ABB Ability™ Condition Monitoring for HV motors
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One step ahead

Condition Monitoring service delivers accurate, real-time information about the motor to ensure high productivity.

FEATURES:
• Web access to live data and status information of electrical and mechanical parameters.
• E-mail notification on alarm.
• Expert report delivered upon alarms with machine status and recommended maintenance actions. Status report every three months.

BENEFITS:
• Safety - Improve safety at work with maintenance inspections from a distance.
• Reliability – Reduce downtime by transitioning from reactive to proactive maintenance.
• Maintenance Savings - Save maintenance time and effort with early warning systems.
• Net Working Capital – Ensure your equipment lasts longer, with less redundant plant and inventory.
• Risk Mitigation – Minimize your liabilities, such as warranties, uptime guarantees, etc.
Providing the right blend of technology, expertise and information
According to your needs

<table>
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<tr>
<th>Make the best decisions</th>
<th>Reduce the risks</th>
<th>Available as you need</th>
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<tbody>
<tr>
<td>• You know your process, we know the motors.</td>
<td>• You have the information when needed most.</td>
<td>• Information available in web portal.</td>
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<tr>
<td>• Our monitoring system provides you with data and information about the electrical and mechanical conditions.</td>
<td>• Our monitoring system is continuously collecting data for you. You will get an early warning if problems are developing.</td>
<td>• Email notifications in case of warning or alarm.</td>
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<td>• Based on this information, we provide maintenance recommendations.</td>
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<td>• Support team available to support you.</td>
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ABB Ability™ Condition Monitoring for HV motors
Information to improve predictability and decision making

Installation on machine
- Data Acquisition Unit
- Vibration sensors
- Portal setup

Collection of data
- Alarm levels set

Access live data
Receive ABB expert reports
Receive e-mail alerts

Make the best decisions for your production
ABB Ability™ Condition Monitoring for HV motors

Hardware and web portal

**Hardware kit**
- Data Acquisition Unit
- Vibration sensors
- Sensors cables
- Mounting pads for vibration sensors

**Web portal**
- Live data of machine
- Trending
- Report handling
- Customer user contact information

**ABB**
- User registration
- Settings for alert and alarm
- Support
- Upon alarm or warning, a detailed report is generated with recommendations
### ABB Ability™ Condition Monitoring for HV motors

**Web portal**

#### Web login
- Portal available from any pc, tablet or phone connected to internet
- All users have personal login
- Easily accessible

#### Dashboard overview
- Quick overview of all machines
- Indication of machine status

#### Trend graphs
- Trends on critical parameters
  - Bearing condition
  - Installation – imbalance, misalignment, looseness
  - Rotor condition
  - Alarm notification by email