



# Recycling your medium voltage equipment — are you ready? >

EcoFit™ Recover can help you achieve higher sustainability and environmental compliance

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Life Is On

**Schneider**  
Electric

## What is the service life of a medium voltage device?

The service life of a medium voltage device greatly depends on its conditions of use and on the environment in which it has been used. Schneider Electric equipment is designed to last approximately thirty years, provided that maintenance is carried out on a regular basis.

## How much SF6 is there in a medium voltage cubicle?

The quantity of SF6, which varies according to the equipment, is on average 200g for a switch and 400g for a circuit breaker.

## What are the risks if I do not recycle my medium voltage electrical equipment?

If waste products are abandoned, dumped or treated in a way that does not conform to the legal requirements, the authorities can automatically dispose of such waste products at the expense of the company responsible. If the holder of electrical equipment containing SF6 gas or PCB contaminated oil has not had his cubicles recycled, he will also be liable to fines and legal proceedings.

## Does your offer only apply to medium voltage equipment manufactured by Schneider Electric?

This offer applies to all medium voltage equipment, whatever its technology, its brand or country of manufacture.



Medium voltage  
equipment  
regulations

Removal and  
recycling  
expertise

Safe and  
secure SF6  
processing

Our role in a  
cleaner future

Our recycling  
and recovery  
process



# What can Schneider Electric do for you?

Schneider Electric offers turn-key solutions that include processing of obsolete equipment and closed-process SF6 recycling or destruction. Our services help you comply with regulatory standards and achieve greater sustainability.

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## Circular Economy at its best

Schneider Electric stands out from its competitors by:

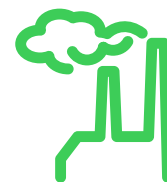
- Closed-process for SF6 gas recycling or destruction
- Certification for traceability
- Optimization of the dismantling and treatment processes
- Valorization of existing components

## Giving you absolute peace of mind

Schneider Electric's concern for environmental issues allows it to offer its customers a seamless turnkey solution for the removal and/or recycling of obsolete equipment.

## Helping you become fully environmentally compliant

With their extensive knowledge and expertise in the areas of SF6 gas processing and oil recovery certification, Schneider Electric is the ideal partner for end-of-life services for your medium voltage equipment.



# 75%

The global installed base of SF6 is expected to grow by 75% by 2030



# 100 million cars

Annual global SF6 emissions are the equivalent to yearly CO2 emissions produced by approx. 100 million cars



# 80%

The energy distribution industry is responsible for 80% of SF6 emissions

Source: McGrath, M. 2019, Godemel, F. 2019, Powell, 2002: 6

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Our role in a cleaner future

Our recycling and recovery process



# A legal requirement, an environmental duty

Waste sorting and recycling has become a major environmental challenge that concerns us all. By thinking of recycling our electrical equipment today, we are working towards leaving a better environment for future generations.

In many countries around the world, the recycling of SF6 gas is becoming subject to stricter local regulations. In Europe for instance, it is mandatory to recycle, reclaim or destroy the SF6 gas contained in electrical equipment (regulation (EU) N°517/2014).



98%

of a medium voltage cubicle can be recovered.



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# How our EcoFit™ Recover Services work



## On-site equipment collection

Recovery of medium voltage equipment from the customer's site and transportation to a specialist Schneider Electric recycling facility.



## Dismantling and SF6 extraction

The equipment is dismantled and the components are separated and recycled as appropriate.



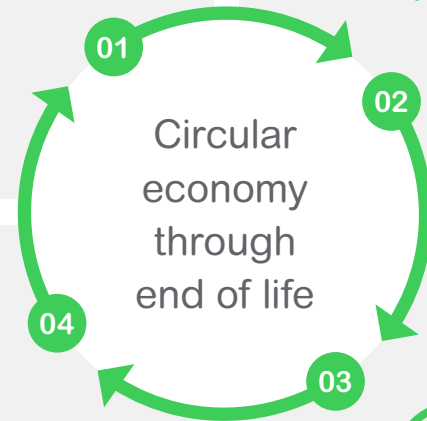
## EcoFit™ Recover

The SF6 gas is recycled and a certificate of recycling or destruction compliant with the regulations is sent to the customer.



## Components revalorization

The SF6 is evacuated until the residual pressure is less than 5mbar, in accordance with the IEC standard, using special equipment. The gas is then being sent to a specialist for regeneration or destruction. Parallel to this operation, the remaining components such as metals and thermoplastics are sorted and recycled or reused whenever possible.



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# Discover EcoFit™ Recover

Helping you to fully comply with environmental regulations through offering our customers **a smooth turnkey solution** for the removal and/or recycling of obsolete equipment.

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To learn more about **EcoFit™ Recover**, contact your local Schneider Electric service sales representative.

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