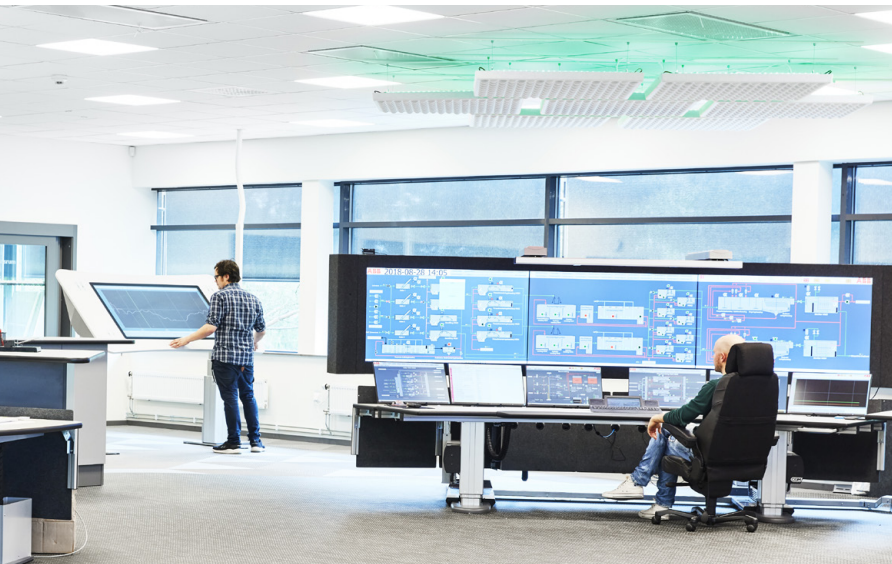# ABB Ability™ System 800xA
Version 6.1.1 – What's new

System 800xA 6.1.1 makes your decision easy. Regardless if you are an existing owner of an 800xA system or looking for an automation platform for your next project – System 800xA 6.1.1 is an easy call to make.

What can System 800xA 6.1.1 do for you?
With System 800xA 6.1.1, it is easier than ever to implement and manage digital solutions. Based on the latest operating systems, the new version offers increased security as well as leaps in engineering, communications and I/O capabilities, that can help power your digital transformation.

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01 Dashboard - ABB Ability™ Genix Industrial Analytics and AI Suite

Accelerate your digital transformation
System 800xA 6.1.1 makes it easier than ever to implement digital solutions. Thanks to the 800xA Publisher system extension, you can both securely and easily choose which data to stream to ABB Ability™ Genix Industrial Analytics and AI Suite. This data is available in context to various applications, both on the edge or in the cloud.
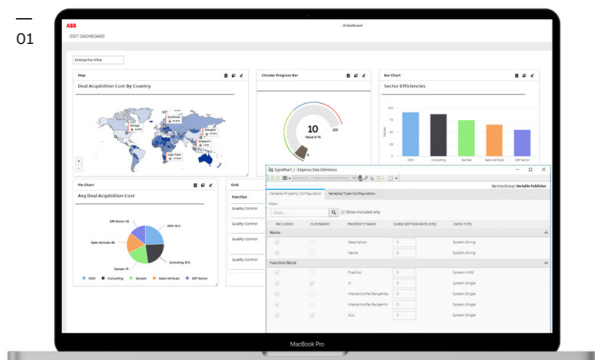
Reduce downtime related to software upgrades
It is now both easier and faster to update your 800xA systems. Multiple operating system support, System 800xA's flexible update capabilities and support for Windows "in-place" allows system owners to update their systems by section, over time, and online greatly reducing the time and effort required.
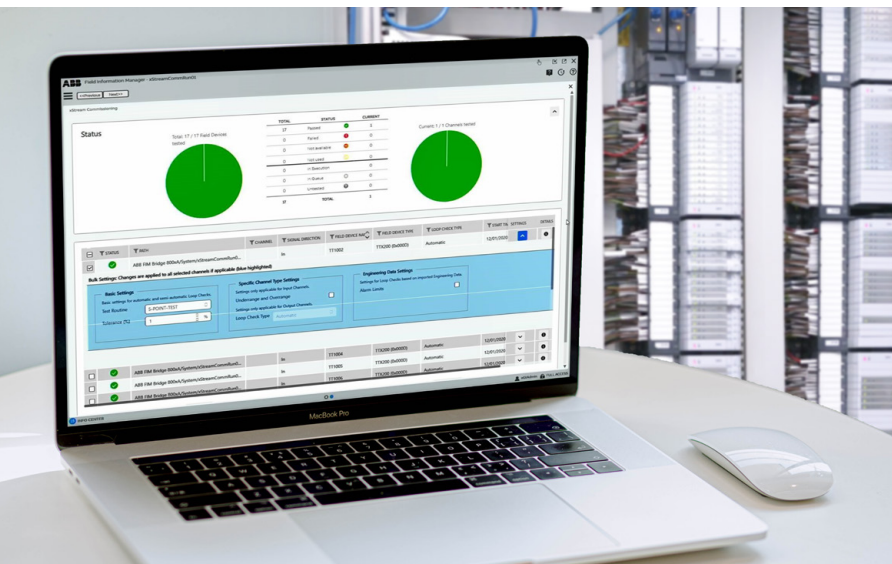

