

ECO FLUID CAPACITIVE VOLTAGE TRANSFORMER

550 kV

Capacitive Voltage Transformers utilizing **eco-friendly insulation fluid** provide accurate and reliable voltage transformation, measurement, merging proven safety with eco-friendliness.



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ECO FLUID CAPACITIVE VOLTAGE TRANSFORMER

CHARACTERISTICS

- For voltage levels up to 550 kV
- Eco Fluid liquid insulation
- Fully type-tested according to international standards

GENERAL

- Identical external dimensions to equivalent products using mineral conventional Fluid as insulation
- Improved safety and environmental performance
- Water protection areas and underground substations

SUSTAINABILITY

REGENERA® is Trench Group's **Green Quality Label**, awarded to offerings that combine technical excellence with environmental responsibility.



Primary terminal

Insulator

Housing

Secondary box



MAIN FEATURES

Eco Fluid CVTs: the perfect combination of sustainability, safety, and reliability



Environmental

The use of Eco Fluid Fluid as an insulator reduces the risk of environmental damage. The liquid is biodegradable in accordance with OECD 301, which improves the ecological balance throughout the entire product life cycle.



Proven Design

Trench's Eco Fluid CVTs are based on a globally established design with many years of proven performance.



Seismic

Excellent seismic performance as a result of the optimized design, which complies with IEC, IEEE and specific standards.



High Voltage Insulation

High-quality paper and Eco Fluid insulating liquid are used for high-voltage insulation.



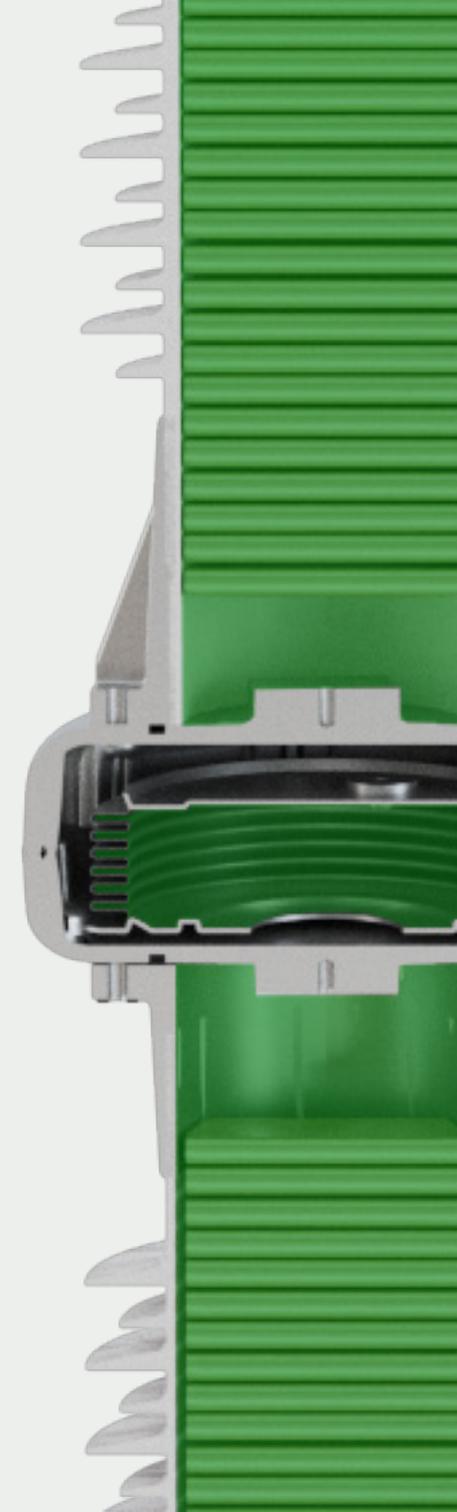
Hermetically Sealed

In all operating conditions, a stainless steel base bellow allows the liquid volume to change and the internal pressure to remain the same as the ambient pressure.



Modular Design

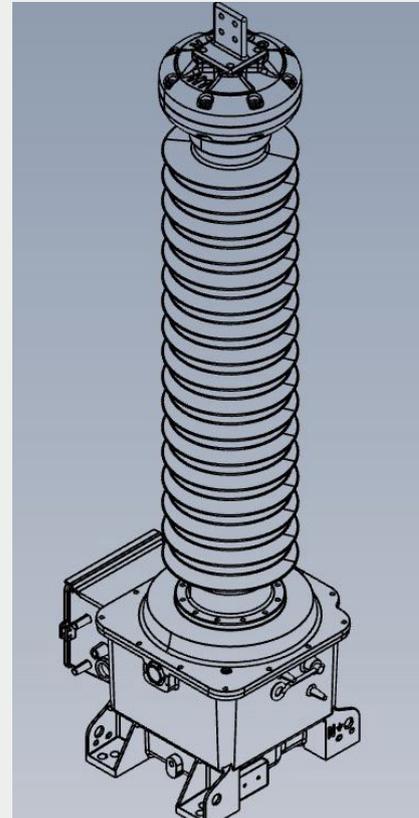
Modular design eliminates the need for a wide range of components.



