



**GRUNDFOS
SERVICE &
SOLUTIONS**

UNPARALLELED MACHINE DIAGNOSTICS TO PROTECT YOUR CRITICAL EQUIPMENT

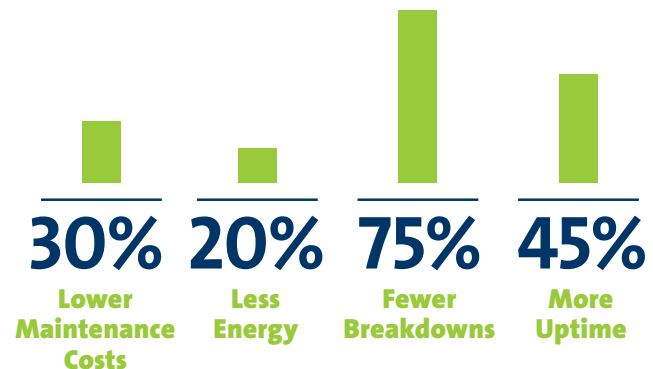
Grundfos brings artificial-intelligence (AI) to the maintenance world with a next-generation machine health solution. The platform, Grundfos Machine Health (GMH), empowers our customers to convert their data into meaningful actions aimed at improving efficiency and preventing downtime.

Advanced sensors watch over your most critical assets 24 hours a day, 7 days a week. Our solution will alert you with a detailed malfunction analysis at the very first sign of a developing issue. You'll receive notification of even the slightest changes to a machine's health status with straightforward, actionable insights.

Wireless sensors on your assets will capture vibration, temperature and other data to constantly monitor the state of your equipment. GMH will send you real-time alerts and reports in the event that it detects a malfunction. Customer success representatives and expert vibration analysts are also on hand 24/7 to provide immediate and continuous support.

OPTIMIZE YOUR PUMPS & SYSTEMS

Our powerful web and mobile platform provides a full set of tools to monitor and manage your predictive maintenance program. Access in-depth insights at the machine level to understand root causes and determine corrective actions. Oversee machine health at the facility level to focus your maintenance attention on the equipment that needs it most. Make informed business decisions with a holistic perspective of your assets across multiple facilities.



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THE MOST ADVANCED MACHINE HEALTH PLATFORM ON THE MARKET

With the largest database of acoustic machine signatures in the world, Grundfos delivers highly accurate diagnostics for your mechanical equipment. Instead of basic threshold alerts, our machine-learning algorithm leverages anomaly detection, which is unique to GMH.

Anomaly detection represents the most advanced, most predictive method for protecting critical equipment. Other products can send alerts based on thresholds, but this is still reactive maintenance — by the time a threshold is crossed, it is too late to prevent damage.

GMH identifies faults based on what is “normal” for each individual pump or machine. Once there is even the slightest suggestion that something abnormal is occurring, you receive an alert via email, text or phone call.

TAKE CONTROL OF YOUR OPERATIONS WITH GRUNDFOS MACHINE HEALTH (GMH):

- Live, accurate and actionable insights to improve your pumps and machines delivered immediately to your web platform, available only from Grundfos
- A temperature measurement range of -40°F to 257°F, rather than the smaller range competitors measure of -40°F to 185°F
- Advanced sensors that offer earlier and more detailed reporting than any other model
- Platform customization, and comprehensive support included in subscription
- Hazloc C1D2 (A, B, C, D, F, G) UL Hazloc certified

Learn how you can reduce maintenance costs and decrease downtime with Grundfos Machine Health (GMH).

CONTACT YOUR GRUNDFOS SALES REPRESENTATIVE FOR MORE INFORMATION.

Grundfos Service & Solutions

Email: DigitalSolutions@grundfos.com

Website: grundfos.us/machinehealth

Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.