

## SERVICE DESCRIPTION

# ABB Ability™ Site Manager

## Subscription and Voucher offering

ABB Ability™ Site Manager is the cloud and local solution for monitoring, supervising and analyzing site equipment as well as the site's electrical distribution system. It ensures full-range integration and data collection of main ABB electrical LV and MV equipment installed in the distribution and sub-distribution switchboards.

Installing the ABB Provisioning Tool as described below on your PC/laptop is a prerequisite for commissioning Site Manager.

**ABB Ability™ Provisioning Tool** is the on premise, windows-based software application that is used to:

- Provision the supported devices to the ABB Ability Energy Manager and Asset Manager cloud platform
- Update, delete and substitute the provisioned devices to the cloud Platform
- Manage, configure and update the ABB Ability Edge Industrial gateway

The latest version of the commissioning tool can be downloaded from the link below.

<https://new.abb.com/about/our-businesses/electrification/abb-ability/gateway>

Please refer to the ABB Provisioning Tool Wizard section in the link below to see the detailed commissioning instructions.

<https://search.abb.com/library/Download.aspx?DocumentID=9AKK107680A9224&LanguageCode=en&DocumentPartId=-2&Action=Launch>

### Service descriptions:

**ABB Ability™ Energy Manager for Multisite** provides users with an energy management solution based on preconfigured widgets. Multi-site information is processed to display energy consumption and on-site power generation trends. Both the user interface and the availability of data help users to check up on relevant information related to different facilities.

**ABB Ability™ Energy Manager** provides users with an energy management solution based on preconfigured widgets. Single-site information is processed to display energy consumption and on-site power generation trends. Both the user interface and the availability of data help users to check up on relevant information related to different facilities.

ABB Ability™ Energy Manager local view version is available in one edition only.

ABB Ability™ Energy Manager cloud view version is split in different editions:

- **ABB Ability™ Energy Manager - Complete Matching** enables users to import their data to the platform, store their energy bills in a unique repository for each site and compare the energy tariffs of their facilities, simulate scenarios allowing users to identify their energy consumption profile and optimize energy management processes to reduce energy costs without having devices connected.
- **ABB Ability™ Energy Manager – Watching** leverages on device connectivity to visualize real-time and historical energy data of assets for facility audit. This solution allows users to make data-driven decisions based on reliable information and insights. Users can assess energy consumption for different areas, including those

necessary for auditing processes, and quickly generate reports with related cost allocation, forecast energy profiles and ensure benchmarking of data from different sites.

- **ABB Ability™ Energy Manager – Building** enables users to easily access and analyze energy consumption figures and key variables across multiple sites through a single, user-friendly dashboard. The solution integrates with Building Management Systems and local databases for robust analytics and offers a range of visualizations for sustainability KPIs and targets, making it easy to track progress towards energy efficiency goals. Users can also easily create reports that analyze KPIs and recommend energy-saving actions based on the site's historical asset data. The solution also provides detailed energy consumption data reports, giving users a comprehensive understanding of energy usage patterns and allowing for data-driven decisions to optimize energy performance. Additionally, users can share scorecards and forecasts to facilitate collaboration and decision-making across their organization.
- **ABB Ability™ Energy Manager – Checking** enables users to gain a better understanding of energy usage patterns and receive a full picture of their energy portfolio. Additionally, the solution provides the ability to use formulas to create custom analyses and validate savings achieved with energy efficiency actions using International Performance Measurement and Verification Protocol (IPMVP) procedures through practice in Measurement & Verification (M&V). Users can also export customizable reports that include billing information and activity maps, providing a comprehensive and detailed overview of energy usage and efficiency.
- **ABB Ability™ Energy Manager – Performing** focuses on the "analyze" aspect of energy management. Users can monitor and compare performance over time, create site performance by Energy Performance Indicators (EnPIs), and collect time-series data that affects energy consumption in their plant, and get rationales through APIs or use the ABB E-kit, which provides product notes and information on energy management best practices. Furthermore, it allows for the integration of distributed energy resources, including energy multiutility, electrical distribution, and industrial equipment, providing a comprehensive and cohesive solution for optimizing energy usage and increasing energy efficiency.
- **ABB Ability™ Energy Manager – Scanning** focuses on optimizing energy management capabilities. With this solution, users can detect power quality anomalies from their medium voltage and low voltage electrical distribution, identify and track recurrent issues and their impacts, and receive actionable advice on how to improve power quality on their site. Additionally, users can keep track of their improvement efforts and set up alerts to increase operational efficiency.

