Asset Health

Asset Health Integrates with these other OESuite® Modules

- Management of Change + Mobile
- Asset Analysis
- Alarm & IOW Management
- Operator Rounds + Mobile
- Incident Management + Mobile
- Corr. & Preventive Action Item Mgmt + Mobile
- Asset Strategy Management
- Inspection Management + Mobile
- Pre-Startup Safety Review + Mobile
- Task & Compliance Management + Mobile
- Production Loss Analysis
- Work Management + Mobile

Operational Sustainability® (OS) offers our full integrated **OESuite® Asset Health Module** as part of our Operational Excellence platform. The **Asset Health Module** synthesizes 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)** and **Work Requests**, or whether **Management of Change (MOC)** is required to change the overall asset strategy, asset design, or spares strategy can be made with assurance and implemented quickly and easily.

The **Asset Health Module** 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.

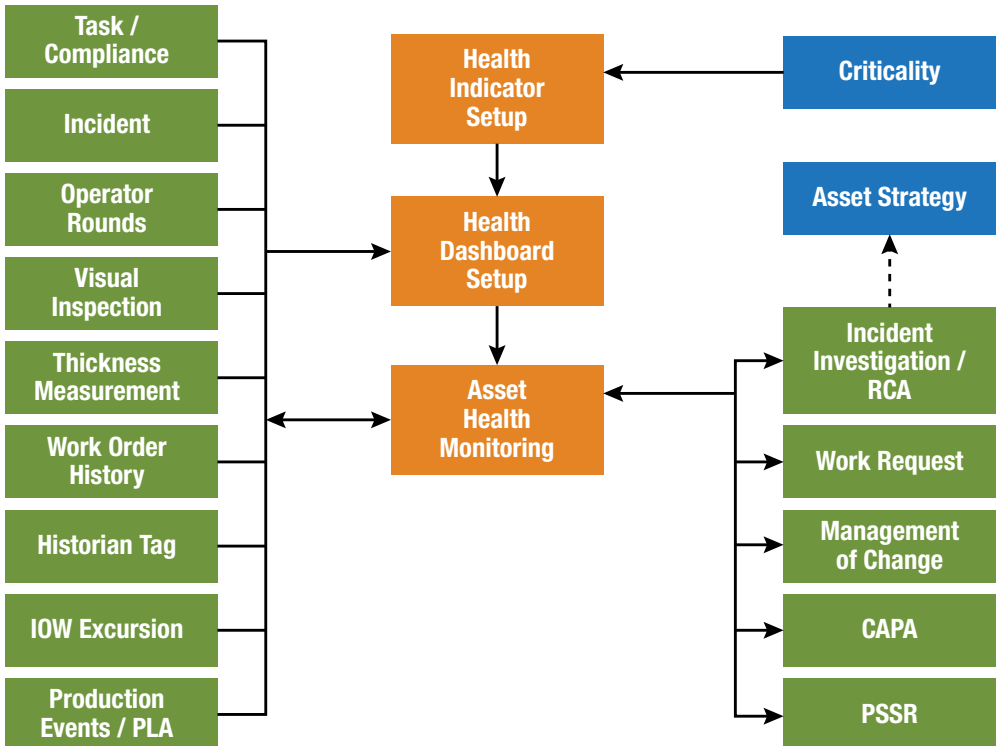

Figure 1 – OS Asset Health Workflow

You can create a center of excellence using our **Asset Health Module** and **Visual Operations Function** to monitor your entire fleet because the asset health dashboard can be leveraged to display asset health in location context. As an asset deteriorates and failures loom, an asset health dashboard will also provide actionable insight in real time. 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.

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Asset Health

The **OESuite® Asset Health Module** features a dashboard that 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 P-F intervals as conditions change in the plant.

