

# ECO FLUID CURRENT TRANSFORMER

550 kV / 5000 A

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



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# ECO FLUID CURRENT TRANSFORMER

## CHARACTERISTICS

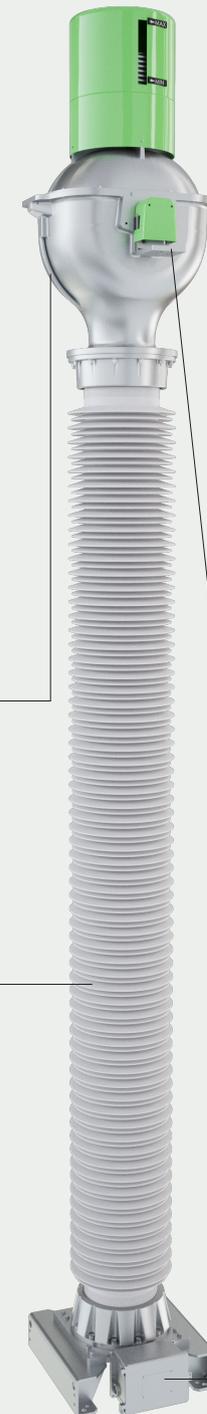
- For voltage levels up to 550 kV
- Rated primary current up to 5000 A
- Paper – ester internal insulation

## APPLICATIONS AREAS

- Replacement for equivalent mineral oil-filled products – thanks to the same dimensions
- Water protection areas
- Underground substations

## SUSTAINABILITY

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



Housing

Primary Terminals

Insulator

Terminal Box

# MAIN FEATURES

Eco-sustainable and proven design



## Improved Operational Safety

The higher flashpoint of the ester increases the fire safety of the CT.



## Environmental

The use of ester as an insulator reduces the risk of environmental damage. The fluid is biodegradable according to OECD 301, improving the environmental balance throughout the product life cycle.



## Proven Design

Trench's Eco Fluid Current Transformers are based on a globally established insulation medium technology with many years of proven performance.



## High Voltage Insulation

High-quality paper and an ester liquid are used to create high-voltage insulation, with fine-graded bushings optimizing the electrical field inside and outside the product.



## Modular Design

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



## 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.

## PRODUCT APPLICATIONS

# INSIDE THE PRODUCT

Main components of the Eco Fluid Current Transformer

Secure, environmentally friendly and maintenance-free! Modular Ester CTs reduce time and cost by increasing reliability and simplifying the replacement of mineral oil-filled CTs.



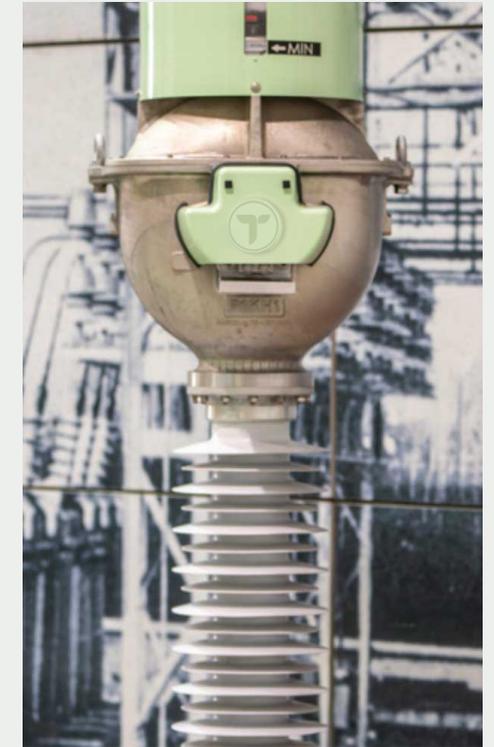
### PROVEN DESIGN

Eco fluid CTs are manufactured to our world renowned and tested design. Thousands of CTs are in use around the world often in harsh environments fully satisfying the requirements of our customers.



### INSULATOR

Depending on the application, the customer is free to choose between a porcelain or composite insulator.



### EXTERNAL DIMENSIONS

Ester CTs are the same size and weight as the mineral oil-insulated CTs listed in our product catalog. Replacement with ester insulated transformers is therefore very quick and easy.



### ROUTINE TESTS

The company's test laboratory carries out all standard tests in accordance with international standards



### SEALED CONSTRUCTION

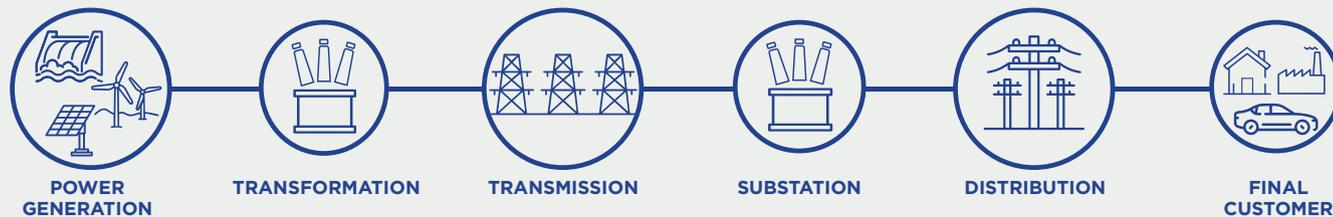
The use of metal bellows to regulate the liquid level prevents oxidation of the fluid.

# 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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