Editions are available as subscriptions or vouchers. If you buy a voucher, you will receive a redemption code which can be redeemed within the Site manager portal: <https://sitemanager.ability.abb>

**ABB Ability™ Asset Manager** enables advanced equipment health management of low-voltage and medium-voltage power distribution equipment. Users get granular insights to their equipment condition and performance. Asset condition warnings and alarms are captured, and alerts can be issued. Advanced analytics indicate potential risks and provide maintenance advice. Maintenance tasks can be planned, scheduled and tracked in the maintenance planner.

ABB Ability™ Energy Manager and ABB Ability™ Asset Manager are available in predefined bundles:

- **ABB Ability™ Energy Manager (1Y) – Small Building is the Building edition (above) for the Small Building (35 Data points)**
- **ABB Ability™ Energy Manager (1Y) – Medium Building is the Building edition (above) for the Medium Building (75 Data Points)**
- **ABB Ability™ Energy Manager (1Y) – Large Building is the Building edition (above) for the large building (250 data points).**
- **ABB Ability™ Energy Manager (1Y) – Extra Large Building is the Building edition (above) for the large building (500 data points).**
- **ABB Ability™ Energy Manager – Checking Multisite 10 sites\* 20 devices includes the Checking edition (above) functionalities for 10 sites and 20 devices each.**
- **ABB Ability™ Energy Manager – Checking Multisite 20 sites\* 10 devices includes the Checking edition (above) functionalities for 20 sites and 10 devices each.**
- **ABB Ability Energy Manager – Checking Multisite 10 sites\* 10 devices includes the Checking edition (above) functionalities for 10 sites and 10 devices each.**
- **ABB Ability™ Energy Manager Watching + Asset Manager** provides users with both ABB Ability™ Energy Manager as well as ABB Ability™ Asset Manager features for low-voltage and medium voltage power distribution systems. Users are able to access the combined information of both energy and asset parameters, including alerting, reporting and intervention planning.

Delivery platform	Service name	Service description	Service level (Applicable/ Non-applicable)
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager for Multisite	See above description (available only voucher format)	Not Applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Asset Manager	See above description	Applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager Complete Matching	See above description (available as subscription or voucher)	Not applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager Watching	See above description (available as subscription or voucher)	Applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager Building	See above description (Available as subscription or voucher)	Not applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager Checking	See above description (Available as subscription or voucher)	Not applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager Performing	See above description (Available as subscription or voucher)	Applicable
<b>ABB Ability™ Site Manager</b>	ABB Ability™ Energy Manager Scanning	See above description (Available as subscription or voucher)	Applicable

	ABB Ability Energy Manager local view 1YR – Voucher	Redeem code to activate subscription valid for 1 year; 1 Plant; 5 Devices; 5 Users	Not Applicable
	ABB Ability Energy Manager perpetual license local view	Redeem code to activate subscription Local View perpetual license	Not Applicable
	Extra device for ABB Ability 1YR license local view	Add-On for local view subscription, valid for 1 Year; 1 Plant; 1, 25 or 50 Device	Not Applicable
	Extra device for ABB Ability perpetual license local view	Add-On valid for local view perpetual license, 1 time purchase; 1 Plant; 1,25 or 50 Device	Not Applicable
<b>ABB Ability™ Site Manager</b>	Dashboard	Get knowledge on the systems through pre-configured widgets.Import data, store energy bills in a unique repository, compare energy tariffs.	Applicable
<b>ABB Ability™ Site Manager</b>	Energy Retrospective		Not Applicable
<b>ABB Ability™ Site Manager</b>	Energy Simulator	Simulate different scenarios with several energy assets (solar, BESS, e-mobility, loads. Wind, hydro)	Not Applicable
<b>ABB Ability™ Site Manager</b>	Explore All Equipment	Explore the electrical system installed base	Not Applicable
<b>ABB Ability™ Site Manager</b>	Explore Connectivity View	Explore the electrical system from device connectivity point of view	Applicable
<b>ABB Ability™ Site Manager</b>	Explore Hierarchical View	Explore the electrical system in a hierarchical view	Applicable
<b>ABB Ability™ Site Manager</b>	Explore Views	Upload pictures with tags on custom views.	Applicable
<b>ABB Ability™ Site Manager</b>	Analysis Data Groups	Group the data for a better monitoring and analysis	Applicable
<b>ABB Ability™ Site Manager</b>	Analysis Reports	Export and schedule automatic ready-made reports for the analysis.	Applicable
<b>ABB Ability™ Site Manager</b>	Analysis Advanced Monitoring and Targeting	Presents your meter data as bar, line and heat maps, to compare multiple meters over a single time, or a single meter over multiple time periods, or compare a meter’s usage to its target. Unit conversion and normalization are available.	Not Applicable
<b>ABB Ability™ Site Manager</b>	Analysis Scorecard	Set targets based on driving factors or fixed parameters and compare actual versus target. Access regression analysis, look for overspend, analyze energy consumption compared to a smart target for real-time energy management.	Not Applicable
<b>ABB Ability™ Site Manager</b>	Analysis Advanced Saving	Gain understanding of energy usage patterns and create custom analyses to validate energy efficiency actions through M&V procedures and export detailed reports with billing information and activity maps.	Not Applicable

