SAVING LIVES WITH INTELLIGENT TECHNOLOGY

Discover how a top-ranked hospital remained operational

GRUNDFOS iSOLUTIONS

PUMP CLOUD SERVICES

In partnership with AUGURY

The challenge

A leading educational and research hospital based in Baltimore, USA, needed to ensure that its machines were up-and-running at all times. Since the hospital's on-site power plant provided power for life-critical equipment, machine failure was not an option. Previously, the maintenance team contracted the predictive maintenance analysis to a third party. However, results were vague, generic and unactionable. It culminated when a crucial pump failed unexpectedly. By that point, the maintenance team knew they needed to find a new solution that would help transform its maintenance program.

75%
COST REDUCTION PER MONITORED MACHINE

$635,000+
SAVED BY EARLY IDENTIFICATION OF ISSUE

3
CATASTROPHIC FAILURES PREVENTED

"This Machine Health solution makes it so much easier to monitor our critical equipment. With minimal training, my technicians can quickly use and become familiar with the platform. That allows us to identify and diagnose issues before they become serious headaches."

Assistant Director of the hospital's on-site power plant

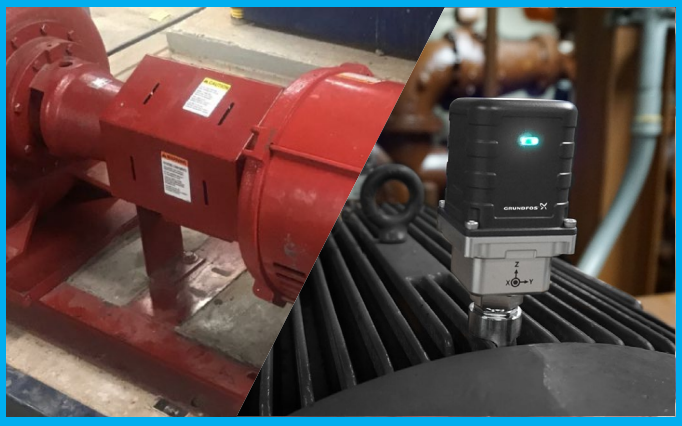
Topic: Digital machine monitoring
Location: Baltimore, Maryland, USA
Customer: Educational and research hospital

The solution

The team employed a continuous and portable diagnostics solution – the technology behind Grundfos Machine Health. They were then able to schedule condition-based maintenance to proactively address developing issues and avoid downtime. With new insights at both machine- and facility-level, the team could focus on the equipment needing the most immediate attention, eliminating unexpected failures and ensuring guaranteed uptime for the hospital's most life-critical equipment.

The result

Within the first 12 months of deployment, the maintenance program at the hospital was transformed. The intelligent algorithms detected three potential catastrophic failures in the chilled water and steam systems – failures which, if left undetected, would have resulted in a total maintenance cost of more than €635,000 ($750K). In addition, the ease of scalability meant that the maintenance team was able to increase the number of monitored machines from 44 to 155, while reducing the average cost per monitored machine by 75%.



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