

# ECOFIT™ for your MV Switchboard

R / M - MC - IMC - E - AL - ALF - BAL - FAL - IFAL - TG [AEG, ALSTOM]

Medium voltage distribution

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.

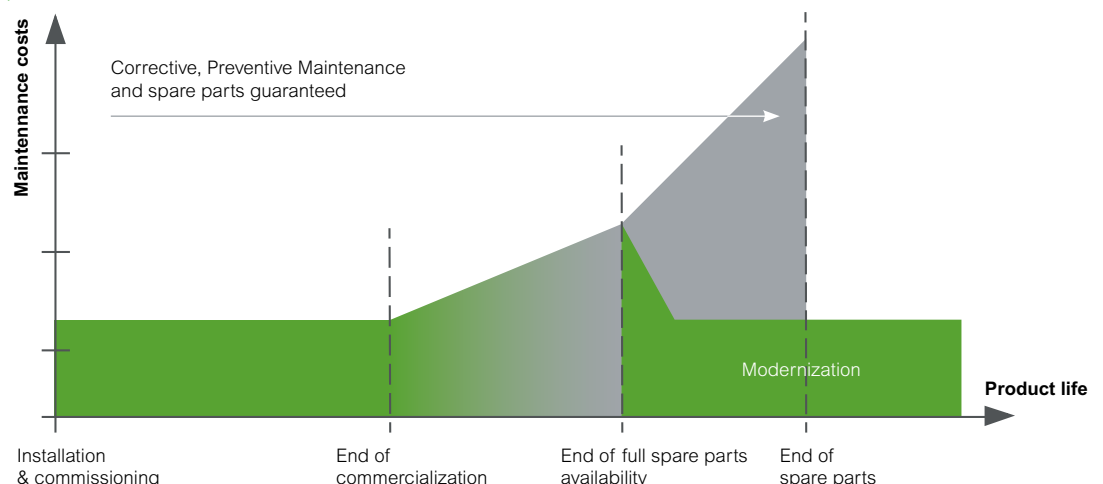
### Reduce environmental impact

- 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



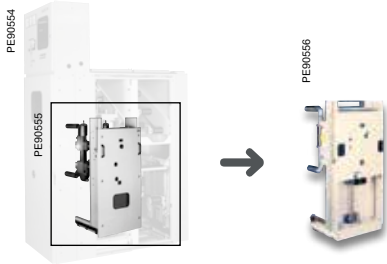
# R / M - MC - IMC - E - AL - ALF - BAL - FAL - IFAL - TG with VA - VAA - Contactor

Original brand: AEG, Alstom

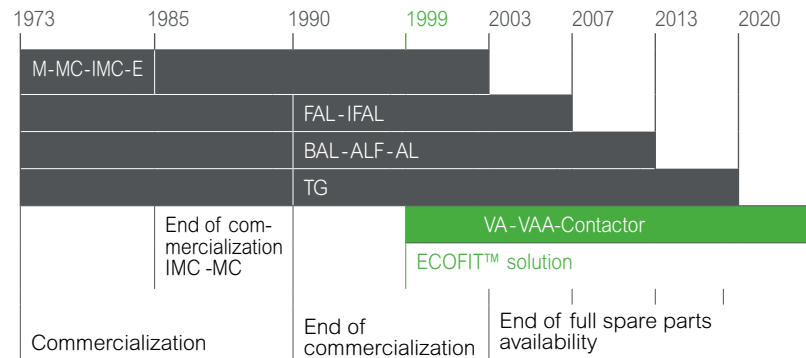
## ECOFIT™ proposal

M-MC-IMC-E--AL-ALF-BAL-FAL-IFAL-TG Switch device

VA-VAA-Contactor



### With ECOFIT™, a true extended life time



## Main technical characteristics

	M-MC-IMC-E-AL-ALF-BAL-FAL-IFAL-TG
Rated current (Ir)	1250-4000 A
Short circuit current (Isc)	16-50 kA
Rated voltage Un (50/60 Hz)	12-36 kV

	VA-VAA-Contactor
Technology	Vacuum
Rated voltage Ur (kV)	12-24
Surge withstand voltage Up (kV)	75-125
Nominal frequency (Hz)	50-60
Rated current Ir (A)	630-3550
Short circuit current Isc (kA)	16-50
Short circuit duration Tk (s)	3

	VA-VAA-Contactor
Switching sequence	O-0.3s-CO-3min-CO
Closing time (ms)	20
Opening time (ms)	20-50
Number of switching operations	10000
Service temperature (°C)	-5/+40

Note: vacuum solutions may require overvoltage protections.

## Asset Connect

### Compatible with Ecostruxure smart sensors (available in 2020/2021)

- TH110: to monitor temperature of electrical connections (Busbar, CB arms, cables, windings)
- CL110: to monitor dew point and detect potential corrosion
- ARC FLASH: arc flash fault protection functionality enhances both people and property environment of care.

### Additional offer

- Remote racking available for higher operator safety
- Improve energy and asset management: replacement of old protection relay with digital and connected relay.



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Life Is On

