

DEPARTMENT: ReadyLine Centre of Excellence/Data Business Unit

JOB TITLE: ReadyLine Asset Health Analyst

GENERAL SUMMARY: The ReadyLine Asset Health Analyst is Wenco's subject matter expert on asset health conditions monitoring and maintenance engineering. The primary role is to work with customers and partners to analyze sensor information from customer equipment and create analyses reports and advise on key conditions to monitor. Using ReadyLine product capabilities to define Virtual Alarms (ability to combine multiple sensors and rules into a single logical/virtual sensor and alarm), the Asset Health Analyst will also create virtual alarm definitions that serve as predictive maintenance conditions to monitor for the customer and services partners. The Asset Health Analyst will also collaborate with OEM engineers, predominantly parent company Hitachi Construction Machinery (HCM) on the most important conditions to monitor for various OEM equipment, and help to create those machine-specific ReadyLine virtual alarms. The ReadyLine Asset Health Analyst is part of Wenco's Centre of Excellence team, and is a consultative fee-based position supporting Wenco customers and partners.

EXPECTED CONTRIBUTIONS:

Key Deliverables:

- Definitions and creation of ReadyLine virtual sensors and alarms for high value asset health conditions monitoring for various Hitachi and other major OEM equipment (Caterpillar, Komatsu, etc)
- Analysis of equipment sensor events from customers and creation of ReadyLine BI reports and dashboards using Wenco's Tableau-based business intelligence reporting tool
- Consult with customers and partners as asset health subject matter expert to enable them to extract value from ReadyLine solutions and services
- Provide supplemental pre-sales and post-sales consultative support, to Wenco and Partner sales

Responsibilities:

Work with Wenco product development team and OEM engineers (primarily Hitachi Construction Machines but potential with component suppliers or other manufacturers) to identify top priority sensors and components to monitor to extend the life of equipment, then define and create ReadyLine virtual sensors and alarms for predictive conditions monitoring.

Provide for-fee consulting to customers and partners in pre-implementation planning, post implementation configuration and assessment of installed ReadyLine BI solutions and services.

Following Wenco's "ReadyLine Conditions Monitoring Service" guideline, support customers and partners in the ongoing conditions monitoring of their equipment by remotely accessing ReadyLine and other data, analyzing and creating periodic (usually monthly) reports on key maintenance conditions and recommendations. Reporting tool typically used will be Wenco's Avoca product as part of a ReadyLine BI solution.

Specific responsibilities can include:

- Work with Wenco and HCM engineers to identify priority virtual sensors and alarms by equipment type
- Consult with customers and partners on pre-implementation planning
 - Requirements gathering for solution
 - Site baseline/benchmarks
 - Liaison with customer implementation team and Wenco product team
- Post implementation use of ReadyLine BI solution
 - Training customers on use of ReadyLine BI solution
 - Mentoring customer on change management
 - Ongoing fee-based consulting and tracking of value provided to customer from solution

- Analyze and report on customer ReadyLine data as part of Conditions Monitoring service
 - Analyze conditions from remote access to customer ReadyLine system
 - Help customer and/or service provider partner put together monthly analysis reports (using ReadyLine BI/Avoca reporting tool) on top priority asset health findings
 - Create additional ReadyLine virtual sensors/alarms for customers and general product based on those findings
 - Create and modify ReadyLine BI/Avoca reports and templates to enhance solution reporting capabilities.
- May require significant travel to customer and partner locations around the world

EXPERIENCE, KNOWLEDGE, SKILLS AND ABILITY REQUIRED:

Experience required is indicative only. All other job specifications must be met.

Experience and Knowledge

- 5+ years relevant experience as maintenance/reliability engineer and asset health specialist, preferably at top tier mining customer
- Experience in asset health conditions monitoring and analytics is a must
- Experience with IT systems, software programming and data base systems is a plus
- Experience creating and delivering presentations to technical audiences is a plus

Skills and Abilities

- Significant exposure to maintenance department processes and practices including maintenance planning, resource allocation, integration with operations and setting KPIs
- Understanding of mining operations, particularly with maintenance, as well as with IT systems
- Ability to understand business problems and how to apply technology and processes to meet problems
- Proactive problem solver, with strong analytics and ability to map analysis to business priorities
- Ability to use reporting tools such as Tableau (preferred), Microsoft Power BI or others
- Ability to use Microsoft Office tools (Excel reporting, Powerpoint presentations and Word)
- Experience in Change Management for maintenance processes a plus
- Good communication skills (report creation, written and verbal communications)
- Excellent listener and consultative communicator
- Proven self-starter with ability to turn objectives into actions and results
- Strong integrity and team player in support of Wenco culture

EDUCATION REQUIRED: Bachelor degree in Mechanical, Computer, Electrical Engineering or similar preferred, Mining, Geology, IT Systems or Mathematics acceptable
 Primary/major studies in computer programming, SQL and common query languages, or data analytics is a plus

LEADERSHIP: Independently productive and requires minimal supervision. The Asset Health Analyst is expected to take ownership of their work and assignments and be responsible to see them through to completion. Mentorship and technical leadership to customers, partners and new team members is expected.

SUPERVISES: No direct supervision of individuals to begin. Potential for Analyst Supervisor role as organization grows

WORKS WITH: Customers (particularly in Maintenance but also Management), Resellers and Partners, Wenco and OEM engineering teams, Wenco and partner sales organizations

STATUS: Regular full time

[Key search terms: Reliability Engineer, Maintenance Engineer, Asset Health specialist/analyst]