

# ARCC™ WILDFIRE MITIGATION SYSTEM

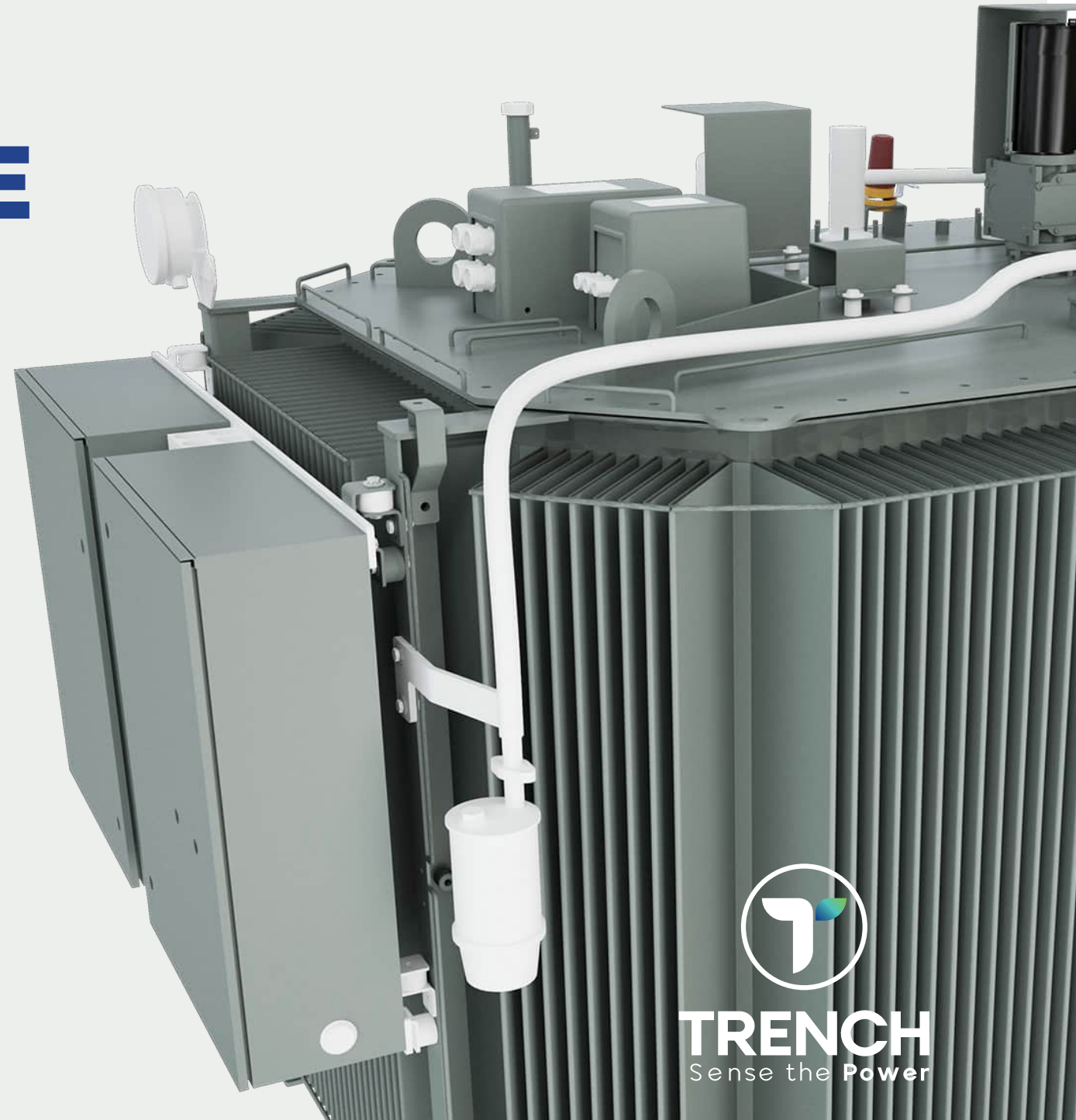
Up to 36kV / 15MVAr

Trench's Advanced Residual Current Compensation (ARCC™) system **compensates for ground-fault currents** providing utilities with the security they require to operate electricity networks even in an environment impacted by global warming.



