

CLEAN AIR STATION SERVICE VOLTAGE TRANSFORMERS

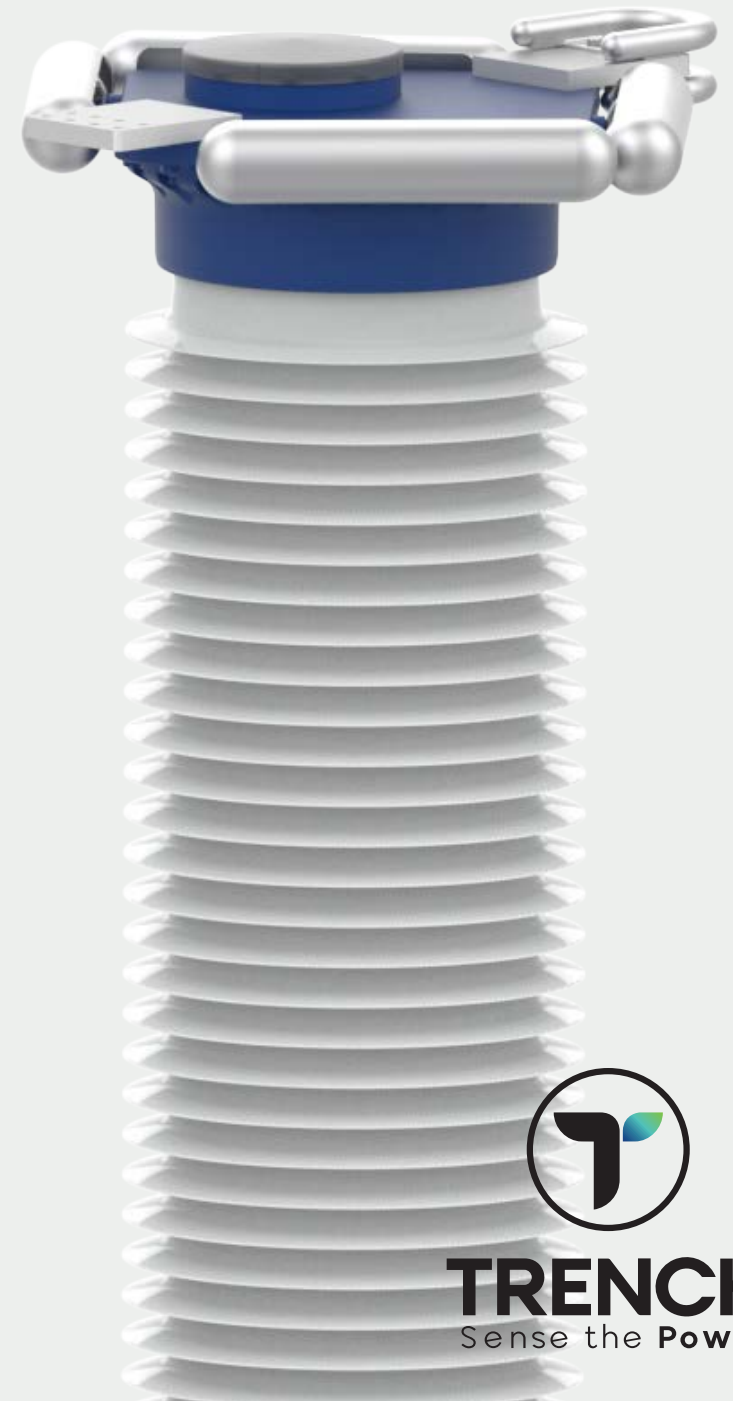
420 kV

Station Service Voltage Transformers utilizing
Clean Air provide low-voltage power directly
from HV potential in substations.



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TRENCH GROUP INSTRUMENT TRANSFORMER | **CLEAN AIR STATION SERVICE VOLTAGE TRANSFORMER**



TRENCH
Sense the Power

CLEAN AIR STATION SERVICE VOLTAGE TRANSFORMER

CHARACTERISTICS

- For voltage levels up to 420 kV
- Single phase units with power outputs <10kVA up to 333kVA
- Complies with the specific requirements of the SSVT standard, dual IEC and IEEE logos
- Continuous gas density monitoring and alarm thresholds. Optional analogue output signals are available

GENERAL

- Designed and manufactured without partial discharge
- Scalable design with 3 units in 3-phase systems or additional units connected in parallel
- No maintenance for a long life of over 30 years

