Asset Health

Operational Sustainability, LLC® (OS) offers our full integrated OESuite™ Asset Health solution as part of our Operational Excellence platform. Asset Health synthesizes your valuable asset data sources into asset health information and provides actionable intelligence for asset repair or replacement via a clear dashboard – putting you in the cockpit for reliable operations.

Now, reliability engineers and technical authorities can monitor asset health across the site and fleet from one integrated platform. Decisions such as when to employ Root Cause Analysis (RCA), Work Requests, or whether Management of Change (MOC) is required to change the overall asset strategy, asset design, or spare strategy can be made with assurance and implemented quickly and easily.

As an asset deteriorates and failures loom, the Asset Health dashboard provides actionable insights in real time. OESuite™ Asset Health uses real-time data from sensors and historians and transactional data from operator rounds, work orders, or inspection reports to give you a comprehensive view of asset performance. Events can be automatically generated based upon trend analysis and limit exceedances, or other logical combinations of triggers.

Figure 1 – OS Asset Health Workflow

You can create a center of excellence using our Asset Health and Visual Operations functionality to monitor your entire fleet because OESuite’s™ Asset Health dashboard capability can be leveraged to display asset health in location context. Site leadership can quickly assess trending problem areas and mobilize resources to intervene early. A strong Asset Health program will not only extend asset life, but also helps plan maintenance and repairs to minimize their impact on operations.
From the dashboard, drill down views to individual indicators provide the information you need to accelerate and improve decision-making, with the lead time you need to minimize disruption to production, work schedules and other plant activities. The dashboard features configurable health condition descriptions, range, and colors to tailor the view to your company culture. Gain insight into elevated risks and ensure appropriate personnel are alerted through our integrated notifications. Place bad actors on an asset watch list to monitor closely and further control your risks.

The OESuite™ Asset Health dashboard uses OS data connectors to integrate data from data historians such as OSI PI and IP.21 to create triggers and build workflows from calls to action, including RCA. Data connections to your EAM systems help monitor and track follow through and can modify your PF intervals as conditions change in the plant.

Use the Asset Health platform to aggregate information from other sources:

- Vibration data to create an asset watch list
- Wall thickness data to note remaining life
- Monitor real-time corrosion data, combining all the potential inputs to monitor the asset health

Getting started is easy. Choose your specific types of assets from our library of asset health to accelerate your journey. Our powerful mapping and expression editor allows you to tailor the indicators to local conditions. Indicator templates can be created by asset category and then applied to your fleet of assets for a consistent model.

The OS Asset Health solution drives a proactive attitude in your asset management processes and is a crucial element in our Intelligent Operations philosophy.

**Extended OESuite™ Modules**

For more information email us at info@DrivingOE.com or call (713) 355-2900.