Monitor, control and analyze the performance of your distributed energy assets.

- Real time monitoring of distributed energy assets using cloud technology
- Increase efficiency and productivity with in-depth analysis of data
- Prevent critical asset failure and increase the reliability of site operations

Asset insights
ABB Ability™ e-mesh™ Monitor
Enhanced visibility into your distributed energy assets

Cloud-enabled digital solution to monitor, control, analyze your assets and site operations.

Industries and utilities are moving towards distributed energy emphasizing on affordable and reliable clean energy. To comply to these demands and maximize revenue opportunities, asset owners need to continuously visualize performance trending and gain knowledge on site productivity. ABB Ability e-mesh™ Monitor is a cloud-based digital platform, exclusively designed to aggregate data from distributed energy assets and turn that into actionable business insights. You can monitor your assets from anywhere and anytime. The e-mesh™ Monitor helps to optimize performance and increase ROI from your distributed energy investments.

Key Features:
- Data extraction from assets using an IoT edge device
- Data aggregation, analysis and storage in a secured cloud environment
- Real-time monitoring of distributed energy assets from anywhere, anytime
- Alarms, historical analysis and performance analytics reporting
- High-end intuitive web interface to visualize data from the field
- Act as a hosting environment for a set of Software as a Service (SaaS) e-mesh™ Applications

e-mesh™ Applications are a set of SaaS applications for descriptive, diagnostic, predictive and prescriptive analytics to improve site productivity, minimize downtime, forecast renewables power generation and increase revenue opportunities. The easy-to-deploy, scalable and machine learning based applications are available as four different suites - Analytics, Optimizer, Premium and Service.

Cloud-enabled digital solution
Monitor, control and analyze your assets and site operations

Aggregate data from distributed energy assets and turn it into actionable business insights.

Cloud services and operations
To optimize the infrastructure costs, all measurements and information collected from the site are stored in a secured cloud database. The users can apply custom date ranges, visualize performance trending and gain knowledge on site productivity.

Automated Alarm System
All field level critical measurements are continuously monitored with a built-in algorithm to ensure smooth operations of the site with limited outages. In case of any deviation from normal operating conditions, then corresponding alarms are triggered.

Performance Analytics and Reporting
A set of analytics dashboards and reports to optimize and maximize the performance of distributed energy assets. Insights such as productivity, efficiency, CO2 emissions and system uptime etc. are measured and displayed in these reports.

Extended functionalities
In addition to the base functionalities of e-mesh™ Monitor, customers can subscribe to any e-mesh™ Applications depending on the business requirements.