



The **ABB Ability™ Smart Sensor** converts traditional motors, pumps and mounted bearings into smart, wirelessly connected devices. It measures key parameters from the surface of the equipment which can be used to gain meaningful information on the condition and performance of the equipment, enabling users to identify inefficiencies within their system and to reduce risks related to operation and maintenance.

Identify inefficiencies within your system
Uncover potential for energy savings
Reduce risks related to operation and maintenance
Prevent unexpected downtime
Cut maintenance costs
Extend equipment lifetime

MOTORS



- Attaches to the frame, no wiring or machining needed.
- Relays information about the motor's operation and health via a Bluetooth-gateway or smartphone to a secure server.
- Picks up data on vibration, temperature and other parameters that can be used to gain meaningful information on the condition and performance of the motor.

PUMPS

- Measures vibration and temperature from the surface of the pump, and uses this data to gain meaningful information on the pump's condition and performance.
- Calculates health indicators for detecting common problems in pumps such as cavitation, bearing failure, blade problems,

looseness, unbalance or overheating.



MECHANICAL PRODUCTS



- The sensor gives warnings on decreasing health status, which allows you to plan maintenance before there is a problem and the system is down.
- The ability to monitor mechanical products remotely allows maintenance and other relevant personnel to safely get a health check without touching equipment.

For more information contact your local Applied® branch today

Australia

Applied Industrial Technologies
22 Stamford Road
Oakleigh, Vic 3166

New Zealand

Applied Industrial Technologies
67 Lady Ruby Drive
East Tamaki, Auckland 2013