

Unidata

environmental monitoring & industrial measurement

Unidata Pty Ltd is an 80% subsidiary of NIWA Group, based in Perth, Western Australia. We specialise in the design, manufacture, supply, and support of new technologies for environmental monitoring.

Neon is on the horizon

The next generation of Unidata's flagship data acquisition and processing system, Crossramp, is now under development. The redeveloped system, to be known as Neon, will include new features such as real-time, two-way communications, satellite communications, and an improved field unit.

The longest-running Crossramp customer is Alinta Gas, Western Australia, which has been using the system for gas metering over the past four years.

Crossramp uses a series of 'XRT' (Crossramp Remote Terminal) field units which collect and regularly 'push' data to a secure server via a cellular network. The timetable for pushing data is preprogrammed, but allows for alert and ad hoc reporting. As well as data storage, the Crossramp server can format data for easy uploading into the client's data processing or billing systems.



Unidata in China

The Hong-Shui-He Irrigation Catchment in Gansu province, northwest China, covers about 210 000 square kilometres – almost twice the size of the North Island of New Zealand. There are 5 main irrigation channels, and 43 secondary channels, largely servicing crop farmers.

Unidata's Starflow ultrasonic Doppler flow meters are now being used in the network, as part of a pilot project developed with the Chinese Ministry of Water Resources. Starflow is a complete hydrographic data collection system, combining water velocity, depth, flow, and temperature instruments integrated with Unidata's Starlog micrologger.

Unidata products have been available in China for several years. Our representatives there are Australian Water Management, Sydney.



Unidata staff demonstrating a typical gauging station in the Perth metropolitan area.



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great services