

ABB Power Care – 3. Diagnostic & Condition Assessment

3.2 Local asset monitoring

Asset monitoring service introduces local condition monitoring of the complete ABB Low Voltage products and switchgears. Examples include alarm, event monitoring and performance trend analyses.

Key stakeholders, together with their facility management teams, are increasingly concerned with their abilities to properly maintain their equipment. This is especially so in critical facilities where unplanned downtimes which in loss of production, are the worst case scenarios, and where violation of health and safety legislations are considered unacceptable. This module of the ABB Power Care agreement supports businesses as they increasingly look to invest in failure prevention.

In this condition-based maintenance approach, ABB Low Voltage Service installs specific sensors which are connected to diagnostic systems. These sensors monitor product indicators for signs of deterioration and increased probability of failure, and notifies the users accordingly. This strategy, in the long term, allows a reduction in the costs associated with maintenance and minimizes the occurrences of serious faults. With this, customers are also able to receive continuous feedback on the conditions of the products and systems installed on their plants. Equipment life is also optimized.

Diagnostic information can come from many sources including intelligent electronic devices, smart circuit breakers, specific sensors and other integrated systems.

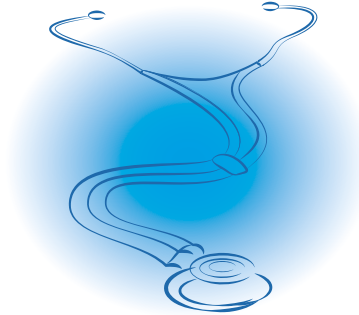


ABB Switchgear MNS: real-time asset monitoring is available for MNS iS through the MService device. The delivered service includes installation and testing of MService at customer site. Data processed in MService and condition information is provided on customer accessible web pages.

ABB Air Circuit Breakers: for Emax, Megamax and Novomax a dedicated device, MySiteCare, can monitor the level of some quality indicators. Whenever these indicators exceed a defined threshold, information is provided and the users are notified. New Emax Circuit Breakers can also be monitored through a periodic maintenance check using the LEAP predictive analysis.

For **ABB Softstarter** type PSE the computer based software SoftstarterCare is used for programming and controlling the setup as well as conditions monitoring. For type PST and PSTB another computer program is used for the same purpose.

Benefits:

- Unfavorable conditions are identified before there is impact on plant performance
- Maintenance activities are carried out only when required
- Customers gain access to ABB's technical knowledge and experience to develop an efficient maintenance plan.

For further information contact:

www.abb.com/low-voltage/service

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