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TRENCH GROUP INSTRUMENT TRANSFORMER | ARCC™ WILDFIRE MITIGATION SYSTEM



**TRENCH**  
Sense the Power

# ARCC™ WILDFIRE MITIGATION SYSTEM

## CHARACTERISTICS

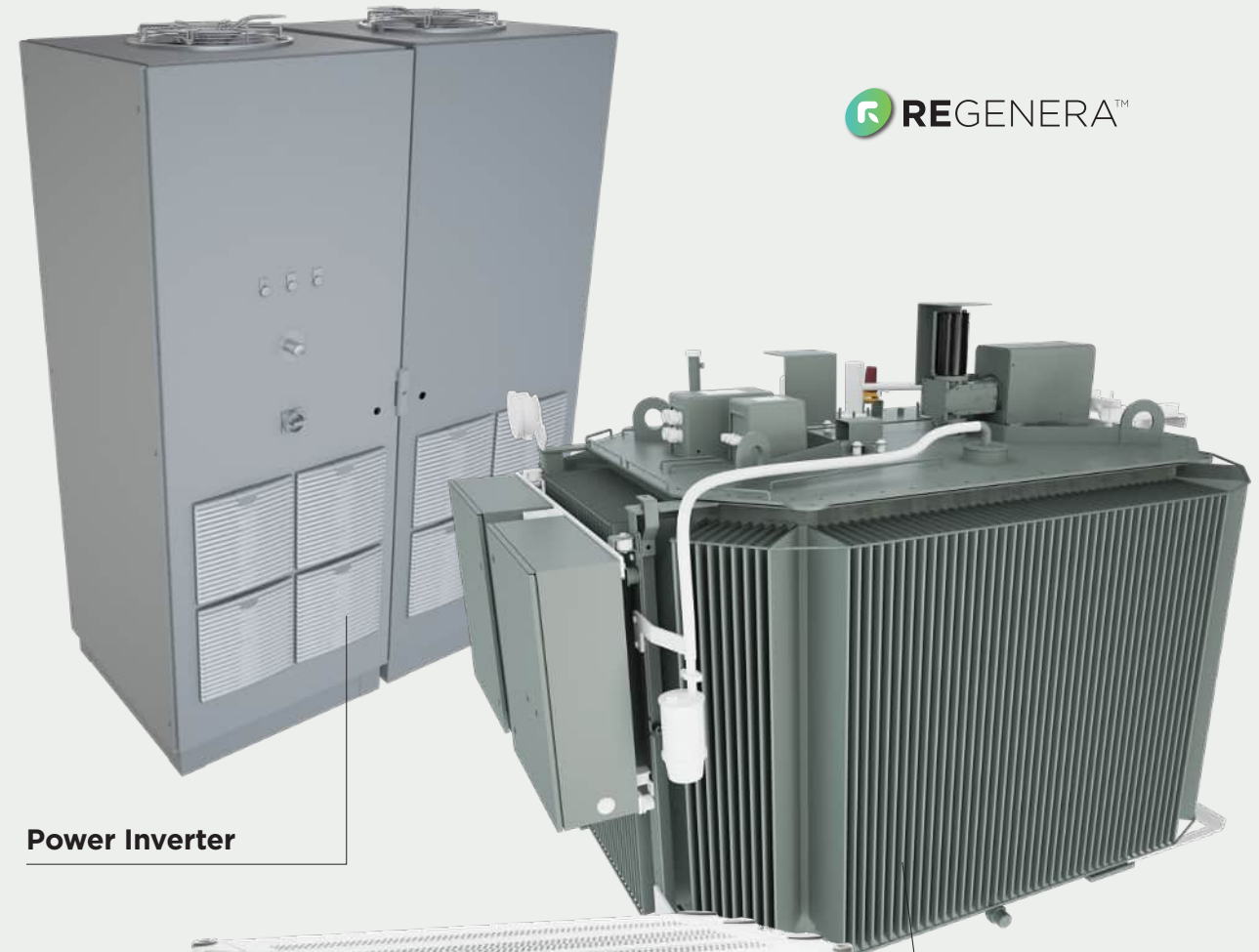
- System for the compensation of residual currents
- A complete solution including ASC power electronics & controller
- Fully compliant with IEC 60076-6

## APPLICATIONS AREAS

- Reduction of wildfires caused by overhead power lines
- Compensated (resonant earthed) electrical systems
- Overhead power distribution network

## SUSTAINABILITY

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



Power Inverter

Arc Suppression Coil



Controller (EFD500)

# MAIN FEATURES

Trailblazing systems for a safer and greener world



## Wildfire Mitigation

Trench's Advanced Residual Current Compensation, ARCC®, system compensates for ground-fault currents, reducing fire risk.



