CLEAN AIR CURRENT TRANSFORMER

420 KV / 6000 A

Current Transformers, utilizing **Clean Air as insulation medium**, provide accurate and reliable current transformation, (measurement), merging proven safety with eco-friendliness.

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Sense the Power

CLEAN AIR CURRENT TRANSFORMER

CHARACTERISTICS

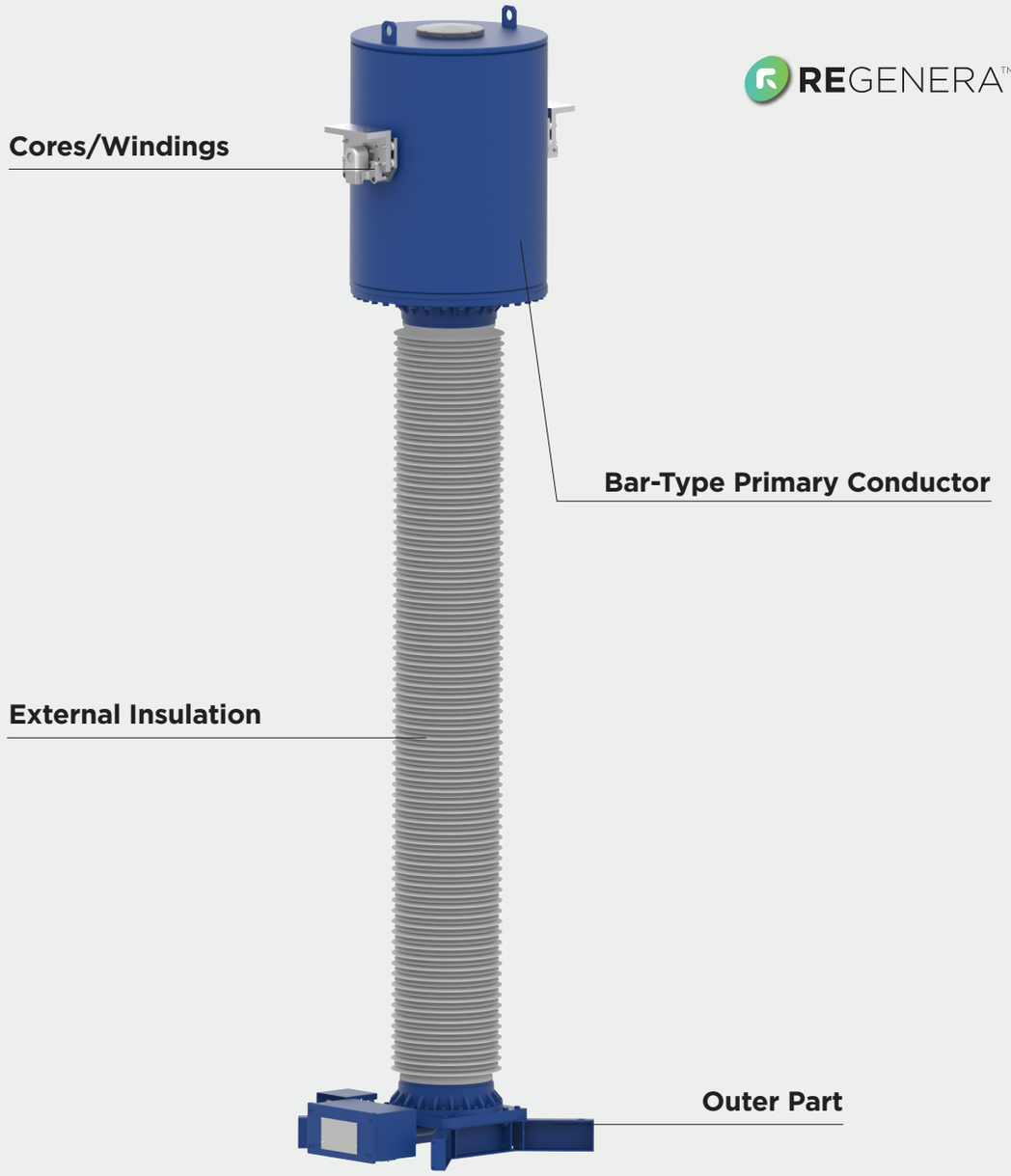
- For voltage levels up to 420 kV
- Rated primary current up to 6000 A
- Clean air as insulation medium

