

## CONDITION MONITORING FOR LOW VOLTAGE MOTORS

# Motors that let you know when it's time for service

**Monitoring and maintenance  
of low voltage motors installed  
across a plant is time consuming  
and expensive**

Failures or oversized motors  
add unnecessary costs



## Many parts of the plant operate in “yesterday’s world”

Nothing being sent, nothing being received.  
No value added from smart services.

### Industrie 2.0

### Industrie 4.0

Tomorrow’s factory  
is smart, because it  
communicates



It gathers and shares data

## Now millions of motors will become smart

Making intelligent services real  
for electric motors!



## ABB Ability™ Smart Sensor

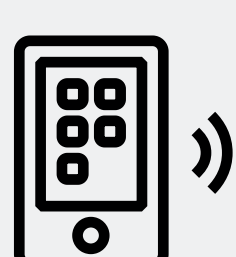
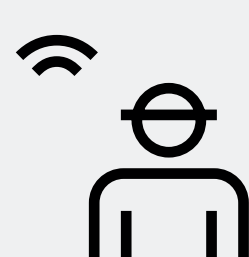
The gateway  
to tomorrow’s  
smart factory



## Advantages of the ABB Ability™ Smart Sensor

### Simply attached directly to the motor

The ABB Ability™ Smart Sensor  
sends key operating data to the cloud



### Motors let you know when it’s time for service

ABB Ability™ Smart Sensor  
collects condition and  
performance data frequently



### User-friendly information

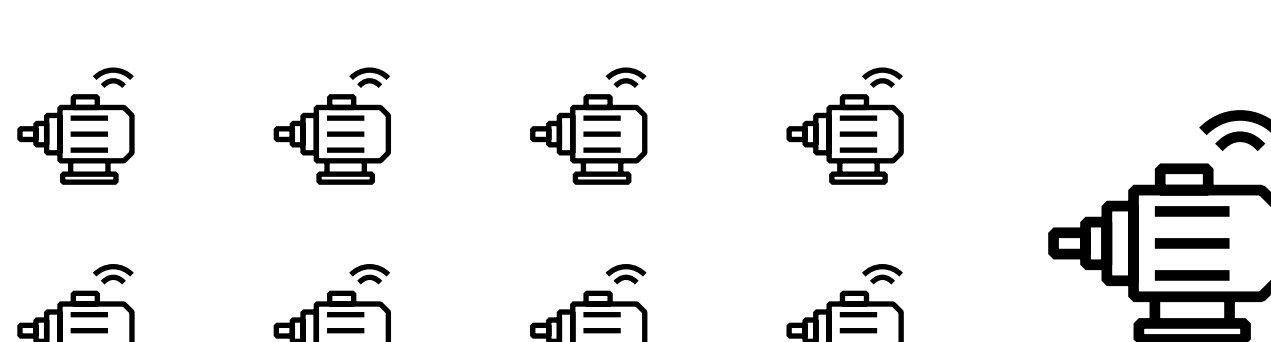


### with reports, performance charts and graphs



Measured and analysed data  
provides recommendations  
on how to optimize operations

## For millions of motors predictive maintenance becomes reality



## Your advantages



### The solution IoT even for small – and medium-sized companies

The smart sensor also enables small and medium-sized  
companies to benefit from the Internet of Things (IoT)



Up to **70 %**  
reduced unplanned  
downtimes



**30 %**  
extended  
motor lifetime



Up to **10 %**  
improved  
energy efficiency

## ABB Ability™ Smart Sensor

Your gateway to tomorrow’s  
smart factory