewer canal sections posing a high risk threat of spilling into the local rivers. As part of this development, MIMOS, a Pulsar Measurement distributor, were invited to install equipment

which would monitor the sewer level and measure flow at the high risk spillage river points.

A total of fifteen points of measurement were supplied and fitted using Pulsar's 136 Level CSO and an accompanying dB3 or dB6 Transducer. A control panel to house the Blackbox 136 Level CSO controller, modem, and battery was also supplied during the installation to aid the equipment in its remote environment.

The proprietary software, Varia Program supplied by MIMOS, provides Javno podjetje Vodovod-Kanalizacija d.o.o. Ljubljana with a total view of the measured results straight to their computer.

From their office they can analyze the measurement result and, easily and quickly send information to the government when requested.

Pulsar Measurement's Blackbox 136 Level CSO controller is a sophisticated ultrasonic system specifically designed for non-contacting monitoring of level or overflow events, with exceptionally low power consumptions to maximize battery life.



*Pulsar's Blackbox 136 CSO provides an immediate view of sewage overflow events in Ljubljana, Slovenia.*

With the success of these first fifteen points of measurement, MIMOS have now supplied a further twelve points of measurement to the Slovenian end user. Pulsar have, in total, installed thirty-nine level measurement devices at thirty-one locations in Slovenia.

Since the deployment of the Blackbox 136, the product has been replaced with the Blackbox 130 - with all the same features, just with a convenient and simple on-board display.

## More Information

**Blackbox 130:** <https://pulsarmeasurement.com/blackbox.html>



## Featured Products



Blackbox 130



dB3 Transducer



dB6 Transducer



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