

# Case study

## Remote monitoring



### Pulp & Paper

**Customer:**



Nalco Chemicals  
Multinational chemical producer.  
[www.nalco.com](http://www.nalco.com)

**Objective:**

Running-in of processes in the paper industry. The company uses the system to measure and monitor critical parameters in its dosing system, enabling them to optimise start-up and service. During start-up and process adjustments, much is expected in terms of fast service and competence.

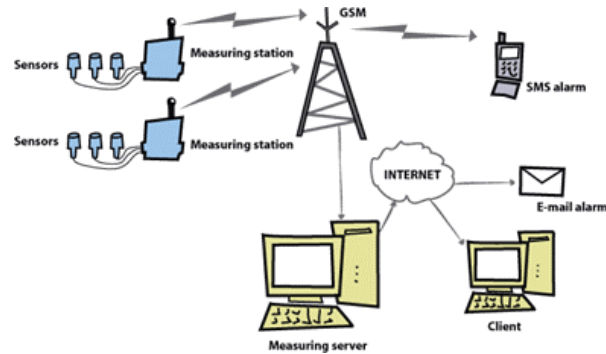
**Solution:**

- Mitec GSM measuring stations log and monitor pH, turbidity and conductivity on site.
- Mitec server collects data daily and presents as diagrams on Internet service [www.it-sensors.com](http://www.it-sensors.com)

**Advantages:**

- Early malfunction warnings and decreased service costs
- Improved service
- Improved system knowledge
- Closer customer contact

Regardless of where they are located, Nalco's technicians can access information via Mitec's system [it-sensors.com](http://it-sensors.com) and can immediately take relevant action. The system is currently installed in 8 European countries.



System overview

### Products

<b>Measuring station:</b>	Satellite60 with 8 4-20mA inputs. AT40 universal measuring station.
<b>Communication:</b>	GSM dual band 900/1800.
<b>Power supply:</b>	230V / 50 Hz. Optional 7 day battery UPS backup.
<b>Sensors:</b>	4-20mA pH and conductivity sensors and BTG turbidity transmitter.
<b>Data acquisition:</b>	Mitec-based servers in the Internet measuring service system.
<b>Information distribution:</b>	Internet using <a href="http://www.it-sensors.com">www.it-sensors.com</a> . Embedded presentations in Nalco web-based extranet.



Satellite60-S



Internet presentation

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