

Case study

Remote monitoring



Environmental monitoring – road build

Customer:



Vägverket

Swedish Road Administration

www.vv.se

Objective:

The Swedish National Road Administration authority has overall responsibility for Sweden's road transport system and is also responsible for the construction, operation and maintenance of state roads. As part of the major construction project of the E6 highway to Oslo, wastewater from the site is monitored using the Mitec GSM-system. Mitec stations continuously register pH, conductivity and turbidity using the Internet service on www.it-sensors.com.

Solution:

- Mitec GSM measuring stations measure and log turbidity, pH and conductivity.
- Mitec servers collect data for storage, alarm and presentation.

Advantages:

- Immediate alarms via SMS if pollution of water and environment is detected.
- Remote supervision of local construction company activities.
- Documentation for quality system.

Customer have outsourced monitoring of the project to Mitec and can focus on primary tasks knowing reliable data is always available on the nearest Internet connected PC.



Products

Measuring station:	Satellite60-K compact GSM-measuring stations.
Communication:	GSM dual band 900/1800.
Power supply:	230V 50Hz from customers pump and process equipment system on site.
Sensors:	pH, conductivity and turbidity.
Data acquisition:	Mitec servers collect data and store in database.
Information distribution:	Presentation on Mitec Internet service www.it-sensors.com . Level alarms sent directly to supervisor using SMS.



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