BENEFITS

- It uses environmentally friendly air instead of mineral oil or SF6
- Explosion-proof design in accordance with IEC 61869-1 Class II verified in tests
- Clean air does not cause or spread fire under any circumstances
- No aging of the insulation gas

SUSTAINABILITY

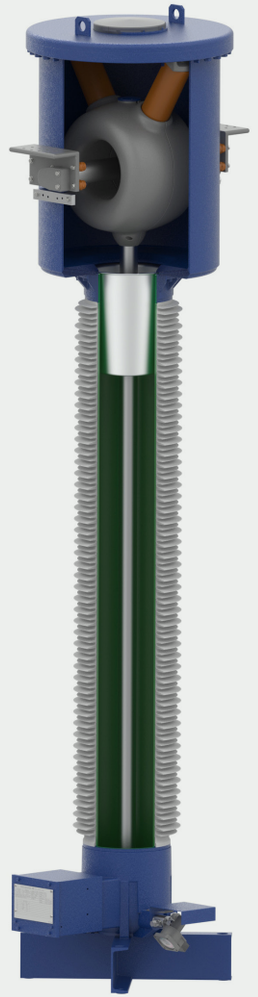
REGENERA™ is our holistic approach to protecting ecosystems, fostering environmental harmony and promoting a circular economy.



REGENERA™

MAIN FEATURES

Clean Air Current Transformers ensure accurate and reliable current transformation eco-friendly, proven and safe.



Clean Air

Like the air we breathe, the insulation gas consists of 20 % oxygen and 80 % nitrogen—the most sustainable insulating material for high-voltage devices.

Environmental

The Current Transformer insulation has a global warming potential (GWP) and an ozone depletion potential (ODP) of 0 and ensures CO^2 savings of 88 % over its entire service life.

Proven Design

The design is based on the reliable SF6 devices that have been in use for 50 years and of which over 100,000 have been in service.

Maintenance

Maintenance-free and therefore cost- and time-saving over a service life of more than 30 years.

High Current

The bar-type primary conductor is designed for high service short-circuit current and prevents high voltage drops in the primary winding.

Enhanced Operational Safety

Superior Internal arc behaviour, absolutely explosion-proof, in accordance with IEC 61869-1 Class II and proven in tests. The safest insulation technology on the market, as pure air neither triggers nor spreads fire.

Technical/Finance Advantages

Clean Air is not subject to the F-Gas Regulation leaks do not have to be documented or reported. No specialized personnel are required and there are no additional costs for disposal.

PRODUCT APPLICATIONS

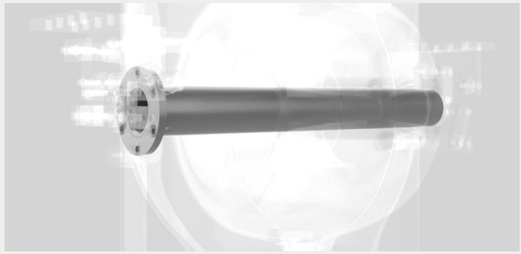
INSIDE THE PRODUCT

Main components of the Clean Air Current Transformer

Clean Air Current Transformers are the only sustainable and cost-saving alternative to SF6 insulation with no GWP or ODP. They are maintenance-free, designed to last for more than 30 years with no emission, operating or recycling costs.

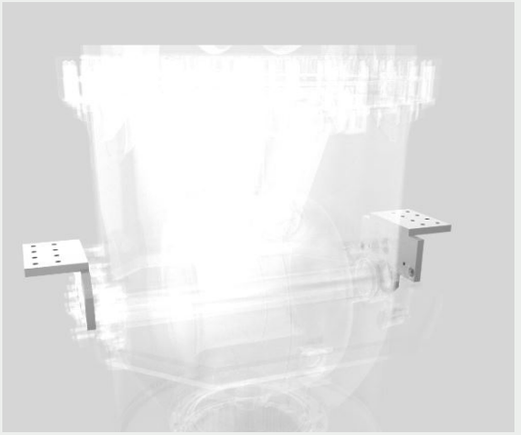
CORE SHELL

The top CT core design, which is fixed within the core housing, meets a wide range of customer requirements. This is achieved by a top-core tank design, where the housing, including cores and windings, is located at the head of the device, directly above the insulator.



