



INSTALLATION OF WIRELESS
SENSORS FROM PURESIGNAL

Jönköping Energi - pioneers in preventive maintenance

Jönköping Energi saw the value of new technology early on. By installing pureSignal wireless sensors and checking data via the app, damage can be detected in time. “We want to do the right maintenance,” says Ola Sjöland, maintenance manager.

Jönköping Energi put its first power plant into operation in 1907 and today they supply electricity, heating, and cooling to 57,000 customers. The plant has pumping stations, cooling plants and heating plants spread over a large geographical area. Jönköping Energi started working early on with improvements to find sustainable solutions, and one area was remotely monitored condition monitoring. When machine monitoring and condition measurement were done manually, there was a lot of travel between plants. In addition to being time-consuming, it also meant an unnecessary safety risk for the staff.

Easy to use, high-quality measurement data

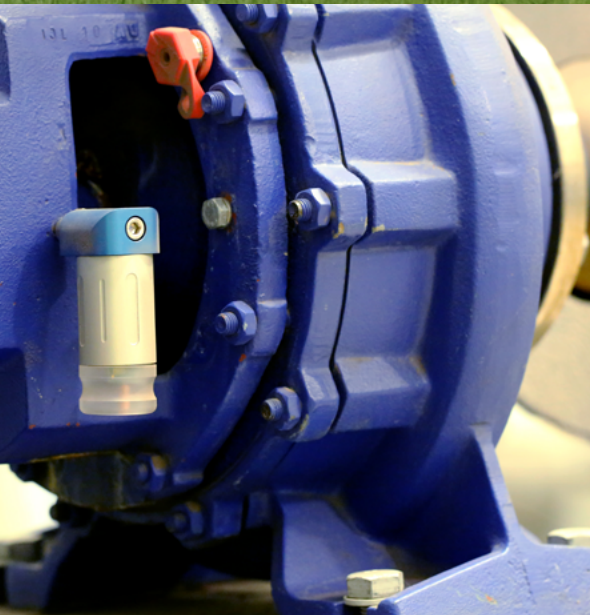
After evaluating different wireless systems, the choice fell on pureMEMS from pureSignal. There were several reasons, including the simplicity of the app, the handling of long distances and the quality of the measurement data. Everyone in the maintenance team has access to the app, which makes the work easier. Several anomalies have been identified and potential errors have been fixed before they became critical. When monitoring of the vibrations on the same machine takes place continuously, continuity can be achieved.

- “Now we are no longer blind”, says Ola Sjöland, maintenance manager at Jönköping Energi.

Cloud solution with a complete overview

The system from pureSignal is self-contained and does not need to be integrated into the existing IT structure, another factor that facilitates implementation. A cloud solution provides a complete overview of all dispersed facilities. In the future, Ola also sees value in the scalability of the system and the opportunity to expand with a condition-based lubrication system.

MLT Maskin och Laserteknik is proud to have Jönköping as one of their first customers and follows the early installation of pureMEMS at the district heating plant in Gränna, two 2 MW boilers, almost daily. Since then, the system has been expanded to the district cooling plant in Munksjön and the pumping station at the pier in Jönköping.



“Now we are no longer blind”

Ola Sjöland, maintenance manager at Jönköping Energi.



Can detect indications of faults early

By monitoring the pumps in the district cooling plant and finding indications of faults early, it creates direct value for the plant manager.

“There is value for me as I am the one who must pay if something breaks. What we have installed on the cooling plant now is a first step to get better control,” says Bengt Johansson, plant manager at Jönköping Energi. When faults are detected in time, uptime can increase, and maintenance costs can decrease.

Next generation of wireless radio technology

The company pureSignal has sprung from long experience of measuring the condition of factories. With pureMEMS, you do this through the next generation of wireless radio technology. Uncompressed, quality data is essential to pureSignal. The company is wholly owned by the family-owned company Erinova Group, a multi-company group that has been active in the industry for more than 35 years. Monitoring the condition of machines is part of the company's DNA.

