

ABB MOTION SERVICES

# ABB Ability™ Condition Monitoring for powertrains

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

[solutions.abb/digital-powertrain](https://solutions.abb/digital-powertrain)



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- Advanced monitoring and analytics of the powertrain equipment
- Digital advantage for efficient, safe and reliable operations

# ABB Ability™ Digital Powertrain

ABB Ability™ Condition Monitoring service for powertrains optimizes the performance and efficiency of rotating equipment. It enables full transparency on key parameters for drives, motors and pumps, and can also be used in applications such as compressors, conveyors, mixers and extruder main shafts.

## 1 Intelligent powertrain

The powertrain is equipped with sensors and cloud connectivity and can comprise motors, drives and applications, such as pumps and fans. You can choose yourself what assets you want to monitor.

## 2 Turning data into valuable information

Data gathered from drives' inbuilt sensors and loggers together with that collected from ABB Ability™ Smart Sensors fitted to motors and pumps, can be aggregated, stored and further accessed via the cloud. The ability to gather and analyze this data can reveal information on the status and condition of your equipment, so that you can schedule service activities more effectively.

## 3 Accessing data for analytics

You have access to a monitoring portal to view key operational parameters of individual assets as one unified system. Detailed dashboards give full transparency so that you can take actions that lead to less downtime, extended equipment lifetime, lower costs, safer operations and increased profitability.

## 4 Gain a digital advantage

Ensuring that the right person has the right information at the right time brings:

- Appropriate response to production challenges, minimizing operating costs and wastage of products
- Greater insight into various aspects of your process, thereby improving quality and reducing variations, errors and waste
- Lower risk of production downtime and change of the maintenance from reactive to predictive

