

PRODUCT NOTE

ABB Ability™ Smart Sensor Cloud Interface

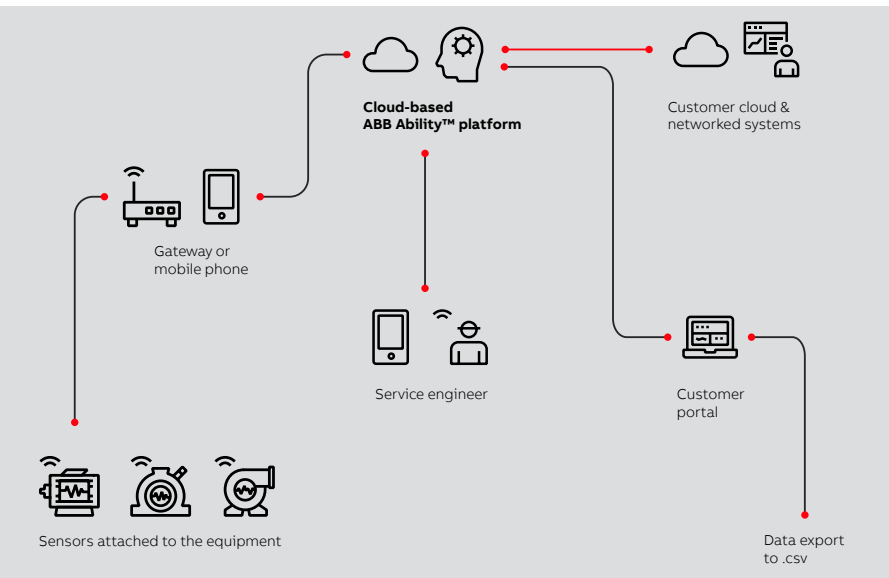


ABB provides a cloud interface that allows customers to access the data acquired by the ABB Ability™ Smart Sensors and integrate it in their own maintenance management system.

01 Integration of the ABB Ability™ Smart Sensor

Minimum system requirements

Integration of the ABB Ability™ Smart Sensor Cloud Interface requires that the users' software has Internet access, supports HTTPS RESTful APIs and that the users have login credentials for the ABB Ability™ Smart Sensor web portal.

If the users can see the sensor in the ABB Ability™ Smart Sensor Platform app, they can also get the sensor data through the Cloud Interface, using the same login credentials.

Available functions and asset features

ABB Ability™ Smart Sensors featuring a valid and active condition monitoring subscription can access the Cloud Interface.

For such sensors, the users can:

- use the ABB Ability™ Smart Sensor Platform app to access the data generated by the sensors
- use the ABB Ability™ Smart Sensor web portal to access the data generated by the sensors
- use the Cloud Interface to integrate the data generated by the sensors directly into their own system
- export the data generated by the sensor for further analysis

The table on page 2 gives an overview of the asset features that are available on the ABB Ability™ Smart Sensor Cloud Interface, the ABB Ability™ Smart Sensor web portal (<https://smartsensor.abb.com>) and the ABB Ability™ Smart Sensor Platform app.

Asset feature	Description	In the app	On the web portal	User's own system accessed via the Cloud Interface
Asset Condition Index	Allows users to monitor condition of their asset(s), providing a status overview (e.g., how many assets are within the following states: poor, tolerable, ok or unknown, or information about the assets' availability, environment, reliability or stress) so that the users can identify the issues and the specific assets.		✓	✓
Asset Event Log	Allows users to visualize their asset(s) event log (alarms and alerts).	✓	✓	✓
Asset Group Measurement Data Export	Allows users to export all data from a group of assets to enable further data analysis.		✓	✓
Asset Health Parameter Configuration	Allows users to configure asset health parameters and set levels for alarms and alerts.		✓	✓
Asset Labeling	Allows users to label assets by adding up to three tags to each asset.	✓	✓	
Asset Localization	Visualizes users' asset locations on a map.	✓	✓	
Asset Measurement Data Export	Allows users to export all asset-related data to enable further data analysis.		✓	✓
Asset Trend Graph	Allows users to generate graphs based on an asset's measurement data and visualize on the web portal.	✓	✓	✓
Favorite Management	Allows users to select any number of assets and organize them into a Favorites Group.	✓	✓	
List Assets with Health	Provides a list of all user-owned assets with their respective health information.		✓	✓
Transfer Asset to Asset Group	Allows users to transfer a particular asset to a previously-defined asset group and thus share it with other users in the same organization.	✓	✓	
View Asset Details	Allows users to visualize all details on assets to which they have access.	✓	✓	✓

The ABB Ability™ Smart Sensor Cloud Interface user guide provides information on how to integrate the Smart Sensor into the user's own maintenance management system.

Open-source sample codes for accessing the APIs of the ABB Ability™ Smart Sensor Cloud Interface are published on GitHub (<https://github.com/abb-motors-and-generators/smart-sensor-api-client>).

For more information please contact:

support.smartsensor@abb.com

or visit:

www.abb.com/smartsensor

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