



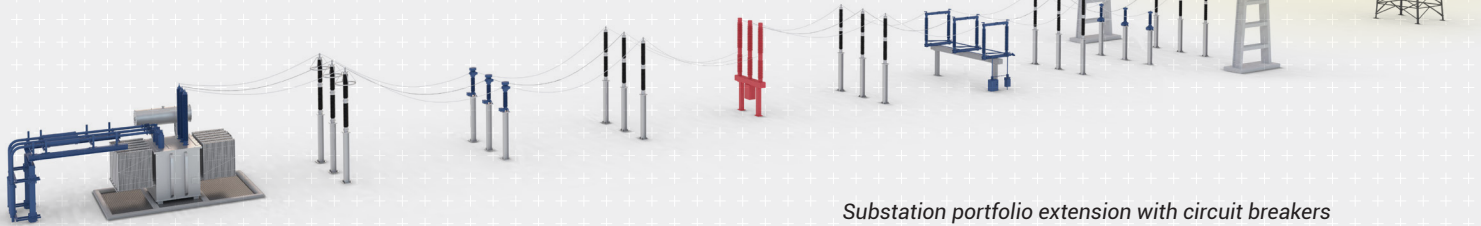
Collaborating to Address the Challenges of a Sustainable and Environmentally-Friendly

The need for clean electricity is rising rapidly, and so is the importance of ensuring the safety and reliability of the power grid.

Power Systems Future

It is clear that the shift toward sustainable power generation is unavoidable.

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Substation portfolio extension with circuit breakers



SF6-gas-free instrument transformers for AIS applications

Transforming the grid - Innovative technologies requested

The commitment of many stakeholders to reduce CO₂ emissions is triggering many changes in the power T&D sector. E-mobility and heat pumps as replacements for oil & gas driven mobility and heating systems are requesting a higher demand for electrical power. Large bulk power from offshore renewables must be transferred via DC systems. Regulations in different countries call for replacing the extremely good insulation gas SF₆. Fluctuating power generation from solar and wind power plants challenges the grid. It demands long-term and short-term energy storage solutions and grid control inventions on the system control level.

In addition, the electrical infrastructure is reaching end-of-life and requesting replacement after 35-40 years in service. The call for fewer power losses in our electrical grid is triggering the application of new technologies, which shall be competitive to keep the energy cost at an acceptable level. Both investment streams in new and existing infrastructure are stressing the whole ecosystem of our T&D industry and grid owners/operators. These are fascinating times for all people along the value-added chain of our T&D segment.

Our PFIFFNER Group is well-positioned in this sector and has heavily invested in developing products and solutions to cope with the demand of our customers. Our brand PFIFFNER has launched the first series of SF₆-gas-free instrument transformers for AIS applications. In addition, an F-gas-free life-tank circuit breaker is in the development stage and will be 2025 available on the market. This shall help our customers massively reduce their CO₂ footprint and eliminate the efforts to report an SF₆ balance.

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Offshore platforms are costly, and therefore weight and space are constraints. Resin-impregnated busbar solutions from our brand, MOSER GLASER, instead of cables, shall help our customers to overcome these constraints. The market demand for this solution is proving that this concept has a value-add for our customers.

Low losses characterize an efficient grid. All grid elements shall function with low electrical losses. Highly accurate transformer loss measuring systems from our brand HAEFELY shall prove the efficiency of transformers. With extremely short measuring time and high reliability, we guarantee a short throughput time in transformer factories.

Retrofit solutions like our new center breaker disconnecter earthing switch fully type tested in the voltage range of 72 – 420 kV from our brand ALPHA-ET or the new DC current transformer from PFIFFNER for HVDC, traction or AC grids to measure the DC content complement our offering to our customers to support the transition of the electrical grid.

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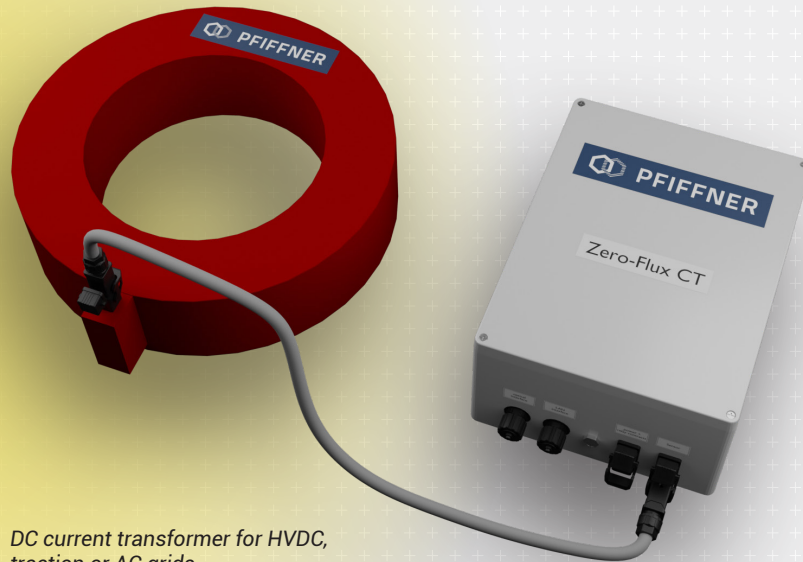
We have to act fast: starting initiatives like supporting the high-voltage faculties of universities, going to schools and attracting apprentices who can later perform the service jobs in substations or organize trade events to network and share knowledge.

Transforming the grid – calling for people to join our sector

Our T&D sector has lost its attractiveness in recent years while others gained. It is visible in the low number of students in our power systems sector and the substantial number of open positions. The root causes are our conservative and less innovative business environment and our habit of doing good things, but not talking about them. We have to change our image to overcome the situation. Therefore, we act fast: starting initiatives like supporting the high-voltage faculties of universities, going to schools and attracting apprentices who can later perform service jobs in substations, or organizing trade events to network and share knowledge.



DURESCA® offshore busbars



DC current transformer for HVDC, traction or AC grids

Join us for the Swiss T&D Days organized by the Pfiffner Group, where we will address the challenges facing the electrical transmission and distribution grids today and in the future.

Swiss T&D Days 2023: Come Together – Go Further

Join us for the Swiss T&D Days organized by the Pfiffner Group, where we will address the challenges facing the electrical transmission and distribution grids today and in the future. This event is the perfect platform for exchanging ideas and discussing current affairs with renowned utilities, universities, and leading companies in the T&D sector. Take advantage of this significant gathering of industry experts and secure your place by registering to attend on October 17 and 18, 2023. For more information and registration, visit [swiss-td-days.ch](https://www.swiss-td-days.ch).

PFIFFNER International is a medium-sized, family-owned group of companies headquartered in Hirschthal, Switzerland. We develop, produce and distribute products and solutions for customers in the transmission & distribution (T&D) and rolling stock sector. We have been present on the market for many decades with the brands PFIFFNER, MOSER GLASER, HAEFELY, ALPHA-ET, HAVECO, and PFIFFNER Systems.

PFIFFNER International has around 900 employees, generating a turnover of approx. CHF 170 million has eight production sites in Switzerland, Germany, Turkey, Brazil, and India and pursues about two service providers.

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