

ABB Ability™ AssetVista Condition Monitoring for metals

Increase operational and cost efficiency by accurately predicting your plant asset maintenance needs



Your metals plant has thousands of production assets: valves, switches, sensors, motors, switchgears, gearboxes etc. Many have embedded tools capable of collecting and storing asset condition data, with high potential to improve maintenance activities and increase process efficiency.

Expert, continuous monitoring and analysis of asset condition

Analyzing your plant asset data can help you identify the right maintenance activities, enabling faster and more accurate decision-making. AssetVista releases your hidden potential.

In AssetVista, our maintenance and process experts have developed a customizable and maintenance-oriented solution to help continuously you monitor and analyze asset conditions 24/7.

Built on over 100 years of metals process know-how this solution also leverages the power of ABB's extensive electrical equipment maintenance libraries to provide expert insight into the actual condition of your assets, help you to predict future maintenance needs as well as detect, predict and/or quickly solve failures.

Combining a site-specific configuration with seamless integration and long-term continuous improvement support, AssetVista provides you with a complete package to optimize maintenance activities.

Maintenance and process improvement at your fingertips

AssetVista provides all relevant data in a user-friendly, real-time dashboard, as well as detailed reports printed on demand.

The dashboards present the condition of important production assets based on their hierarchical diagrams and a criticality analysis of equipment components.

An equipment condition monitoring feature is designed to consider failure modes, available control system data, pre-installed expert condition monitoring systems and data sheets.

Based on this evaluation, AssetVista helps prevent unnecessary maintenance that exposes personnel to additional work situations in hazardous process areas.

If an equipment failure occurs, easy-to-use root cause analysis and reports provide quick detection to reduce production losses.

Development and commissioning tailored to your needs

To achieve your production goals, our team has established a balanced plan to develop, implement and operate your scalable and long-term asset management solution.

ABB Ability™ Asset Vista Condition Monitoring for metals:

Evaluation: In an on-site assessment, we listen to and understand your needs.

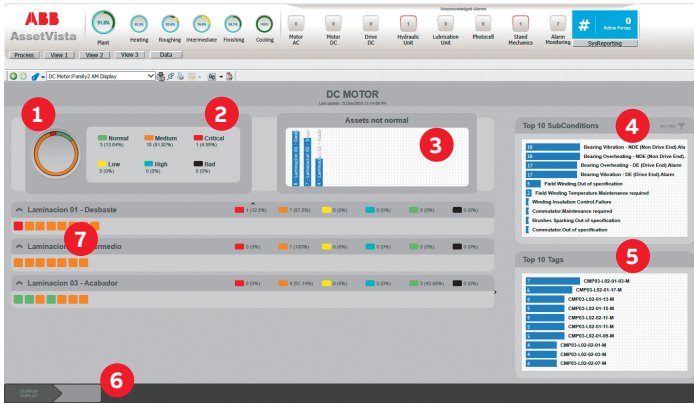
Design: We define suitable tactics and an appropriate mix of technologies.

Implementation: We deploy your designed solution for online condition monitoring.

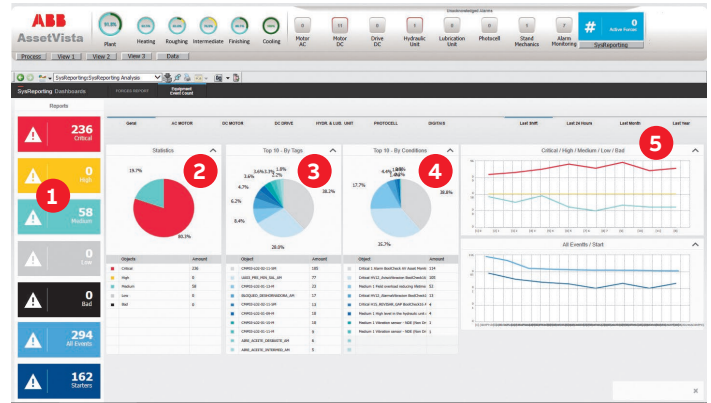
Measurements & optimization: We deliver expected results through remote evaluation and periodic reports.

After implementation, we keep your application updated and support your maintenance team so they can focus on daily business.

Increase proactive and predictive maintenance and maximize your return on investment with AssetVista.



1. Severity level distribution
2. Condition classification for quick decision support
3. Identifying assets requiring attention
4. Sub-condition tracking
5. Critical asset tracking
6. Maintenance action navigation bar (ECI/Mechanical)
7. Asset grouping (plant area/criticality/structure/custom)



1. No' of events by severity level for decision support
2. Asset condition statistics by severity level in %
3. Top 10 critical assets
4. Top 10 critical conditions
5. Charts for easy visualization of asset condition statistics

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Your challenges

- Demand for reduced maintenance and operational costs while increasing productivity
- Need for improved equipment reliability and reduced unplanned shutdowns



Our solution

A scalable approach that leverages your existing equipment data, our long-term experience in metals and extensive expertise in electrical equipment maintenance, to optimize and sustain your maintenance performance.



Features

- Proven maintenance methodologies
- Asset monitor library with demonstrated results
- User-friendly and maintenance-oriented dashboards and reports
- Built on plant asset management 800xA Asset Optimization



Benefits

- Increased operational efficiency by eliminating unnecessary maintenance and improving mean time to repair.
- Break up of information silos between operation, automation and maintenance personnel, ensuring smooth integration.

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