Condition Assessment

Operational Sustainability, LLC (OS) offers a **Condition Assessment (CA) module in OSSuite™** to help asset owners gather and interpret important information on assets in operation to optimize reliability and integrity studies (such as Reliabiliy Centered Maintenance and / or Risk Based Inspection). Because having reliable data and information at the start of any equipment study is critical, CAs are a key component to long-range equipment planning, risk or reliability studies, and to achieving sustainable Operational Integrity.*

The OS CA module leverages the Aladon methodology, which consists of two distinct processes, a qualitative assessment based on observation and a quantitative assessment based on data. Both can be done simultaneously. If one is performed first, the data driven quantitative component should lead the process. The CA module includes the review and analysis of the information and data collected in the two assessment processes in order to determine the estimated remaining life (current condition) of an asset.

Relevant information to populate the CA module may include:

- Asset as-built plans
- Vendor and OEM information
- Asset registry information, geological maps
- Performance monitoring data (level of service)
- Maintenance records and compliance history
- Modifications (approved or not)
- Integrity and performance data

Executing an RCM analysis without incorporating the current state of an asset may lead to an ineffective and costly maintenance program. That's why CA is such an important step—incorporating those results into the broader asset risk evaluation can help organizations make knowledgeable, fact-based decisions. The information can be used to target high-risk assets when considering where and when to renew aging infrastructure—mitigating risk to business operations and obtaining the highest return on asset investment.

For more information email us at <u>info@os-orm.com</u> or call (713) 355-2900.
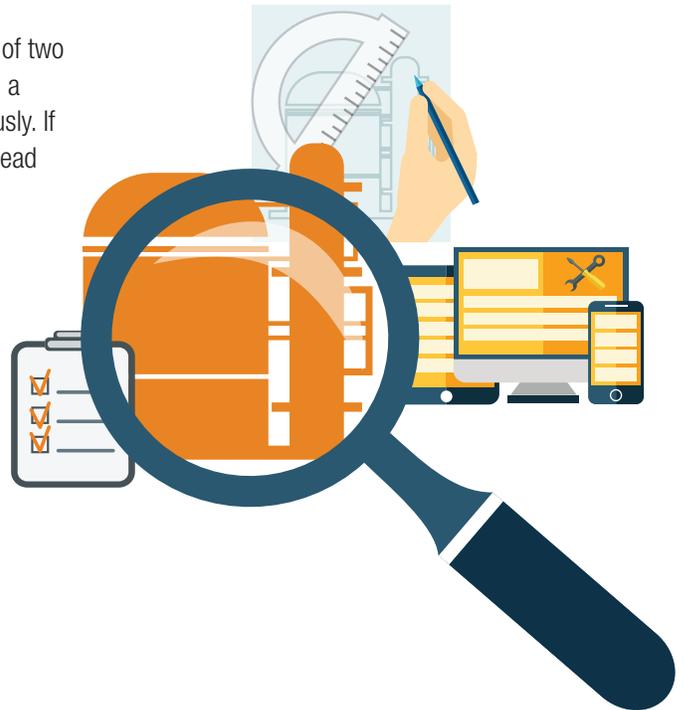
CAs performed on systems and assets that have been in service for a long time (including those still operating successfully beyond their useful life as specified by the manufacturer) tend to generate the most useful information for these types of activities.