

# ECOFIT™ for your Substation Automation

PSCN3020 HMI [AREVA]

Substation automation

Achieve higher sustainable performance with ECOFIT™ modernization solution!



## Benefits

- Extend your switchgear lifetime.
- Digitization, enable access to asset and energy management.
- Reduced environmental impact
- Enhance your process dependability.
- Optimize your maintenance service costs & limits your investments.
- New ECOFIT™ spare parts availability.

### Maximize continuity of operation

- Life time extension for existing switchgear.
- Less downtime than with full panel replacement.
- Reduces plants shutdown time from days to hours.

### World class manufacturer design

- Original manufacturer tested solution.
- Worldwide support with manufacturer warranty.
- No change of cables and no civil work.
- Safety of people and surrounding equipment.
- Improve reliability and quality with compliance to new standards.

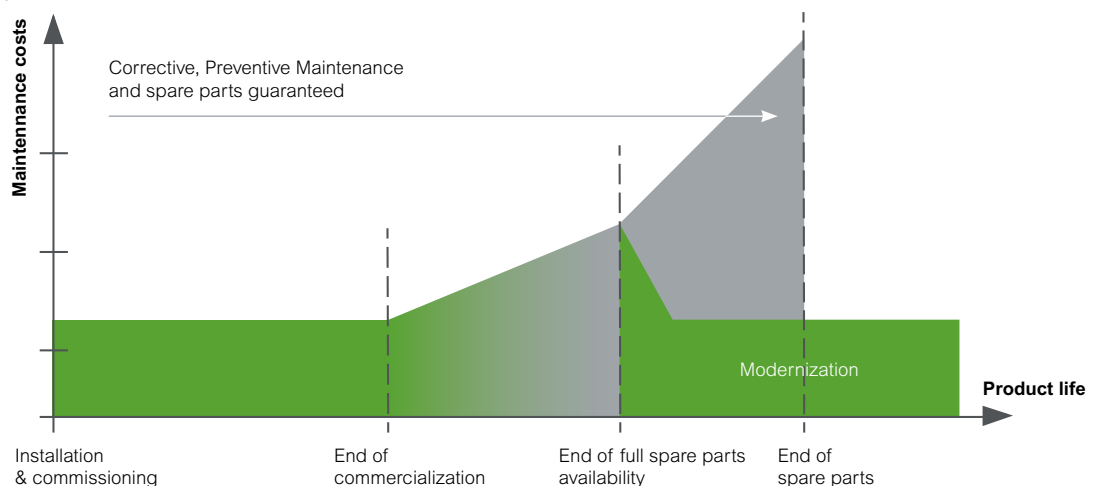
### Reduce environmental impact

- Access to energy management with digital products.
- Efficient use of natural resources by replacing only active components.
- Recycling of obsolete equipment (metals, plastics, SF6, etc).

### Schneider Electric team with you

- Worldwide support.
- Manufacturer expertise.
- Skilled installation and commissioning experts.

## Total Cost of Ownership evolution



# PSCN3020 HMI with EcoStruxure Substation Operation user interface

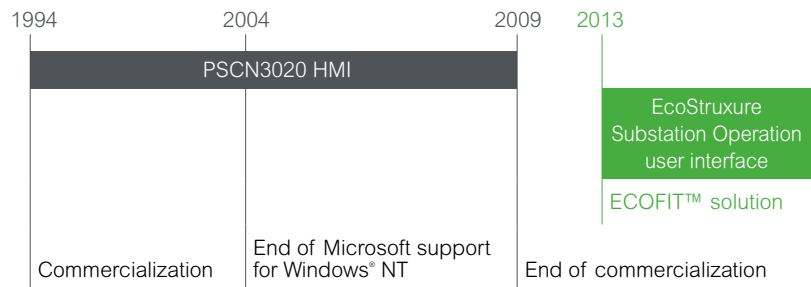
Original brand: AREVA

ECOFIT™ proposal

PSCN3020



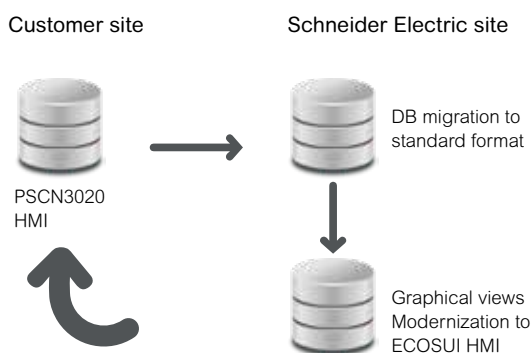
With ECOFIT™, a true extended life time



## Main characteristics and performances

PSCN3020 HMI	EcoStruxure Substation Operation user interface
Windows® NT4 OS / 2	Windows® 10
One EFIP network management	Open to Ethernet IEC61850 for all future extension and step by step replacement of bay controllers
Configuration & database generation using proprietary & obsolete software	Direct IEC61850 configuration by import of SCD file for all new extensions
Redundancy switch over within 1 mn	Hot redundancy seamless switchover
Handled dataflow limited by EFIP protocol	Handled dataflow up to 3000 MV archived /sec/server, once fully migrated to IEC61850

## Typical HMI migration steps by the manufacturer



### What are the benefits?

- No impact on existing ethernet network, bay controllers, gateways & IEDs, as well as electrical drawings or process wiring
- Fast implementing without substation shutdown
- Original HMI can remain in operation
- Secure migration managed by the manufacturer
- Cost effective solution providing advanced graphical interface features, enhanced performances
- System ready for step by step retrofit of bay controllers, gateways and IEDs
- Open to future extensions on IEC 61850 network

Schneider Electric Industries SAS  
 35 rue Joseph Monier  
 92500 Rueil-Malmaison, France  
 Phone: + 00 (0) 1 41 29 70 00  
[www.schneider-electric.com](http://www.schneider-electric.com)

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