

AMS ASSET MONITOR – HYDROCARBON PUMP ASSET HEALTH

Identify unique issues associated with high-risk pumps

Hydrocarbon pumps are essential assets to the refining industry, but they come with potential risks. Dual seals reduce the risk of process fluid loss, but a compromised reservoir tank on an unmonitored pump can lead to serious consequences. Depletion of seal fluid levels means lack of lubrication and seal damage. Mechanical switches can stick and cause damage to the entire unit. What seemed to be a healthy pump during infrequent manual inspections can soon be the source of reduced or shutdown operations, expensive repairs, and compliance regulations. Dangerous fumes or even fire threatens the safety of your team and the facility.



The AMS Asset Monitor is an edge analytics device that delivers the benefits of continuous monitoring to more plant assets and far less installation expense.

QUICK, EASY DEPLOYMENT AND USE

- Small footprint size that is easy to mount.
- Field-located close to the pump for easy and lower-cost wiring.
- Predefined asset templates eliminate costly engineering.
- Easy DIY configuration.
- Built-in web service software interface replaces software, server, and licensing.
- Access asset health with any browser-enabled device from anywhere.

AUTOMATED COLLECTION AND BUILT-IN EDGE ANALYTICS

- Continuous data collection eliminates data gaps between collections.
- Automated analysis provides current asset health 24/7.
- Vibration training and experience not required for diagnosis.

INTERFACE DATA TO OTHER SYSTEMS AND ANALYTICS

- Acts as Modbus TCP/IP Slave and OPC UA Server.
- Connects to AMS Optics Platform, Historians, PLC, DCS, and Data Lakes.

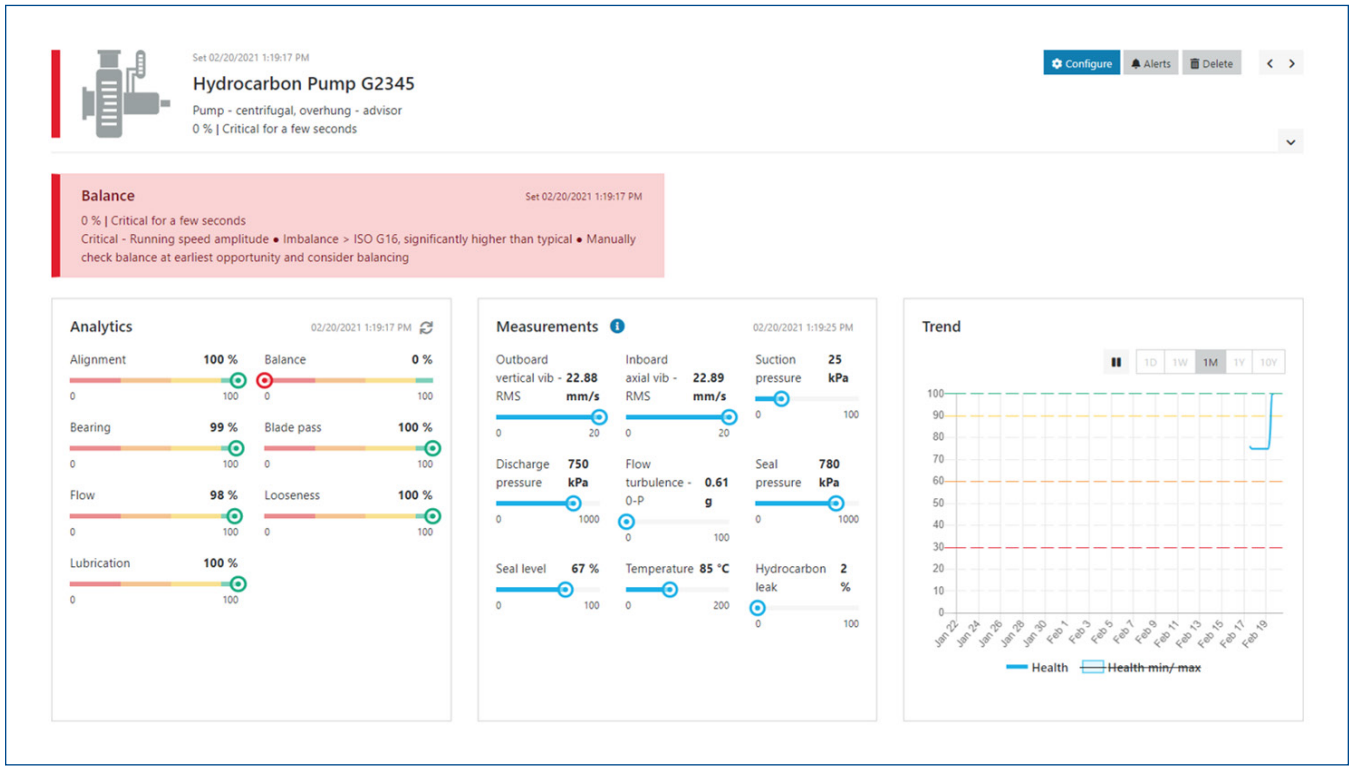


INTEGRATION WITH EMERSON'S DELTA V™ DCS

- Supports the new Module Type Packages (MTP) for DeltaV™, facilitating integration and communication between operations and field assets.
- Uses the same **Characterization Modules (CHARMs)** as DeltaV Remote for click-in-place technology.
- Similar housing to the DeltaV junction box for ruggedness and familiar installation.

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Intuitive Dashboard for Common Issues



Map available sources to measurement locations

