

Smart Solutions for Network Management



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Smart Solutions for Network Management

Technolog have been supplying complete monitoring and control solutions for water and waste water distribution networks for over thirty five years. Technolog's innovative, wireless battery powered data loggers and pressure controllers are easily deployed to complement existing Supervisory Control and Data Acquisition (SCADA) systems to enable utilities to efficiently manage their resources reducing user operating and capital costs.

Typical remote monitoring applications include, but not limited to:

- **Transmission:** Supply Pressure, Transient Recording, Flow
- **Pressure Managed Areas:** Advanced Pressure Control, Control Valve Stability, Distribution Flow, Average Zonal Pressure, Levels of service, Water Temperature, Step Testing
- **District Metered Areas:** Flow, Meter Reading
- **Effluent and Waste Water:** Sewer Level, Discharge consent levels, Open Channel Flow, Dissolved Oxygen, Hydrogen Sulphide, Turbidity
- **Reservoirs & Storage Tanks:** Level and Overflow
- **Rivers and Streams:** Flood Warnings, Flow, Water Quality
- **Weather:** Rainfall, Humidity, Temperature and Wind speed
- **Farming & Irrigation:** Soil Moisture, Flow , Meter Reading
- **Pumping Stations:** Pressure Control, Duty Cycle, Run time, Status and Efficiency
- **Water Extraction & Wells:** Level, pH. Turbidity
- **Water Treatment Plant:** Water Quality, Chlorine Dosing, Turbidity
- **Power & Energy:** 3-Phase supplies, Current consumption, Metering
- **Customer Service:** Levels of service, low pressure complaints, data access over the Web
- **Rivers and Streams:** Flood Warnings, Flow, Water Quality



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Remote Monitoring

Cello 4S



A remote telemetry unit delivering a scalable solution reducing user operating and capital costs. Multiple site parameters are monitored, recorded and transmitted over cellular networks. The Cello 4S features up to 8 channels with user programmable digital or analogue inputs. Dedicated versions are available for pressure and flow recording. Smart features include built-in water temperature monitoring, tilt sensing, daily battery fuel gauging and 100Hz pressure transient monitoring for pipeline condition assessment. All enabled channels can be configured with advanced alarm regimes.



Pressure Control

Regulo



Adding a Regulo to an existing PRV brings both intelligent pressure control and remote monitoring to your distribution network. Easily adapted to most PRVs, the Regulo modulates a fixed outlet pressure in relation to Time, Flow or via Closed Loop - based on real-time feedback from one or more Cello 4s data loggers deployed in the network. Distribution pressure is optimised 24/7 to deliver a significant reduction in non-revenue water, and burst frequency. Long term benefits include increased asset life, reduced pumping and treatment costs and deferral of capital investment for network replacement.



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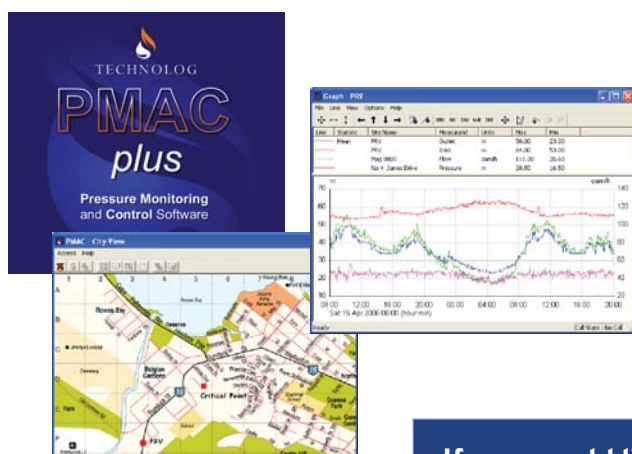
Host and Web Based Software solutions

Whether you are looking for a simple or enterprise wide software solution Technolog's has got you covered. Technolog provide full data analysis and integration with SCADA regardless of local data requirements.

WaterCore

Web based software facilitates automated collection of remote data, site visualisation and management.

WaterCore builds on Technolog's excellence in data logging, remote data collection and pressure management by complementing its cutting edge technology with a highly scalable and configurable web based platform. Suitable for installation on a local server, corporate intranet or hosted by Technolog UK. WaterCore provides access to historic data, graphs and reports, maps, alarms, and full configuration of dataloggers and pressure controllers.



PMAC Plus

PMAC Plus PC software provides a simple, robust and economical platform for collecting data from remote locations.

If you would like to learn more about how Technolog's remote monitoring and pressure control solutions can help optimize your water distribution network, please call your local distributor or Technolog today.