Microsoft Windows
2016, 2019 & 2022*

*requires 6.1.1.1

Provide peace of mind through enhanced security
In addition to supporting the latest operating systems and security updates, System 800xA 6.1.1 is approved for use with McAfee Endpoint security and applications such as Application Control. Also, ABB has achieved ISASecure® System Security Assurance (SSA™) Level 1 certification for System 800xA according to the IEC 62443 international cyber security standard.

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Faster commissioning

The Ethernet I/O Field Kit, with xStream Commissioning, facilitates smooth commissioning of greenfield projects and brownfield expansions.

Field instrument technicians can configure and commission S800 on Ethernet and Select I/O clusters with a single laptop - without the need for any controller or I/O communications hardware. Automated loop checks can be performed on multiple smart devices simultaneously reducing the required man-hours by over 90%.

Promotes secure collaboration

Thanks to a wide range of OPC UA connectivity options, System 800xA 6.1.1 promotes secure collaboration between systems, devices and applications. The new version includes OPC UA client and server capabilities at the system level and an OPC UA client for the AC 800M controller via the new CI874 communications interface module.

Easy and efficient orchestration

System 800xA 6.1.1 embraces Modular Automation Orchestration to provide a standard compliant, "plug and produce" environment that improves production flexibility and competitiveness.

The new version allows you to seamlessly import Modular Type Packages (MTPs) and add coordinated control logic required for the superior supervisory control.
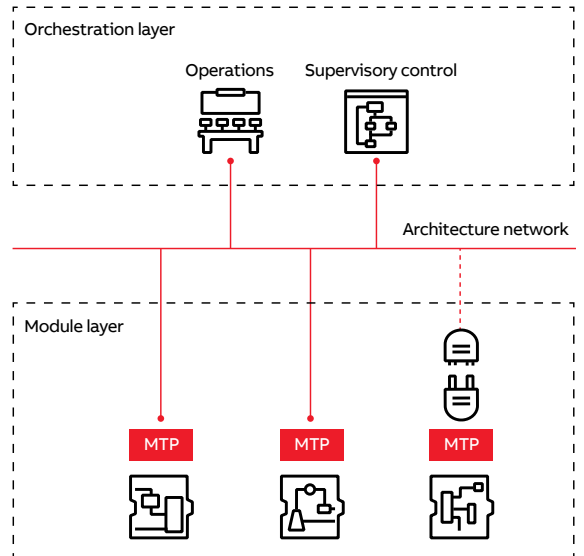
Higher flexibility and lower footprint with Select I/O enhancements

Select I/O now offers single-mode fiber optic Ethernet adapters, signal conditioning modules (SCMs) with built-in intrinsically safe barriers for both process and safety applications, and channel redundancy. These additions reduce the amount of ancillary hardware needed to meet various project requirements, help to reduce the impact of late changes and keep cabinet footprint to a minimum.

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03

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04

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