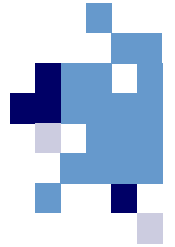


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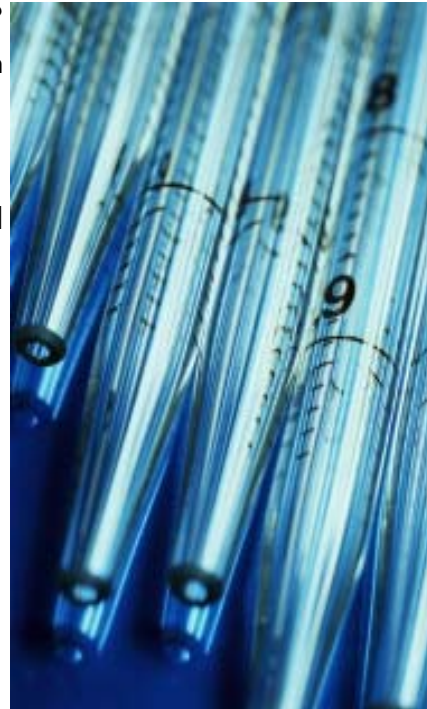
Why is SF₆ used in the electrical industry?

SF₆ (sulphur hexafluoride) is a gaseous dielectric with excellent insulation and arc quenching performance.

How is SF₆ handled in the electrical industry?

After the high greenhouse efficiency of SF₆ had become known the electrical industry started a systematic effort to reduce its SF₆ emissions by reducing leakage from equipment and by implementing improved gas handling procedures and systematic re-use.

This effort now starts to become successful on a world-wide level: Although the total quantity of SF₆ stored in electric power equipment continues to increase, the emissions from the electric industry have significantly decreased since 1995 with a further falling trend for the future.



Part of the SF₆ produced worldwide is used for non-electric applications in which, contrary to the electric industry, it can not be reused and recycled. These applications contribute substantially to the global SF₆ emissions.

Applications

- Electric power industry for medium and high voltage switchgear, compact gas insulated substations (GIS), gas insulated transmission lines (GIL) and gas insulated transformers