



## SUSTAINABLE USE OF ALTERNATIVE INSULATING GASES

If no further use is possible or a different mixing ratio is required after purification and drying on site when using alternative insulating gas mixtures with C4-FN, reconditioning and recovery of the C4-FN with a purity of 99 mol-% at DILO is the alternative solution to disposal by combustion.

The C4-FN is separated from the carrier gases and any by-products and purified in several steps. It is then used directly for new mixtures whose mixing ratios and carrier gases can be freely selected.

The processed gas mixture has a high reconditioning efficiency (> 95%) across all mixing ratios, in order to reuse a large quantity of C4-FN. Each batch of reconditioned gas is examined in the laboratory and only then released for further use.

### ECONOMIC BENEFITS:

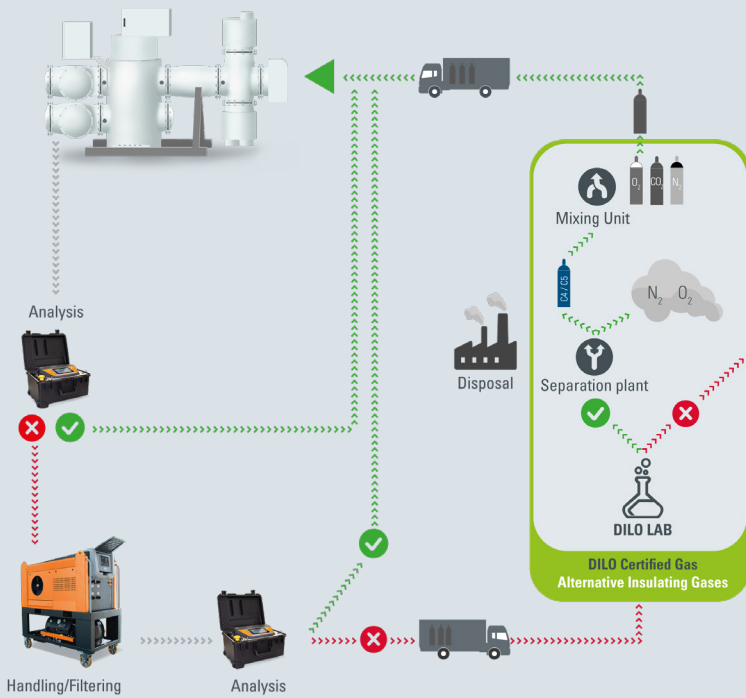


- Lower costs compared to combustion
- Quick availability of new, certified mixtures
- No additional costs for new gas
- Optimised logistics, as everything comes from a single source
- Complete documentation by certified waste management company for Alternative Insulating Gases
- Compliance with the Closed Substance Cycle Waste Management Act requirements
- Collection / dispatch in vessels rented or purchased from DILO or customer's own pressure vessels

### ENVIRONMENTAL BENEFITS:



- Lower CO<sub>2</sub> emissions compared to energy-intensive combustion
- No double transport due to direct reuse
- Resource management, as no additional new gas has to be produced



**DID YOU KNOW?**

- Alternative Insulating Gases can be separated and reused.
- DILO Certified Gas significantly improves the CO<sub>2</sub> footprint.
- More than 95% of the C4-FN is reclaimed during separation.

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