



ABB Ability[™] AssetInsight Condition Monitoring for Electrical Equipment

Optimize your performance with real-time electrical equipment health visibility

To remain competitive, your energyintensive plants must maintain electrical equipment safely—with high reliability—to preserve your production capability. This means taking a transformative step with your operations and maintenance strategy.

The key to safety and reliability is real-time visibility into the health of your electrical equipment.

Against the current For energy-intensive industries, unscheduled maintenance comes at a cost

For energy-intensive industries, maximizing asset reliability while maintaining safety is critical to winning the future. But aging assets, increasing asset complexity and loss of experience from an aging workforce are putting pressures on companies to manage costs and protect margins.

One of the greatest costs facing energy-intensive industries is unscheduled maintenance. According to ARC Advisory Group,¹ the typical cost of unplanned downtime is:

- **\$43,000/hr** for automotive panel stamping plants
- \$31,000/hr for paper drying lines
- \$15,000/hr for Consumer Packaged Goods packaging plants

Unscheduled downtime comes at a cost to production, too. In the oil & gas sector, for example, companies are losing **3-5%** of their production to unscheduled downtime.²

Energy-intensive companies face elevated asset-reliability risks



ABB Ability[™] AssetInsight Condition Monitoring for Electrical Equipment

Real-time visibility into the health of your electrical equipment

ABB Ability[™] AssetInsight Condition Monitoring for Electrical

Equipment is a cloud-based, vendor-agnostic software solution that visualizes the health of your electrical assets.

It gathers and presents real-time data from fundamentally different systems into one dashboard so users can quickly and effectively manage operations and transition to a predictive maintenance strategy.

- Library of Asset Monitors for electrical equipment
- Analytics for failure detection
- Customizable dashboards for information
 presentation

Gain real-time insights into the health of multiple electrical assets across multiple vendors

Switchgear Transformers Drives Uninterrupted power supplies	
Relays	

Optimize Your Performance with Real-Time Electrical Equipment Health Visibility

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Equipment features a browser-based dashboard that displays real-time condition data from your electrical equipment.

Cloud-based

Cloud-based maintenance workplace accessible to all stakeholders in the company

On-premise option Optional on-premise based maintenance

Configurable Configurable equipment groups Ease of use Drag-and-drop dashboard editor

Visibility Dashboard with proposed actions in real-time

Modularity Modularity allows a for a stepwise rollout



View real-time condition data in one dashboard

Key Benefits for Your Energy-Intensive Business



Access all equipment data in one place from any browser



Increase profit potential with less production downtime

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Prioritize maintenance activities by viewing condition status on a system level



Reduce cost of maintenance through predictive maintenance



Reduce cost of repair and replacement



Decrease need for periodically planned maintenance work



Reduce maintenance costs and equipment costs companywide



Avoid damaging electrical and other equipment

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Transition to a Predictive Maintenance Strategy

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Equipment gathers and presents real-time data from fundamentally different systems into one dashboard so that your users quickly and effectively manage operations and transition to a predictive maintenance strategy.





Case Study

Reducing maintenance hours on electrical equipment by up to 55%

Company

Leading energy company with more than **20,000 employees** developing oil, gas, wind and solar energy in more than **30 countries**.



Challenge

Leading energy company was spending too many hours annually maintaining electrical equipment because it lacked real-time visibility into the health of its assets.

Solution

ABB Ability[™] AssetInsight Condition Monitoring for Electrical Equipment.

Result

Company identified ways to reduce maintenance hours on its electrical equipment by up to **55%** by improving utilization of the information from the online conditionmonitoring system used in maintenance planning.



Why ABB

Knowledge

Our in-house knowledge of electrical equipment and system infrastructure – from the device to end user – and competence on the monitored systems are unmatched in the industry.

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Guidance

We provide guidance to users and service personnel, or as an addon option, ABB personnel will monitor and manage the operating equipment.

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Industry expertise Deep industry and

application knowledge.

Asset knowledge

Extensive electrical asset knowledge.

Portfolio

Comprehensive portfolio of offerings dedicated to energy-intensive plants



¹ https://www.industryweek.com/the-connected-enterprise/article/22014394/is-your-plant-network-helping-you-avoid-downtime ² https://www.arcweb.com/blog/asian-downstream-summit-discusses-digital-transformation

For more information, please contact ABB, Inc. Operation in more than 100 countries

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