

Case study

Remote monitoring



Machines & equipment

Customer:



Hägglund's Drives AB
Swedish hydraulic-motor manufacturer
www.hagglunds.com

Objective:

Monitor performance of hydraulic motors in global applications.

Hägglund's Drives uses Mitec's measuring system to monitor hydraulic motors and systems at their customers' premises in 9 different countries. Trend diagrams and statistics for individual motors are available on the company's extranet and can be accessed by both customers and service personnel.



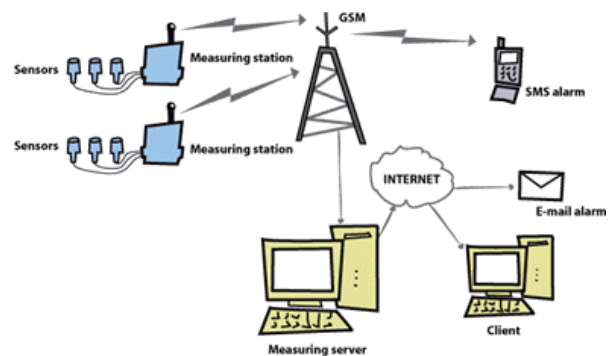
Solution:

- Mitec GSM measuring stations log and monitor temperature, pressure and rpm of motors on site.
- Hägglund's measuring server collects data daily and presents as diagrams on intra- and extranet

Advantages:

- Early malfunction warnings and decreased service costs
- Improved global service
- Improved system knowledge
- Enables company to sell performance instead of motors

As well as helping Hägglund's to better plan service and anticipate longevity of their motors, Mitec's measuring system is the foundation of their strategic machine monitoring business strategy to guarantee a function instead of simply selling a product.



System overview

Products

Measuring station:	Satellite60 with 8 4-20mA inputs. RMS40 universal measuring station.
Communication:	GSM triple band 900/1800/1900 an fixed telephone line
Power supply:	110/230V 50/60 Hz. Optional 7 day battery with UPS backup.
Sensors:	Hägglund's 4-20mA pressure sensors, 40, 400, 600 Bar, temperature, and RPM (pulse)
Data acquisition:	Customer owned server running Mitec Monitor.
Information distribution:	Local network and and extranet. Internet www.it-sensors optional.



Satellite60-S



Internet presentation

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