Case study
Remote monitoring

District heating optimisation
Customer:

Borlänge Energi –municipal district heating

Objective:
Adjust district-heating system for optimum performance.
Borlänge Energi is a Swedish municipal producer and distributor of water, electricity and district heating. The district-heating network is constantly maintained and optimised to maximise efficiency and performance. The company uses Mitec's portable AT40 GSM-logging system to monitor temperature and pressure. Data is collected by Mitec servers and presented on Internet using the Mitec service www.it-sensors.com.

Solution:
- Mitec portable battery powered GSM measuring stations with temperature and pressure sensors.
- Mitec servers collect data for storage, and presentation.

Advantages:
- Operators can immediately follow the energy process on Internet and optimise flow, pressure and temperature.
- Remote locations in heating network can be accessed and monitored.
- The sturdy portable measuring stations are quick to install and can easily be moved.
- Information is available throughout the organisation and no local software is needed.

Products

Measuring station:	AT40 portable battery powered GSM-measuring stations.
Communication:	GSM dual band 900/1800.
Power supply:	12V standard alkaline batteries.
Sensors:	Temperature and pressure.
Data acquisition:	Mitec servers collect data and store in database.
Information distribution:	On Mitec service www.it-sensors.com

Mitec portable AT40 system

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