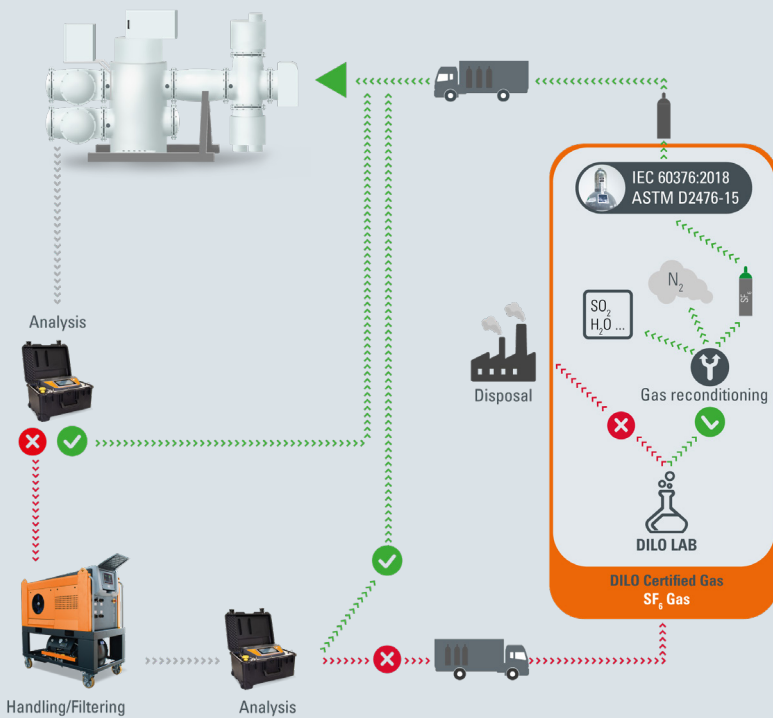


## ECONOMICAL AND SUSTAINABLE ALTERNATIVE TO NEW SF<sub>6</sub> GAS

SF<sub>6</sub> gas is indispensable for safe operation of SF<sub>6</sub>-filled switchgear. However, it may occur that the SF<sub>6</sub> quality is outside the required standards and the gas therefore has to be replaced, or a switchgear is decommissioned and you cannot continue to use the gas for the maintenance of other switchgear. But every kilo of new SF<sub>6</sub> gas produced and used SF<sub>6</sub> gas disposed of means further emissions and an additional environmental impact. DILO now offers an economical and sustainable alternative to filling your SF<sub>6</sub>-filled switchgear in a safe and emission-free way:

### DILO CERTIFIED SF<sub>6</sub> GAS



#### DID YOU KNOW?

- DILO Certified SF<sub>6</sub> Gas is proven to exceed the quality standards for new SF<sub>6</sub> gas.
- DILO is able to recondition SF<sub>6</sub> with an SF<sub>6</sub> gas content of at least 40 %.
- DILO accepts SF<sub>6</sub> gas with an SO<sub>2</sub> content of up to 250 ppmv for reconditioning.
- DILO also organises the collection or return transport of your SF<sub>6</sub> gas on request.

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## THE 'WIN-WIN' ALTERNATIVE TO NEW SF<sub>6</sub> GAS

The idea behind DILO Certified SF<sub>6</sub> Gas is very simple: Instead of producing and circulating new SF<sub>6</sub> gas or destroying used gas, SF<sub>6</sub> gas that is no longer useable is reconditioned.

As a TÜV SÜD-certified waste management company, DILO uses a cryogenic separation process to recondition used SF<sub>6</sub> gas, in which by-products are separated by using pressure and cold via various stages. What remains is pure SF<sub>6</sub> gas, which can then be used again.

We offer you the entire process from collection of the used SF<sub>6</sub> gas to reconditioning and testing in our in-house laboratory to return transport. For a minimum quantity of 2 tonnes, the used SF<sub>6</sub> gas can also be reconditioned on site.

Substance	DILO „Certified Gas“ quality	IEC 60376:2018 (New gas)	ASTM D2472-15
SF <sub>6</sub>	> 99,9 vol.-% (> 99,99 wt%)	> 98,5 vol.-%	≥ 99,8 weight-%
H <sub>2</sub> S	≤ 8 µl/l	< 200 µl/l	≤ 8 ul/l
Frost point (100 kPa)	≤ -62 °C	-36 °C	-62 °C
Total acidity (HF equivalent)	< 0.1 µl/l	< 7 µl/l	≤ 0.3 ppm <sub>w</sub>
Air	< 500 µl/l	< 10.000 µl/l	≤ 500 ppm <sub>w</sub> (2500 µl/l)
CF <sub>4</sub>	< 500 µl/l	< 4.000 µl/l	≤ 500 ppm <sub>w</sub> (830 µl/l)
Oil mist	< 1 mg/kg	< 10 mg/kg	–
SO <sub>2</sub>	< 0.1 µl/l	–	–

### YOUR BENEFITS AT A GLANCE

- **Low costs**  
No costs for new SF<sub>6</sub> gas, no costs for the disposal of used SF<sub>6</sub> gas.
- **Avoiding taxes**  
No CO<sub>2</sub> taxes for the import of new SF<sub>6</sub> gas, no regional taxes when using new SF<sub>6</sub> gas.
- **Effective environmental protection**  
No resource consumption for the production of new SF<sub>6</sub> gas, no environmentally harmful disposal of used SF<sub>6</sub> gas.
- Collection / dispatch in vessels rented or purchased from DILO or customer's own pressure vessels.



[www.dilo.eu](http://www.dilo.eu)

For more information about DILO Certified Gas please refer to [www.dilo.eu](http://www.dilo.eu)

