Product note
DriveMonitor™
For system monitoring, analysis and troubleshooting

High productivity depends on uptime. In turn, uptime depends on fast and precise identification of system irregularities.

DriveMonitor™, ABB's award-winning monitoring and diagnostic system, watches the drive system, continuously tracking its status and collecting data.

DriveMonitor™, a dedicated monitoring and diagnostics system

DriveMonitor™ can be used as a stand alone system, where it logs application-related events and stores high-resolution loggers together with pre-trigger information. This data is extremely useful when identifying the root cause of an event. Furthermore, long-term monitoring functions deliver important information on equipment status, upcoming service routines, trends and input for possible performance improvements.

DriveMonitor™ can also be used in combination with the remote services offered by ABB medium voltage (MV) drives. This service provides real-time access to dedicated ABB specialists who can guide the maintenance engineer through the fault-finding procedure and the implementation of corrective actions.

DriveMonitor™ and remote services are covered by a service agreement with an ABB MV drives service site or provider.

Benefits

- Up-to-date information on drive system status ensures maximum productivity at all times
- Root cause analysis support reduces MTTR (Mean Time To Repair), thereby ensuring uptime
- Optimized maintenance schedule and costs throughout the entire product life cycle thereby keeping OPEX under control
- Early diagnostics helps reduce the risk of failure thereby avoiding costly repairs
- Remote expert access reduces on-site work, eliminating labor and travel costs and minimizing downtime
- Easy operation due to user guidance by the system avoids lengthy training time and costs
- Optimized process performance by aggregating long-term statistics ensuring the most efficient production run

DriveMonitor™ consists of a hardware module and a software application that automatically collects and analyzes selected drive signals and parameters.

Hardware

The hardware is based on an industrial PC with an Ethernet port. Depending on the DriveMonitor™ version it can be installed inside or outside the drive and monitor one to nine ABB MV drives.

Software application

DriveMonitor™ continuously monitors the status of the drive and responds when changes occur. The following functions are included in the basic package:

Extensive data monitoring

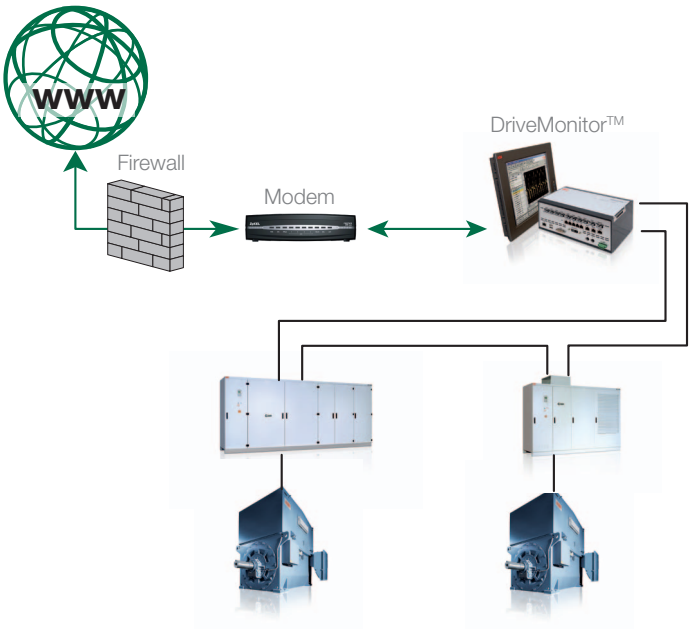
– Continuous monitoring of pre-selected signals and parameters
– Data logger with high-resolution loggers and pre-trigger information

User guidance

In case of a fault the maintenance engineer gets a fault description and a proposal for corrective actions on the panel.

Parameter tracking

Parameter modifications are logged and stored in the event list and will give an overview of the modification history.



Remote Access Platform (RAP)

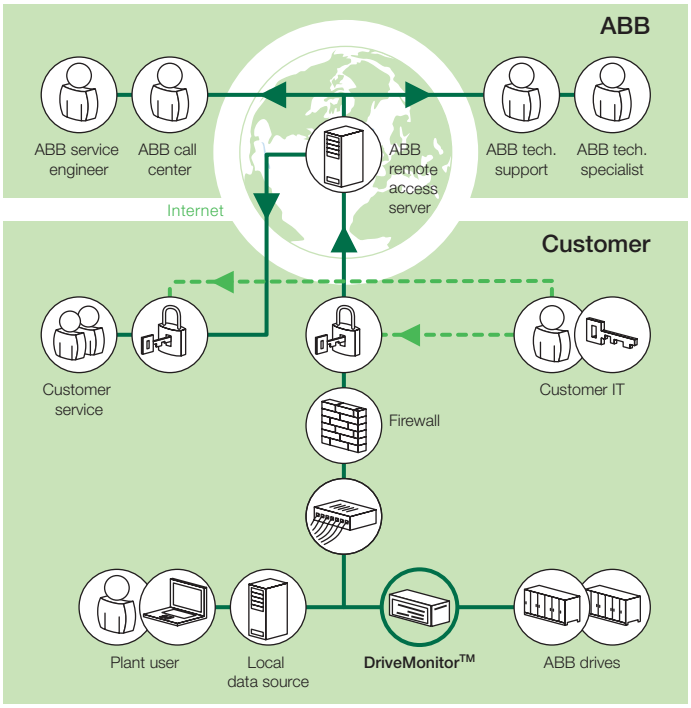
The Remote Access Platform is the common tool for ABB remote services and is used to establish and control all remote connections and activities. Customers only need to provide an Internet connection.

Customer access

On request, customers can get access to their assets, allowing them to check the status of the drive remotely.

Security

– Remote access uses strict security procedures and complex data encryption
– System operation from remote locations is not permitted (read-only access)
– Remote access is only possible with the proprietor's explicit permission
– Access rights for each user are set by the asset owner



For more information please contact:

www.abb.com/drives