<b>ABB Ability™ Site Manager</b>	Analysis Power Quality	Optimize energy management by detecting power quality anomalies, identifying and tracking recurrent issues, and providing actionable advice on how to improve power quality with progress tracking and operational alerts.	Applicable
<b>ABB Ability™ Site Manager</b>	Analysis Energy Performances	Analyze energy performance by monitoring and comparing performance over time, creating site performance by EPIs, and integrating distributed energy resources.	Applicable
<b>ABB Ability™ Site Manager</b>	Events All Events	Keep the site events under control	Applicable
<b>ABB Ability™ Site Manager</b>	Events Alert Condition	Set alerts on status change or custom thresholds to trigger push notifications.	Applicable
<b>ABB Ability™ Site Manager</b>	Events Advanced Alarms	Add an alarm based on a fixed value for a period of a week, day or minimum interval	Not Applicable
<b>ABB Ability™ Site Manager</b>	Documentation	Keep the important documents easily accessible	Applicable
<b>ABB Ability™ Site Manager</b>	Upgrade to ABB Ability™ Energy Manager – Watching	Upgrade from Complete Matching edition to the Watching edition	Applicable
<b>ABB Ability™ Site Manager</b>	Upgrade to ABB Ability™ Energy Manager – Performing	Upgrade from Watching edition to the Performing edition	Applicable
<b>ABB Ability™ Site Manager</b>	Upgrade to ABB Ability™ Energy Manager – Scanning	Upgrade from Watching edition to the Scanning edition	Applicable
<b>ABB Ability™ Site Manager</b>	Upgrade to ABB Ability™ Energy Manager – Checking	Upgrade from Watching edition to the Checking edition	Not Applicable
<b>ABB Ability™ Site Manager</b>	Upgrade to Energy Manager Building	Upgrade from Watching edition to the Building edition	Not Applicable
<b>ABB Ability™ Site Manager</b>	Extra Data Points for Medium Buildings (40 Data Points)	Extra Data Points for Medium Buildings 40 Data Points	Not Applicable
<b>ABB Ability™ Site Manager</b>	Extra Data Points for Large Buildings (215 Data Points)	Extra Data Points for Large Buildings 215 Data Points	Not Applicable
<b>ABB Ability™ Site Manager</b>	Extra Data Points for Extra Large Buildings (465 Data Points)	Extra Data Points for Extra Large Buildings 465 Data Points	Not Applicable
<b>ABB Ability™ Site Manager</b>	SLD for Energy Manager	Create SLD, see data coming from devices, such as whether a breaker is open or closed, and whether a device is disconnected or affected by alerts.	Applicable
<b>ABB Ability™ Site Manager</b>	Additional Users	Get additional 15 users to the Site	Applicable
<b>ABB Ability™ Site Manager</b>	Extra Devices	Get additional devices to the site (1, 25, 50, 100)	Applicable

<b>ABB Ability™ Site Manager</b>	Power Forecasting	Visualize the power forecast of the Site	Not applicable
<b>ABB Ability™ Site Manager</b>	Energy Group Analysis	Get an advanced energy group analysis	Applicable
<b>ABB Ability™ Site Manager</b>	Multi-utility metering	Visualize water/gas/heat and other utility data	Applicable
<b>ABB Ability™ Site Manager</b>	Power Protection In-sight	Analyze the Site power quality	Applicable
<b>ABB Ability™ Site Manager</b>	Datacenter Energy Package	Increase data center energy efficiency, with power usage effectiveness (PUE) set of widgets.	Applicable
<b>ABB Ability™ Site Manager</b>	Asset Health Analysis	Visualize the health condition of the equipment	Applicable
<b>ABB Ability™ Site Manager</b>	Custom Asset Hierarchy	Group the assets in customized hierarchies	Applicable
<b>ABB Ability™ Site Manager</b>	Maintenance Management	Manage and plan the service activities	Applicable
<b>ABB Ability™ Site Manager</b>	LV Breakers Health Analysis	Predict the health conditions of the LV circuit breakers	Not applicable
<b>ABB Ability™ Site Manager</b>	MV Breakers Health Analysis	Predict the health conditions of the MV circuit breakers	Not applicable
<b>ABB Ability™ Site Manager</b>	Extra SMS	Add additional 1000 SMS to the standard package	Not applicable
<b>ABB Ability Site Manager</b>	Additional sites	Get additional sites to the multisite (1, 5, 10)	Not Applicable