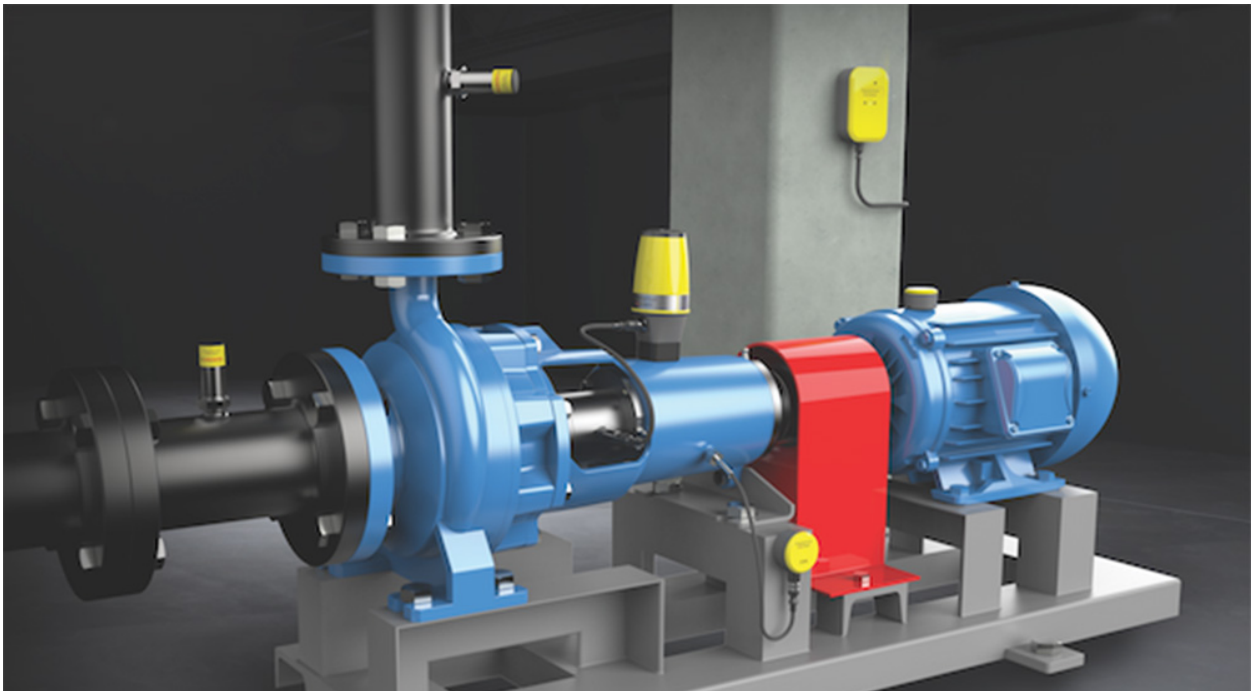
Chesterton Introduces Chesterton Connect™ V2: Advanced IIoT Solution for Comprehensive Pump System Monitoring

Perth, Australia– 04/04/2025 – A.W. Chesterton Company, a global leader in equipment reliability and fluid sealing solutions, proudly announces the launch of Chesterton Connect™, an innovative Industrial Internet of Things (IIoT) system designed to provide comprehensive, real-time monitoring of pump systems. This cutting-edge solution empowers industries to enhance operational efficiency, reduce unplanned downtime, and extend equipment lifespan.

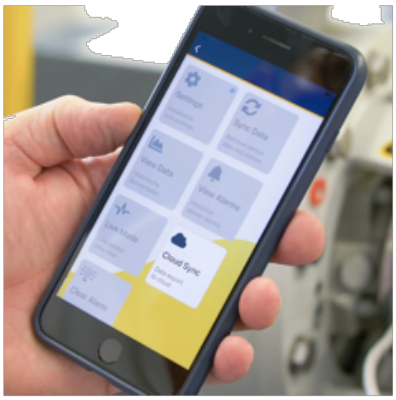


Comprehensive Monitoring for Proactive Maintenance
Chesterton Connect™ provides a comprehensive approach to condition-based monitoring by continuously tracking essential parameters such as vibration, surface temperature, process temperature, and process pressure. Unlike conventional vibration monitoring systems, Chesterton Connect™ considers both mechanical and process-related factors, which represent over 70% of pump failures. This facilitates early detection of potential issues, allowing maintenance teams to implement timely corrective actions before failures occur.