PRODUCT APPLICATIONS

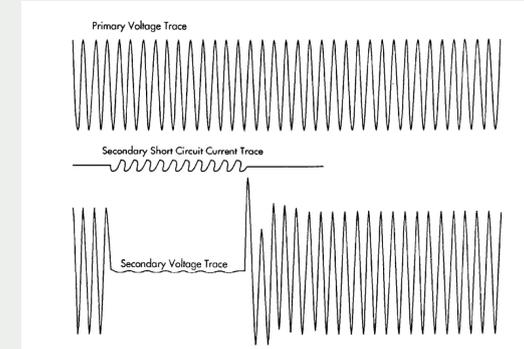
INSIDE THE PRODUCT

The eco-friendliness and reliability of Eco Fluid CVTs is based on a well proven and advanced design. They function under a wide range of environmental conditions and are built according to the customer's requirements.



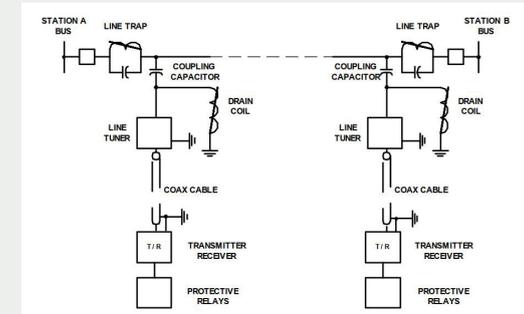
CAPACITANCE

The higher inherent capacitance values result in improved PLC coupling, significantly better transient behavior and improved stability.



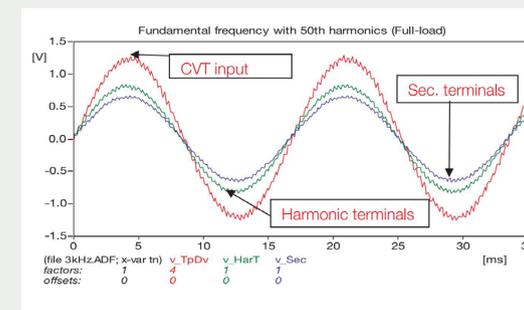
FERRORESONANCE

High fidelity of the transient response and fast damping of the ferroresonance oscillations.



PCL

Eco Fluid CVTs can be used to couple high frequency PLC signals to the power line.



POWER QUALITY

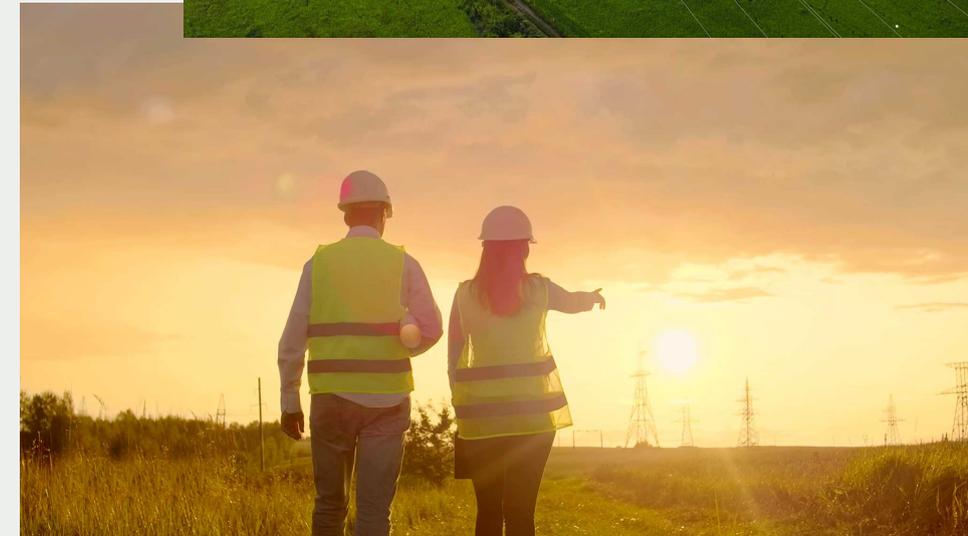
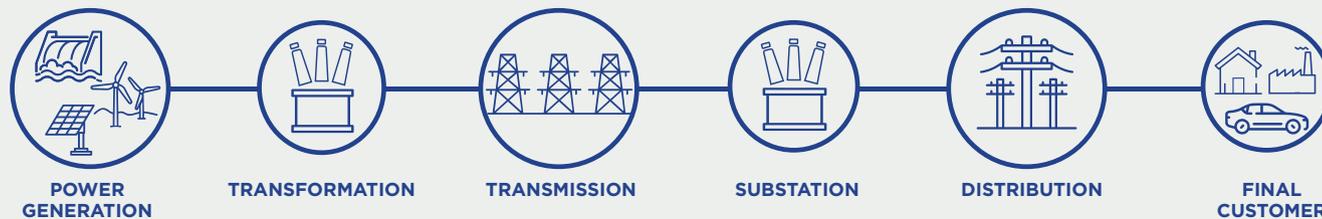
Eco Fluid CVT's are also used for power quality monitoring. A dedicated harmonic monitor provides a direct measurement of the harmful harmonic voltages.

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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