Users can access real-time information on the status of their motors through a dedicated web portal.

**Continuous monitoring of motor condition**
ABB Ability™ MACHsense-R continuously monitors key operational and health parameters, such as vibration, temperature and magnetic field while the motor is in operation. The data is transferred to a secure cloud-based server where it is stored in an encrypted form.

Advanced algorithms, based on ABB’s extensive know-how and experience, analyze the data and produce meaningful information on the condition and performance of the motor. Users can easily access the information through a dedicated web portal.

**E-mail alerts for effective maintenance planning**
If a parameter value exceeds its preset alarm level, the system sends an e-mail notification and maintenance recommendation to the user. This allows more time for effective maintenance planning and reduces downtime.

### Main benefits
- **Higher uptime** – Maintenance activities can be planned in advance to avoid unplanned downtime
- **Reduced maintenance costs** – Maintenance time and effort can be reduced with early warning system
- **Improved safety** – Enables safe access to motors that are located in dangerous or hard to reach areas
- **Longer equipment lifetime** – Advanced maintenance planning supports longer motor lifetimes

ABB Ability™ Condition Monitoring for high voltage (HV) motors continuously monitors key parameters in HV induction motors. It uses advanced algorithms to analyze the data and provides maintenance recommendations and early warnings. Unplanned downtime can be minimized, maintenance activities optimized and safety improved.
Based on the ABB Ability™ Condition Monitoring solution for HV motors, ABB offers additional services which allow customers to focus on their core business.

**Monitoring of motors**

Using the ABB Ability™ Condition Monitoring service, users can outsource the remote monitoring of motors to ABB. Should a warning or alarm condition arise, ABB will immediately contact the user to advise of the fault and possible remedies.

**Expert reports**

Furthermore, should a warning or fault be triggered by the motor, ABB offers to analyze the data and provide a detailed report with information on the motor’s condition and recommendations on the required maintenance actions.

For more information, please contact your local ABB representative or visit:

new.abb.com/motors-generators/service