Key Features and Benefits:

- **Process-Focused Condition Monitoring:** Dedicated to pump systems using embedded intelligence, allowing users to visualise pump operation clearly.
- **Remote Reliability Management of Critical Assets:** Suitable for either mechanical seals or packing, with optional wear monitoring solutions for packing installations.
- **Pre-Packaged Pump Configurations:** Engineered to detect common failure modes and recommend configured solutions—basic to ultimate—which include API plan installation recommendations, simplifying and standardising installations
- **Industry-First Environmental Monitoring:** Engineered for support systems, including flush water monitoring or gearbox oil humidity, to enhance comprehensive monitoring of factors that impact pump reliability.

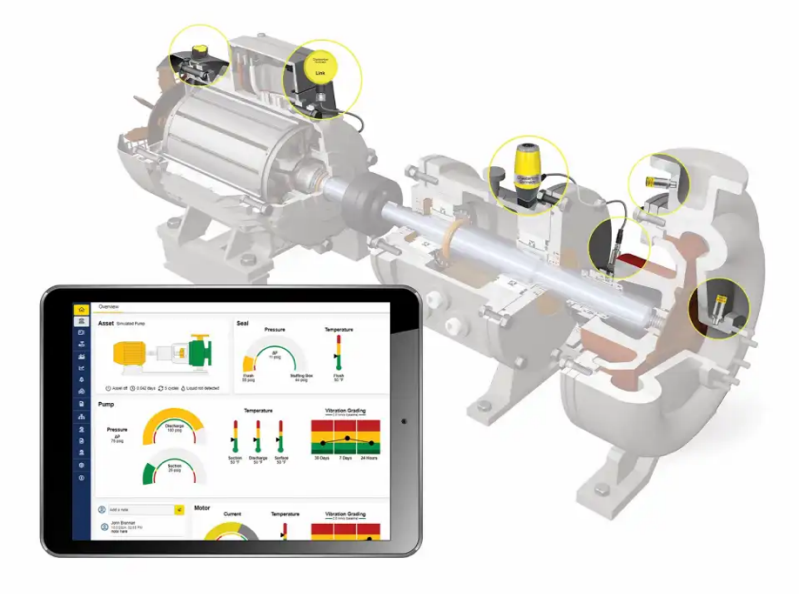
- **Robust Design:** Optimized range of pump sensors engineered to endure harsh industrial environments with IP66 protection ratings and optional hazardous Zone 0 support.
- **Universal Gateways:** State-of-the-art cellular gateways enable robust and reliable global connectivity with optional support for Ethernet bridging in challenging connectivity locations.
- **Plant Integration Option:** Supervisory Control and Data Acquisition (SCADA) systems integrate with Chesterton Connect™ technology using MODBUS TCP, providing data to the control room and enabling secure wireless expansion.



User-Friendly Interface and Accessibility
Chesterton Connect™ offers an intuitive user experience through its mobile app and cloud-based portal. The mobile app, available for iOS and Android, allows for easy sensor setup, real-time data viewing, and configuration changes via Bluetooth®. The cloud portal provides 24/7 remote access to comprehensive pump system data, facilitating performance comparisons, automated reporting, and flexible administration.

Tailored Configurations for Diverse Needs
To accommodate varying monitoring requirements, Chesterton Connect™ is available in multiple configurations:

- **Basic Configuration:** Monitors pressure, temperature, and vibration of the seal or stuffing box, along with suction and discharge pressure measurements.
- **Enhanced Configuration:** Includes all features of the Basic Configuration, plus additional vibration monitors for the motor and pump skid, enabling runtime monitoring and on/off status and water leakage detection.
- **Ultimate Configuration:** Offers comprehensive monitoring by adding motor power monitoring, barrier fluid, gearbox, and bearing box humidity monitoring, along with runtime and cycle count features.
- **AMPS™ (Automated Mechanical Packing System) Monitor:** An optional addition for any configuration, providing packing wear, vibration, and surface temperature monitoring.



Commitment to Industrial Innovation
"Chesterton Connect™ exemplifies our dedication to advancing industrial reliability through innovative technology," said Michael Wachinger, ANZ SEA Regional Manager at Chesterton. "By providing a comprehensive, user-friendly monitoring solution, we empower our customers to proactively manage their equipment, resulting in improved performance and reduced operational costs."

Availability
Chesterton Connect™ is now available in APAC in the following areas:

- Australia
- New Zealand
- Singapore
- Malaysia
- Indonesia
- Thailand
- India
- South Korea

Contact us for more information or to schedule a demonstration or visit our website.

About A.W. Chesterton Company
A.W. Chesterton Company is a leading international provider of industrial fluid sealing systems, high-performance protective coatings, and specialty industrial lubrication. With a history spanning over 140 years, Chesterton is committed to helping clients achieve reliable and efficient operations through innovative solutions and unparalleled customer support.