Symphony Plus Engineering.
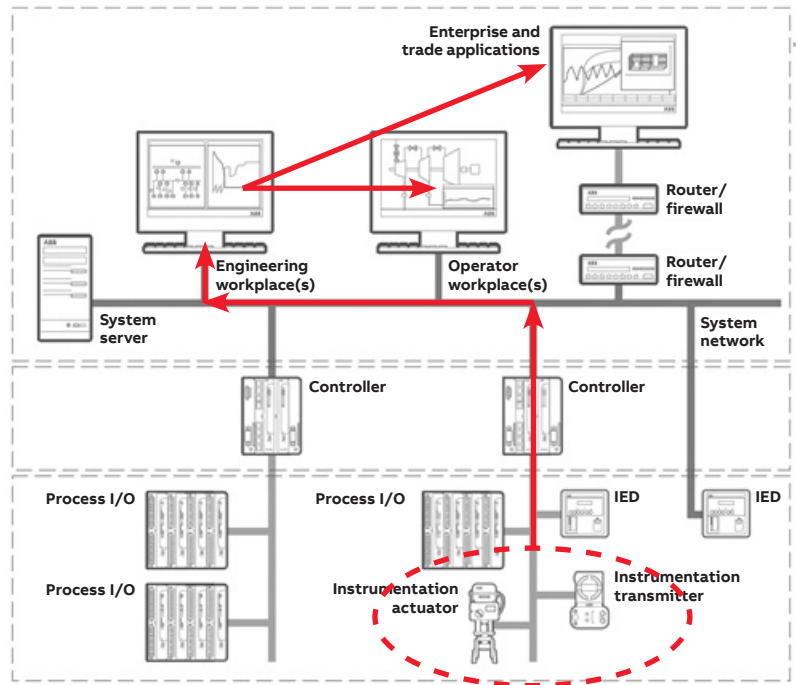## Device Management 1.0.

DEVICE MANAGEMENT 1.0

Provides automated support for fieldbus management and includes a Web-view for alerts and high priority conditions.

Enables seamless communication between devices.

Integrated into S+ Engineering:
A unified engineering environment.

Seamless communication of smart device data

Enterprise and trade applications

Engineering workplace(s)

Operator workplace(s)

Router/firewall

Router/firewall

System server

System network

Controller

Controller

Process I/O

Process I/O

Process I/O

IED

IED

Instrumentation actuator

Instrumentation transmitter

Symphony® Plus Engineering Device Management software performs data acquisition, device monitoring, and device maintenance support for PROFIBUS and HART instrumentation. The solution seamlessly leverages the configuration data already present in Composer Field Engineering to provide users with quick access alerts and high priority conditions. Built-in Web-View provides a Device Status Dashboard, as well as an Event Viewer and Device Details page to enable users to take decisive action to increase plant reliability.

Symphony Plus functionality enables users to access a wide range of intelligent field devices including transmitters, actuators, motor control centers, flame scanners and intelligent electronic devices from both ABB and third-party vendors. Each device's resident information can then be used in real-time control strategies and higher level applications.

In addition to producing tighter and more reliable process control, these solutions lower installation costs by reducing wiring and system footprint. Along with S+ Operations HMI and S+ Engineering, they provide much greater visibility of plant performance, and enable the integration of operations and maintenance work processes.

- Project benefits: Fewer field devices required, reduced field cabling and labor, shorter start-up and commissioning times.

- Operation benefits: Reduces the likelihood of unexpected shutdowns, improves system reliability, and lowers maintenance costs.

The Problem

Maintenance is the largest controllable cost in a plant. Traditional maintenance strategies often result in no action and lower return on the assets. They are difficult to streamline and do not facilitate collaboration between daily operations and maintenance activities.

The Situation

There are different strategies for different assets. There is a wealth of plant data that can be used to identify and alert on degrading asset performance before failure occurs.

The Solution

Integrated device management reduces maintenance costs through:
– Common understanding of maintenance strategies
– Real-time measurement of device performance
– Seamless integration with control strategies
– Common view of device performance
– Seamless information-sharing between operations and maintenance (DCS-CMMS)
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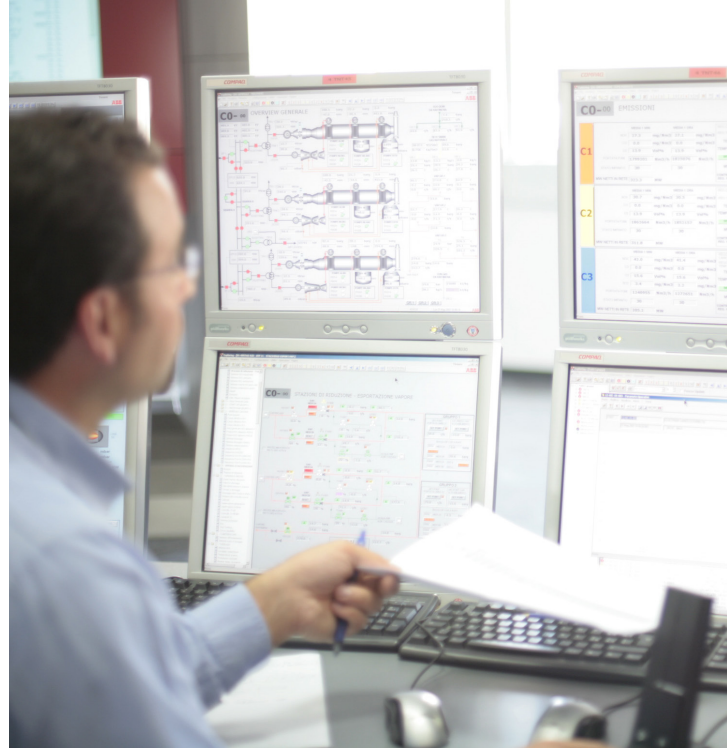
The Value

