



VIRTUALIZED PROTECTION AND CONTROL

Introducing SSC600 SW

ENGINEERED
TO OUTFIT

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Centralized protection and control

- In a nutshell
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Centralized protection for distribution substations in a nutshell

Smart substation control and protection SSC600



Innovative

- Centralizes all protection and control functionality in one single device on distribution substation level
- Fully based on international standards such as IEC 61850



Easy-to-use and cost-effective

- Minimal engineering from start to finish
- Fast and easy system-wide upgrades
- Extensive application coverage with one device
- Disturbance recordings for the entire substation



Future-proof and flexible

- Fully modular software allows SSC600 to change with the evolving grid and increasing digitalization of substations
- Maximum flexibility throughout the substation's entire lifetime
- IEC 61850-3-certified with inbuilt redundancy and self-supervision

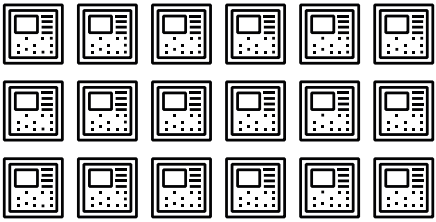


Optimized management

- Easy and efficient process management with station-wide visibility
- Cost-efficient maintenance with reduced amount of product variants
- Efficient configuration back-up management

Why go from conventional to centralized and virtualized approaches?

Less hardware and increased performance, flexibility and speed



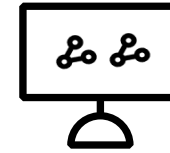
60

protection
relays



2

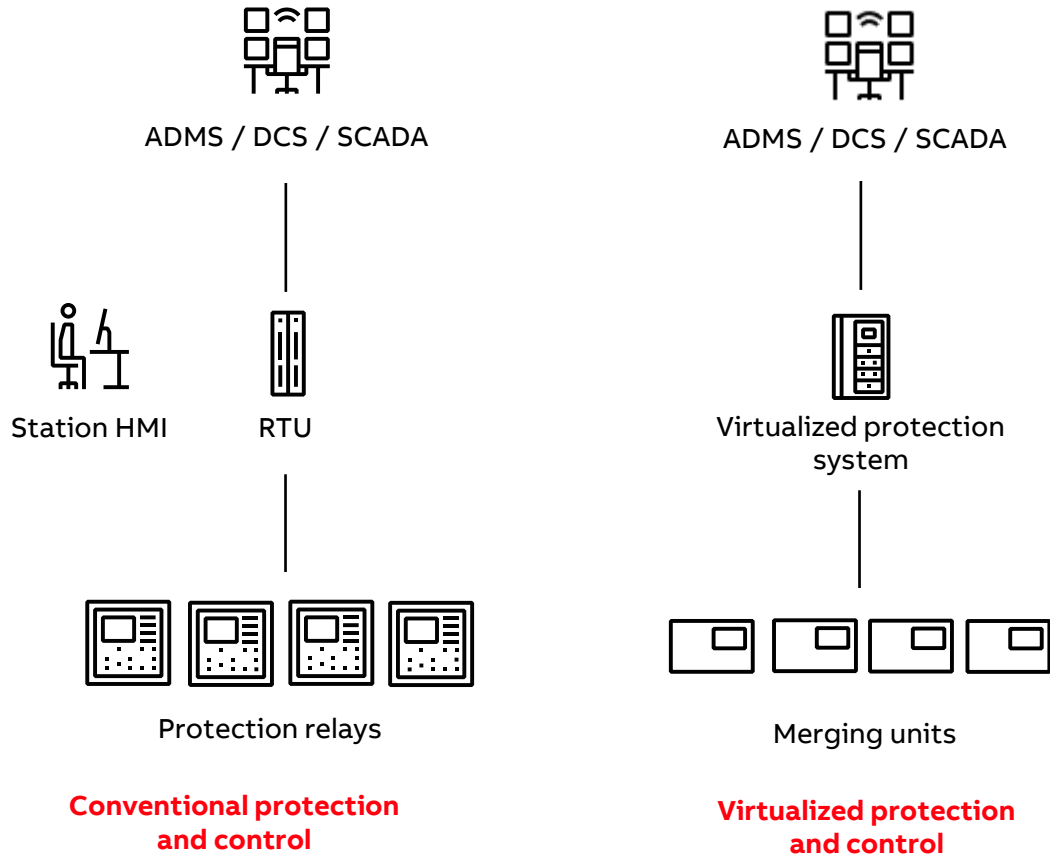
centralized protection
and control devices



2

software images
on one server

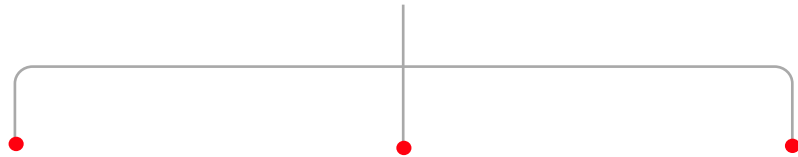
From a conventional to a centralized and virtualized approach



What is the difference?



Smart Substation Control and Protection SSC600



All-in-one turnkey solution

- Type-tested hardware and software
- ABB's warranty and global support

Centralized functions

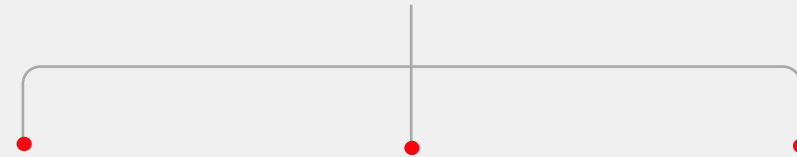
- Centralized PAC functionality
- Extensive application coverage
- Advanced protection capability
- Station-wide single line diagram
- Centralized fault and disturbance recording

Future-proof and flexible

- According to international standards



Smart Substation Control and Protection SSC600 SW



Hardware independent

- Freely select commercial off-the-shelf hardware

Centralized functions

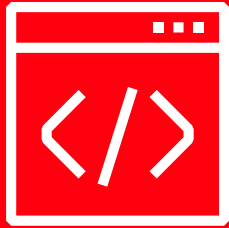
- Same protection and control functionality as the turnkey solution

Future-proof and flexible

- According to international standards
- Compatible with open-source and commercial vendors for the virtual machine layer

Centralized protection and control

Two options



**Smart Substation
Control and Protection
SSC600 SW**

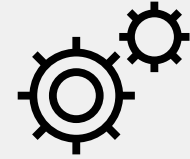


**Smart Substation
Control and Protection
SSC600**

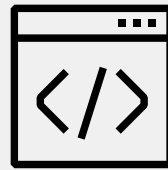
Components of virtualized protection and control



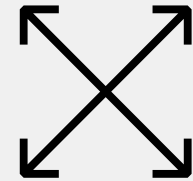
Hardware of your choice



Virtual machine environment



SSC600 SW



Connectivity

Virtualized protection and control

A future-proof, simple, flexible and high-performing system



Simplicity

Simplification of assets to gain maintenance efficiencies.



Flexibility

Utilize the hardware of your choice and gain efficiency and flexibility with independent hardware and software lifecycles.



Performance

Get the most out of the hardware of your choice with optimized usage of your system resources



Future-proof

State-of-the-art protection and control technology to ensure that you can evolve your system according to your needs.

SSC600 SW

When you only want
what's inside



AABB