

From the factory floor to the cloud and beyond

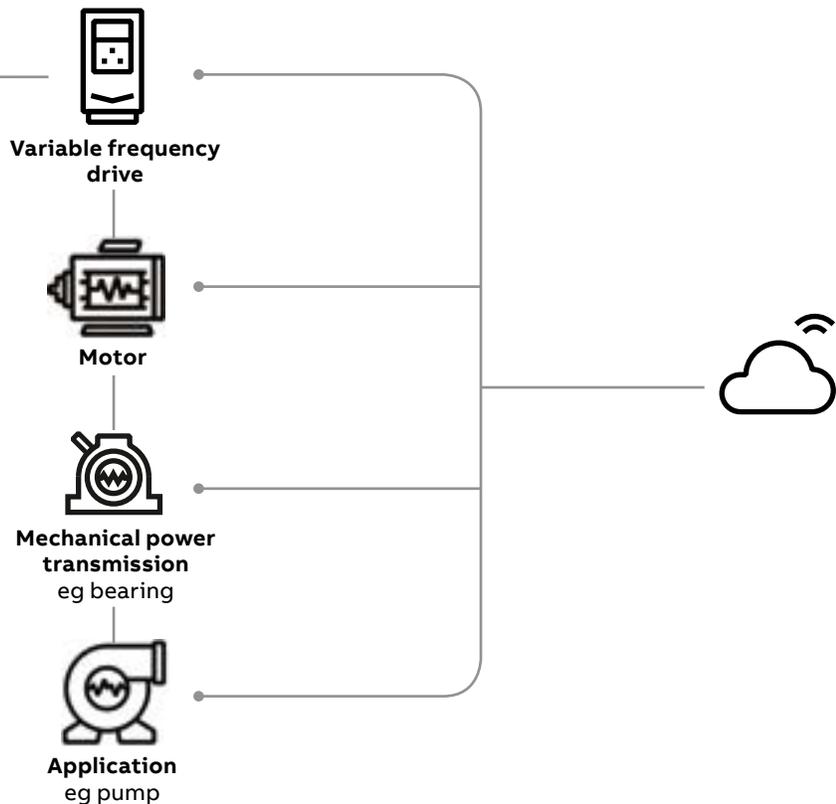
ABB Ability™ Condition Monitoring for Powertrains optimizes the performance and efficiency of rotating equipment. It enables full transparency on all parameters for drives, motors, mounted bearings and pumps.

1 Intelligent powertrain

The powertrain is equipped with sensors and cloud connectivity and can consist of motors, drives, mechanical components including bearings, couplings and gearboxes, and pumps.

2 Turning data into insight

ABB Ability™ enables you to monitor both onsite and remote assets and collect data from the VFD's built-in sensors and data loggers, as well as from smart sensors fitted to motors, bearings, and pumps. This data can be used to evaluate efficiency of operation as well as diagnose conditions to ensure appropriate decisions are made.



3

Accessing data for analytics

Detailed information can be extracted into a company's own portal and systems. Information on many aspects of the dairy process is available, including the ability to know exactly when and how production equipment was cleaned.

Detailed dashboards give full transparency so that you can take actions that lead to less downtime, extended equipment life, lower costs, safer operations and increased profitability.



4

Gain a digital advantage

Ensuring that the right person is exposed to the right information at the right time brings:

- Appropriate response to production challenges, minimizing operating costs and product waste.
- Greater insight into various aspects of the dairy process, thereby improving quality and reducing variations, errors and product waste.
- Maximum material traceability to meet regulations.
- Lower risk of production failure and change maintenance from reactive to predictive.

