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Process Automation Energy Industries  
**ABB Ability™ SCADA** Advantage  
Product Update version 6.0.1





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## SCADA**Advantage** 6.0.1

ABB Ability™ SCADA**Advantage** version 6.0.1 is ABB's Process Automation Energy Industries on-premises and cloud SCADA solution for secure control, management and digitalization of oil and gas, renewable energies, and water operations.

ABB Ability™ SCADA**Advantage** provides supervision, control and automation, alarm and event handling, historian, real-time reporting, industry applications, analytics and optimization, and asset management.

With the integration of our OPTIMAX® for Industrial Sites or ABB Ability™ Genix Industrial Analytics and AI Suite, enterprise management and optimization solutions can be facilitated.

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## Products Concerned

ABB Ability™ SCADA**Advantage**™ 6.0.1

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## Release Description

ABB Ability™ SCADA**Advantage** 6.0.1 contains the following new features, updates, and supported technology.

With this version, we are proud to announce multiple new features will allow your clients to upgrade and/or enhance their system to maximize its performance.

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## New Functionality

The following is the new functionality added in this release:

### **HMI Controls Modernized based on ABB Ability™ Styling and Windows Presentation Foundation**

SCADA<sup>Advantage</sup> HMI controls have been modernized based on ABB Ability™ Styling and migrated to Windows Performance Foundation (WPF), allowing HMI Designers and Engineers to create fit for purpose HMIs solutions to meet the demands of the industry. These controls have been developed to be touch enabled and high performance.

Refer to the Display Builders Guide in the product help for the list of controls and how to create a new HMI.

It is highly recommended to participate in HMI training prior to migrating or creating an HMI.

### **SCADA<sup>Advantage</sup> Explorer – Enhancements and Modernized User Interfaces**

The following SCADA<sup>Advantage</sup> Explorer configuration user interfaces have been modernized with ABB Ability™ Styling.

- Communication Analyzer
- EFM Metering Menu
- Extended Database Information
- User Message Management

Note: the remaining configuration user interfaces will be modernized in future versions.

The Communication Analyzer has been enhanced with a Quick Select feature and improved user experience with simplification of the layout and usage of slid-in panels.

### **Gas Quality Send Out Application - Engineering Tool Enhancement**

Gas Quality Send Out (GQSO) application has been redesigned to provide a better user experience. This version allows more flexibility without the need to compile a mapping .dll file. It also provides the possibility to use files coming from multiple laboratories with different structures.

### **Licensing software version upgrade**

A new version of the ABB Licensing Software is installed (6.1.1). This version fixes found vulnerabilities in the previous version.

### **Metering Application - ABB Totalflow AGA 7 Gas Meters**

SCADA<sup>Advantage</sup> support the ABB Totalflow AGA7 Gas Electronic Flow Meter within the Metering application and is fully integrated.

### **OPC UA Server - Alarm and Conditions (A&C), Historical Data Access (HDA) and Server Event Profiles**

The OPC UA Server has been enhanced to include the Alarm and Conditions, Historical Data Access and Server Event profiles in addition to the Data Access (DA) profile included in the initial release in version 5.6.5. These additional profiles allow the OPC UA Server to provide device and SCADA<sup>Advantage</sup> Host generated telemetry alarms, events and conditions, historical telemetry data and OPC UA Server events.

### **Patch distribution using MSI files**

Hotfix patches are now using MSI files to install monthly hotfixes. The patch can be executed on Server or Client machines, only required files will be updated depending on the machine type.

### **Reporting Application - Upgraded Designer and Engine**

The integrated Reporting application has been upgraded with user experience improvements to the Report Designer, upgrading the reporting creation engine and storing the report definitions in the RTRDB.

### **SCADAverage HMI WinForms to WPF Project Migration Services**

The SCADAverage support team provides a migration service to convert an existing WinForms SCADAverage HMI project to WPF. Contact either your SCADAverage Sales representative or SCADAverage Support for details.

### **Disaster Recovery - Support for a 2nd Backup Site**

Disaster Recovery can now be configured with one main site and up to 2 backup sites. If a second backup site is installed, redundancy will not be supported at either backup site.

### **Engineering Command Line Tool**

The Engineering Command Line Tool has been enhanced to allow the user to Extract the Configuration to JSON.

### **String Points - State Limit Group Enhancements**

New State Limit Group's Limit Types have been added to support String Points. The new limit types include Match, Not Match, Contains, Not Contains, Starts With, Not Starts With, Ends With and Not Ends With.

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## **Supported Technology**

The following technologies are supported in this version of SCADAverage:

- Microsoft Windows 10 Enterprise LTSC 2019 - Operations & Engineering computers
- Microsoft Windows Server 2019 LTSC (version 1809) - RTRDB and Disaster Recovery Servers
- Microsoft Windows Server 2022 LTSC - RTRDB and Disaster Recovery Servers
- Microsoft Visual Studio 2019 - professional or enterprise, version 16.11 or later
- Microsoft Office 2016 - 32-bit and 64-bit
- Microsoft .NET Framework 4.7.2 or 4.8
- ABB Licensing 6.1.01100529

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## Reference Documents

ABB Ability™ SCADA<sup>Advantage</sup> 6.0.1 Release Notes – [3CCA2024-003416](#)

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## How to Order

Contact Product Management or Technical Sales Support at [SCADA<sup>Advantage</sup>.info@abb.com](mailto:SCADA<sup>Advantage</sup>.info@abb.com) or your local ABB representative for ordering and technical sales support

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