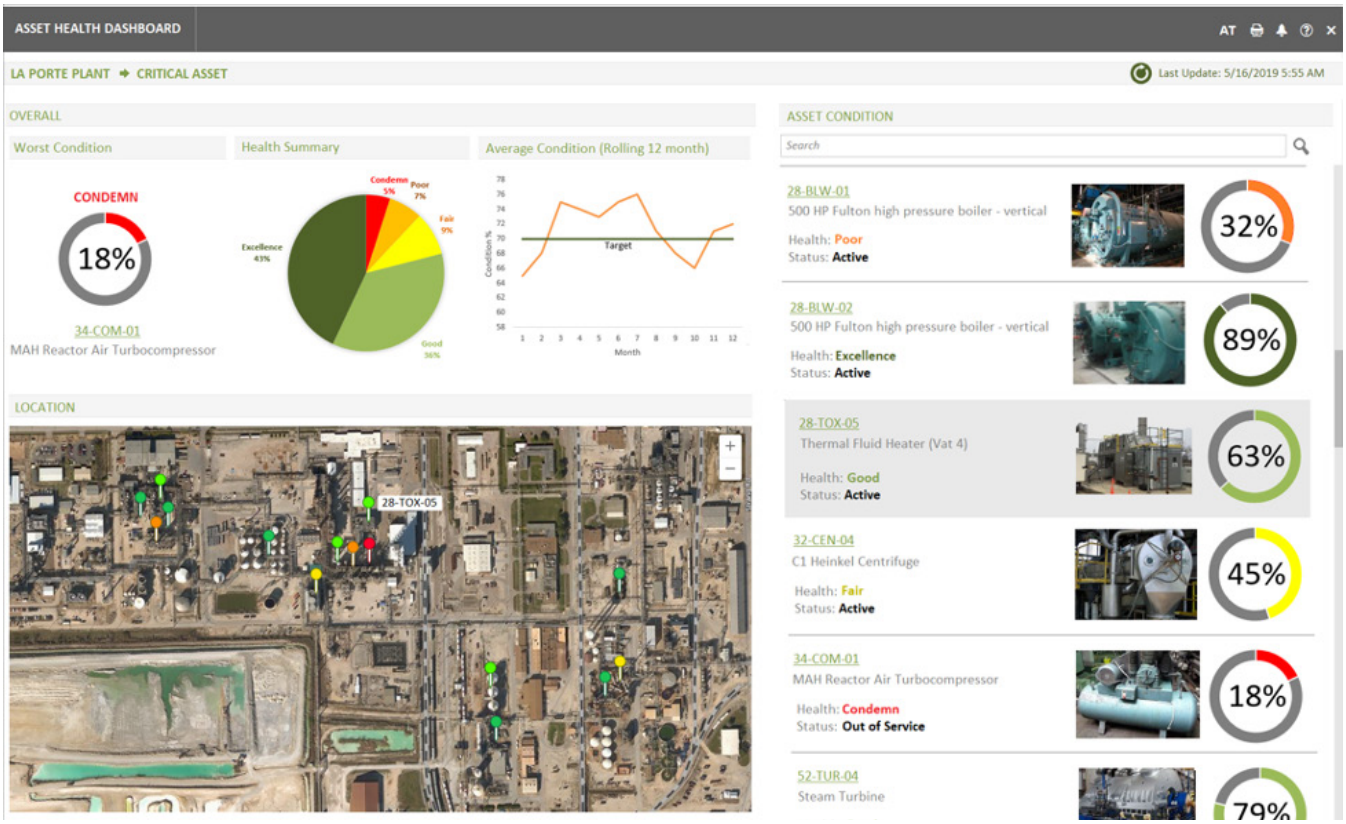

Figure 2 – OS Visual Asset Health Dashboard

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.

Use the **Asset Health Module** 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 **OESuite® Asset Health Module** drives a proactive attitude in your asset management processes and is a crucial element in our Intelligent Operations philosophy.

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Asset Health

The Asset Health Module is a key component of these OESuite® Frameworks:

- APM Framework
- Operations & Production Framework

These are the core functions in all OESuite® Modules:

- Ad Hoc Reporting
- Archiving
- Asset Registry / Navigation
- Audit Trail
- Calculation Engine
- Coordination Compliance
- Configurable Notifications
- Damage Mechanisms
- Data Export / Import
- Document Links / Attachments
- Form Builder
- Integration / Connectors
- Multi-Lingual / International Formatting
- KPI Manager
- Material Library
- Mobility
- Module and Hierarchy Specific Security
- My Obligations / Calendar
- My Subscriptions
- Obligation Reassignment
- OE View
- Planning / Scheduling
- Portal
- RACI Chart
- Redlining
- Report Builder
- Risk Ranking
- Risk Registry
- Robust Search
- Single Sign On (SSO)
- Standard Reporting
- Tags
- Verification
- Visual Operations
- Workflow (Initiate, Approval, Execution, etc.)

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

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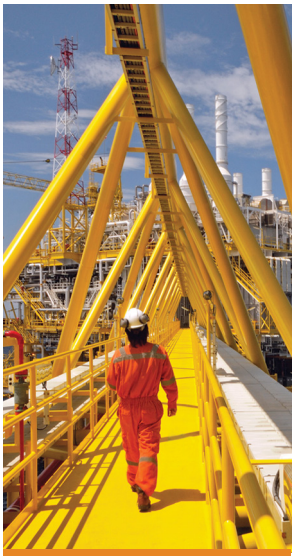
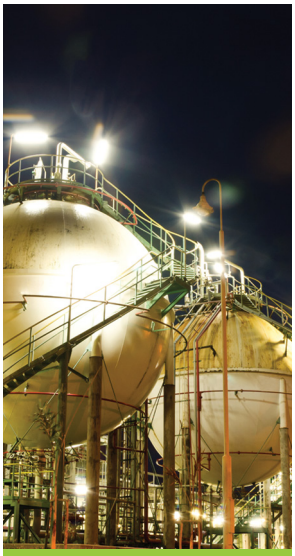
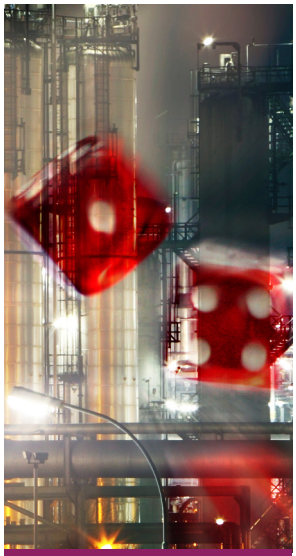
Driving Operational Excellence™


Workforce


Assets

Operations

Compliance


Risk

Operational Sustainability® makes operational excellence simple.

Succeeding in today's complex, highly-regulated industries depends on how well your company manages **operational risk** and enables **operational discipline**. Our world-class advisory services and our industry-leading cloud-based, highly configurable software work together to enable your company to achieve **operational excellence**, including OE 4.0 tenets, and sustained **operational integrity**. We identify and help you solve any issues to move to a real-time, mobilized risk-aware culture. With an average of more than 30 years of industry experience each, our advisors can design a solution tailored to your company's culture and needs.

Learn how Operational Sustainability can advise your workforce through our consulting services and support your journey to operational excellence through our OESuite® software platform. See our full slate of free webinars, white papers, detailed module information, and scheduled workshops online at **www.DrivingOE.com**.

Schedule your free consultation and demo today.

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