

ABB ABILITY™ DIGITAL SERVICES

ABB Ability™ Condition Monitoring Services for rotating machines

Reliable and cost efficient operation



ABB Ability™ Condition Monitoring Services for rotating machines enables installed base sites to take the step from preventive to predictive maintenance, to increase site availability and reliability, while at the same time decreasing maintenance cost.

Condition monitoring service for rotating machines

Maintenance strategy

Rotating machines are a key component for operating industrial sites. Therefore, an appropriate maintenance strategy needs to be in place, to keep site availability and reliability up. Nowadays often preventive maintenance is applied for rotating equipment, especially for medium- or non-critical machines, whereas this strategy does not consider the actual maintenance need. Taking a step to preventive maintenance can help in reducing the maintenance cost, while keeping the same availability level for a site.

Fitting services for various needs

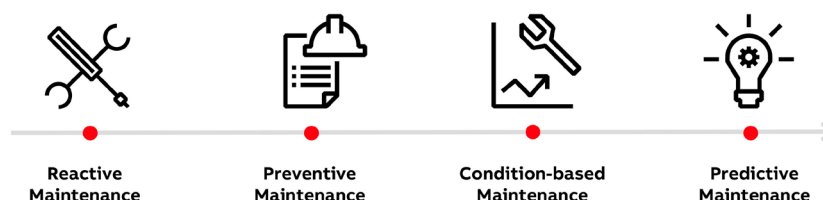
Therefore, ABB has developed specific service packages to address different customer needs. ABB applies appropriate sensors for data collection and constantly improves algorithms for early stage

problem identification and damage prediction. Furthermore, ABB experts apply secure cloud-enabled applications to collect, connect, visualize and analyze plant data 24/7. This provides customers with fast and efficient decision-making services to improve machine availability, reliability and stability.

Advantages of ABB Condition Monitoring

- Sensors designed by ABB
- Wireless, battery powered sensors
- Cost-efficient monitoring of assets
- Online monitoring
- Specialized dashboard with visualization and notification capabilities included
- Visualization of sensor values in supervision systems possible
- On-premise and cloud support
- Fleet management of machines across all customer plants

Maintenance strategies:



Turning data into insights

Service package 1:

Data as a Service for the collection of machine data. Customers can rent or buy ABB sensors as part of the service contract. Additionally, it delivers

- maintenance, exchange and upgrade of sensor technology
- continuous and ensured data availability for customer evaluation
- supports on-premise and cloud setups



Data as a Service



Service package 2:

Condition Monitoring service offers continuous monitoring for rotating machines.

- Continuous automated machine monitoring
- Processing of information in clearly arranged dashboards, according to performance indicators
- Regular benchmark reports and/or cyclic fleet reports



Condition Monitoring Service



Service package 3:

Collaborative Service is the extended scope for proactive monitoring and instant notification from the ABB Ability™ Collaborative Operations Center.

- Global 24/7 monitoring by ABB experts
- Proactive notification at deterioration of assets
- Analysis of deterioration including evaluation within detailed reports of ABB vibration experts
- Recommendation of necessary activities to prevent damages for customer assets



Collaborative Service