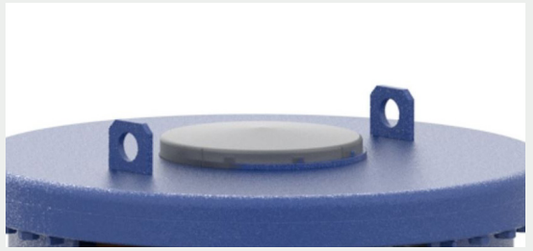
PRIMARY CONDUCTOR

The bar-type primary conductor of the Clean Air Current Transformers is designed to withstand a much higher short-circuit current and prevents large voltage drops in the primary winding.



PRIMARY TERMINALS

Depending on the application and requirements, Clean Air Current Transformers can be fitted with customized high voltage connections (HV), designed to IEC and NEMA specifications and others.

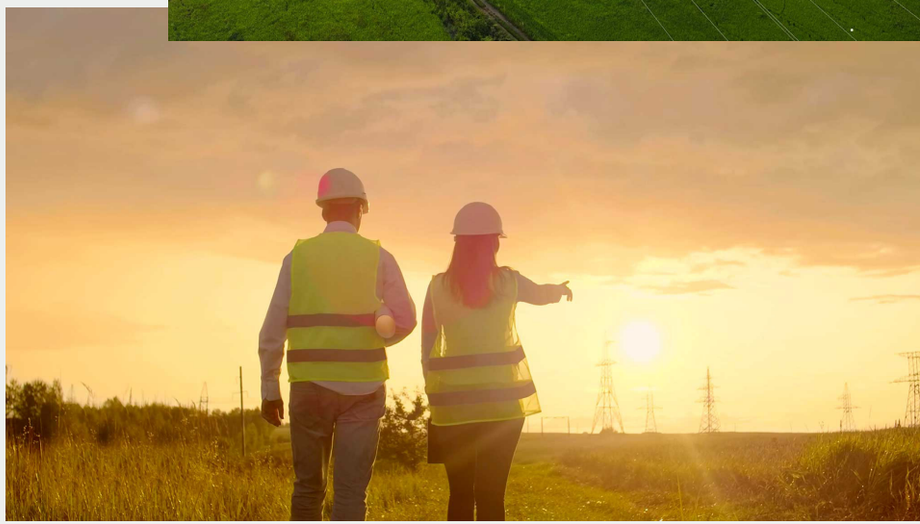


RUPTURE DISK

The rupture disc of a Clean Air Current Transformer, in this case with Life Tank, acts as a safety system that is triggered in the event of overpressure and effectively prevents an imminent explosion.

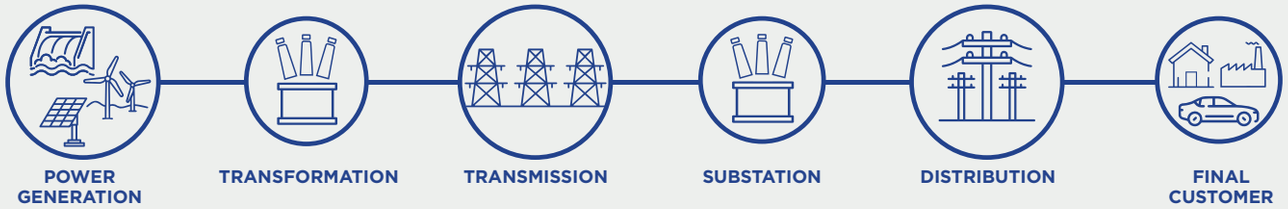
THE **FUTURE** OF ENERGY IS **NOW** AND IT'S **EXTRAORDINARY**

THE CRUCIAL ROLE OF POWER TRANSMISSION



Our vision of a sustainable future starts with an eco-friendly portfolio of high voltage products and systems, brought to you by our dedicated team of global innomakers.

Our mission is to support our customers, from power generation through transmission and distribution to the electricity consumers, in their transition to clean energy and a greener world.



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Sense the Power

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