

ABB MOTION SERVICES

ABB Ability™ Digital Powertrain services

Monitoring-as-a-Service for lower total cost of ownership



ABB's Monitoring-as-a-Service gives users of motors, variable speed drives and their driven equipment access to a network of remotely located ABB technical experts. These engineers proactively track the performance of assets, provide regular reports, trigger early warnings and highlight areas for improvement.

Keeping a watchful eye on all your motor-driven applications can erode time and resources. Handing over the performance tracking of assets not only offers peace of mind but frees your valuable maintenance teams to be deployed on other critical tasks.

Monitoring-as-a-Service

Monitoring-as-a-Service (MaaS) engages a network of ABB engineers to track the performance of motors, drives and applications, such as pumps and fans, used in a facility.

To qualify for MaaS, the assets must gather data using one of ABB's connectivity devices, such as 2nd generation Smart Sensors, NETA-21 or ABB Drive Connectivity Panel.

Alongside remote monitoring, ABB provides regular updates with informed comments about the status of those assets included in the MaaS contract. If a motor or drive is under-performing, an extended report can be provided, offering a greater insight, highlighting critical issues requiring attention and including recommendations on maintenance priorities.

Key benefits



Timely and reliable analysis of real data
Provides accurate application insights that can be used to improve asset availability and energy consumption



Lower total cost of ownership
Helps to optimize maintenance planning and extend asset lifetime, thereby reducing risk of downtime while improving spare-parts logistics



Stay one step ahead with early warning of asset issues
Detects unusual behaviors or irregularities of the assets as well as interruptions in the transmission of the data gathered by the ABB connectivity device to the Digital Powertrain cloud backend and web portal



Re-deploy key personnel
Enables in-house service personnel to focus on other critical tasks

ABB Ability™ Digital Powertrain services

Monitoring-as-a-Service



Digitally connect your powertrain assets

Contact ABB to purchase the ABB Ability™ Digital Powertrain connectivity devices for the assets to be monitored and digitally connect your powertrain assets.



Outsource monitoring of powertrain assets to ABB

Contact ABB and define which assets you would like to include in a MaaS contract.



ABB monitors powertrain assets and raises alerts when attention is needed

ABB will:

- remotely monitor the assets included in the MaaS contract
- provide regular updates on the status of those assets
- advise of interruptions in the transmission of the data gathered by the ABB connectivity device to the Digital Powertrain cloud backend and web portal
- provide an extended report if a motor or drive is under-performing, offering a greater insight, highlighting critical issues requiring attention and including recommendations on maintenance priorities

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

[new.abb.com/service/motion/
data-and-advisory-services/digital-powertrain](https://new.abb.com/service/motion/data-and-advisory-services/digital-powertrain)

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Ltd does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained herein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in part – is forbidden without prior written consent of ABB Ltd. Copyright© 2022 ABB
All rights reserved