SUSTAINABILITY

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



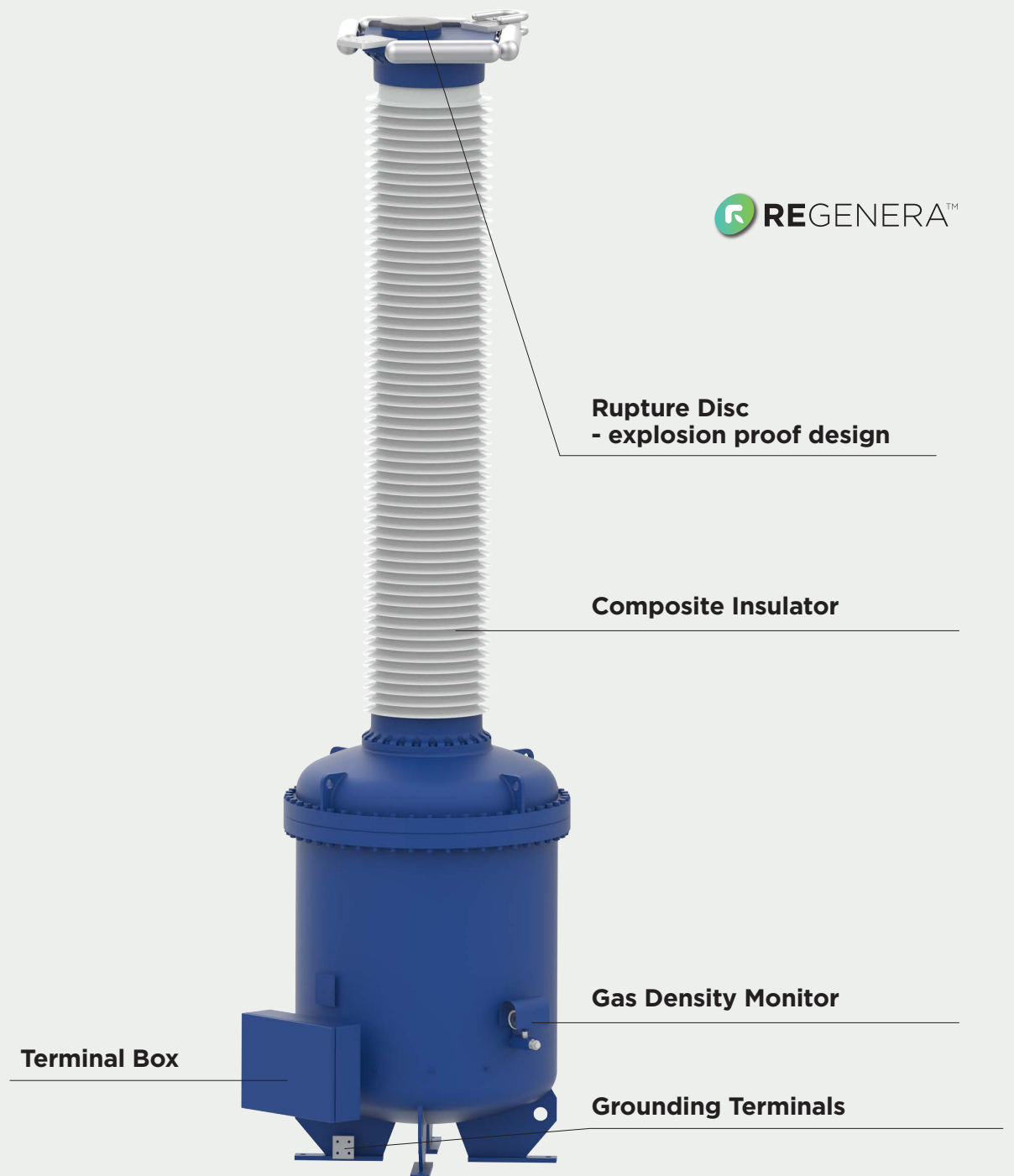
Rupture Disc
- explosion proof design

Composite Insulator

Gas Density Monitor

Grounding Terminals

Terminal Box



MAIN FEATURES

A breath of innovation for a greener future



Design

A safe and reliable design based on Trench's inductive voltage transformers with clean air insulation. The original design of the VTs has proven itself in practice for over four decades.



High Voltage Insulation

The optimum field grading is achieved by a fine condenser grading system that has been designed specifically for this particular application.



Low Voltage Power Supply

Optimized high-voltage coil for power output and specially designed low-voltage winding for power output. This allows a correspondingly large cross-section to be connected to the secondary outputs.



Seismic

Excellent seismic performance due to the properties of the, composite insulator.



Modular Design

Allows the use of a reduced number of components.



PRODUCT APPLICATIONS

INSIDE THE PRODUCT

Main components of the Clean Air Station Service Voltage

Based on a proven design, the innovative and eco-friendly Clean Air Station Service Voltage Transformer combines the advantages of an inductive voltage transformer with those of a small power transformer.



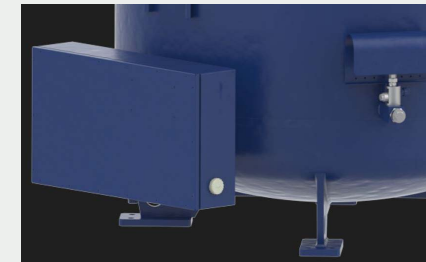
PROVEN DESIGN

Trench Clean air Insulated Power Voltage Transformers, SSVTs, represent a proven design approved globally. Over a thousand SSVTs have been installed worldwide in all environmental conditions to the complete satisfaction of our customers.



POWER SUPPLY FOR REMOTE AREAS

Low voltage power supply derived directly from high voltage to supply energy to remote locations and equipment.



AUXILIARY POWER SUPPLY

Low voltage power supply derived directly from high voltage to power equipment in the substation.



SAFETY

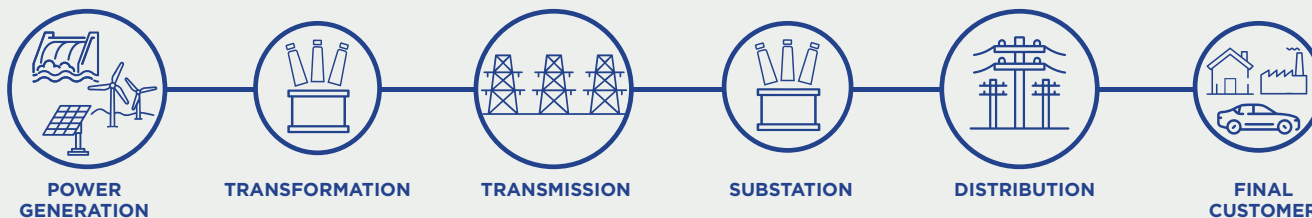
Explosion proof design due to integrated rupture disc.

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.





Get in touch:

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