Case study
Remote monitoring

Water & wastewater
Products
Customer:

Falköpings kommun
Municipality in southern Sweden
www.falkoping.se

Objective:
Monitoring of the municipal water network
A number of measuring points for flow and pressure in the municipality's water network lack power and telecommunication and thus can't be connected to the computerised monitoring system. To monitor these points, Fallköping municipality uses Mitec RMS and SatelLite60 battery-powered GSM-measuring stations and measuring server Mitec Monitor.

Solution:
- Mitec battery-powered GSM measuring stations connected to remote flow meters and pressure sensors.
- Customer managed server for data acqusition

Advantages:
- Remote points in water distribution network can be monitored using wireless equipment.
- Early alarms on water leakage and loss
- Simplified leakage detection and savings on reduced water consumption
- Detailed documentation

Mitec's system gives the municipality full control of the flow at remote strategic points, and enables leaks and abnormal usage to be located simply and quickly. Usage reports are created and distributed within the organisation.

Portable measuring station type RMS

Products

Measuring station:	Battery powered Mitec SatelLite60-K and RMS GSM stations.
Communication:	GSM dual band 900/1800.
Power supply:	12V alkaline battery pack with 6 month durability. ISO14025 environmental declaration.
Sensors:	Existing mechanical water meters with pulse output. Pressure sensors.
Data acquisition:	Customer managed servers running Mitec Monitor measuring.
Information distribution:	Automatic export to customers own data base.

Sat60-K GSM measuring station

Compact battery box

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