



Contact Nick Schiltz
Telephone 563.823.5523
Email NSchiltz@Grace-Eng.com
Website www.GraceSense.com

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Grace Engineered Products, Inc. launches full line of IIoT smart devices for monitoring asset health to help avoid costly unplanned downtime

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GRACESENSE™ PREDICTIVE MAINTENANCE SYSTEM MONITORS EQUIPMENT HEALTH, PROVIDES OPERATIONAL INSIGHTS, ISSUES REMEDIATION INSTRUCTIONS TO PERSONNEL, AND IS NOW READY TO DEPLOY

DAVENPORT, Iowa—Grace Engineered Products announces the new GraceSense Predictive Maintenance System. This technology helps users find failures before they occur. A complete end-to-end solution featuring wireless sensors, configurable hardware architecture, and an intuitive user interface, the Predictive Maintenance System is designed to curb unplanned downtime and provide a swift return on investment.

The initial product offering consists of four unique products and a web-based user interface. The battery-powered GraceSense Vibration & Temperature Node can be deployed onto any rotating equipment to insightfully predict anomalies before they turn into catastrophic failures. The battery-powered GraceSense Temperature Node monitors the surface temperature of any asset. Lastly, the GraceSense Panel-Mount/CloudGate collects data wirelessly from the nodes and transmits to the remote cloud using either an LTE or plant WiFi connection.

In addition to the wireless nodes, GraceSense also offers a complementary non-conductive temperature monitoring device called the Hot Spot Monitor (HSM). HSM is designed to detect the temperature abnormalities in electrical equipment such as Switchgear, MCCs, Transformers, and Bus-bars using bolted connections. A single HSM can be deployed to monitor up to eighteen critical connections within critical electrical assets.

With the nodes and/or HSM deployed and operational, the GraceSense Maintenance Hub serves as a secure remote user interface for configuring the devices and monitoring their analytics. When the monitored equipment parameters exceed a preset threshold value, the Maintenance Hub issues SMS or email alerts to maintenance personnel with step-by-step remediation instructions.

“Ensuring personnel safety is at the core of everything we do here at Grace. With the new GraceSense Predictive Maintenance System, we’ve found an industrially hardened solution that will help facilities

limit their personnel exposure to maintenance hazards through our smart devices, and remote monitoring capabilities,” said Drew Allen, Director of Global Business Development at Grace. “This innovative approach is just another way Grace is making maintenance smarter, safer, and more productive.”

About Grace

Grace Engineered Products is the thought leader in electrical safety product solutions. The GracePort® product is the single most popular panel interface connection used in the industry today. With GracePESDs®, the product category of Permanent Electrical Safety Devices was pioneered by Grace. The new GraceSense™ product line of IIoT smart devices is a marriage of predictive maintenance technology and personnel safety techniques. Grace is a Rockwell Encompass partner with products available around the globe via a distribution network and sales presence in 60+ countries.