Greater device awareness for cost-effective maintenance and collaboration.

Integrated device management allows field device data to be proactively monitored and provides quick access to asset alerts and statuses.

Reduces the likelihood of unexpected shutdowns, improves system reliability and lowers maintenance costs.
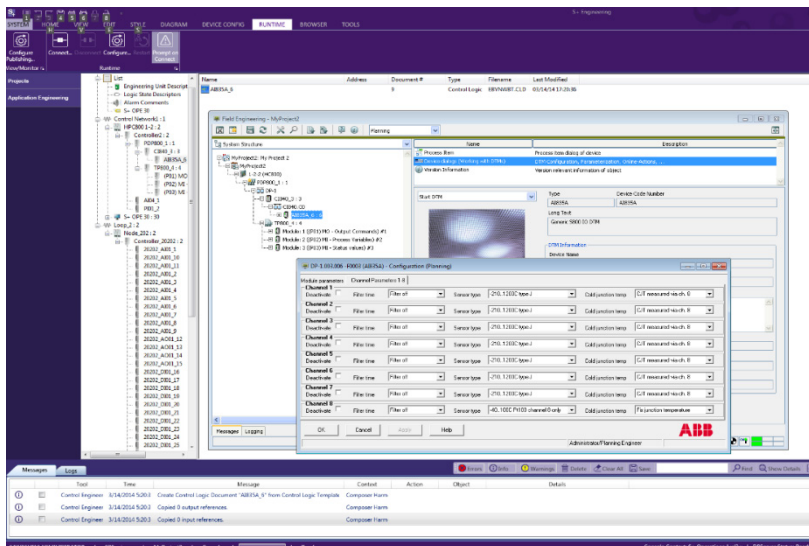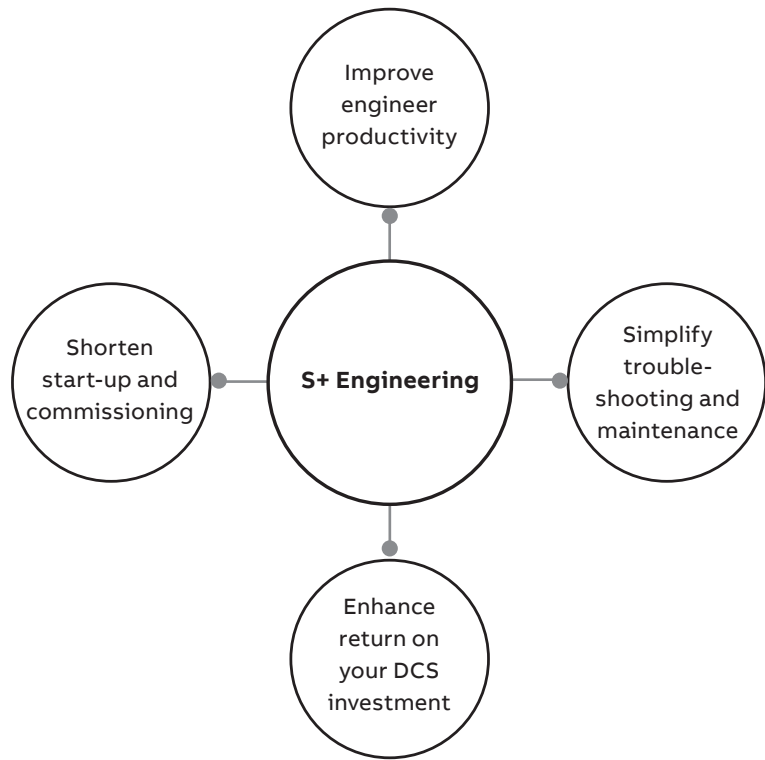
Symphony Plus
S+ Engineering

Unified engineering environment

An efficient platform to engineer, configure, administer secure, commission and maintain your Symphony Plus control system.

A unified platform to engineer and manage various plant subsystems (network, console, I/O, field, electrical, etc.)

– Productivity features that improve efficiency
– Multiuser engineering
– Bulk engineering
– Integrated field device management
– Built-in security (role-based access control audit trail)

Improve engineer productivity

S+ Engineering

Shorten start-up and commissioning

Simplify trouble-shooting and maintenance

Enhance return on your DCS investment

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