## Innovative Environmental Protection System

Devastation wildfires are caused by power lines touching dry vegetation. The system confirmed its outstanding capabilities in preventing line-to-ground fault-initiated wildfires.



## BoostPRO® Function

The Boost PRO® feature accelerates the compensation. Current and voltage on the place of failure will be reduced much faster with this algorithm.



## Reliable Power Supply

Use of Arc Suppression Coil ensures continuous power supply during earth fault by continuous current regulation, enabling accurate tuning & minimizing fault current.



## Multipurpose Devices

Available for 50Hz / 60Hz applications



## Fault Detection

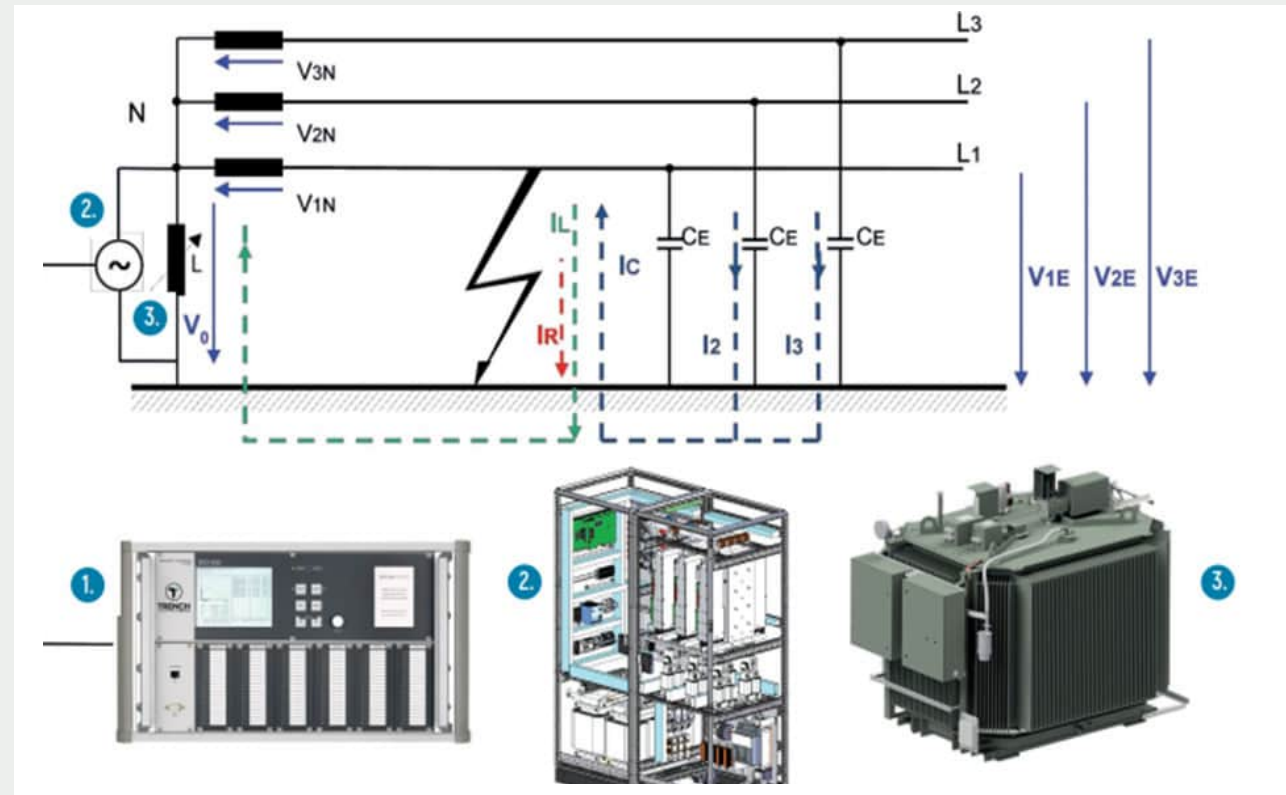
EFD500 device detects faulty feeder during earth fault current compensation.

PRODUCT APPLICATION

# WILDFIRE MITIGATION

Reducing fire hazard risks

Average temperatures are rising and with them the chance of wildfires. Trench's ARCC™, Advanced Residual Current Compensation, provides the safety to operate power grids with a reduced risk of fire in a climate of global warming.



## ARCC™ SCHEME

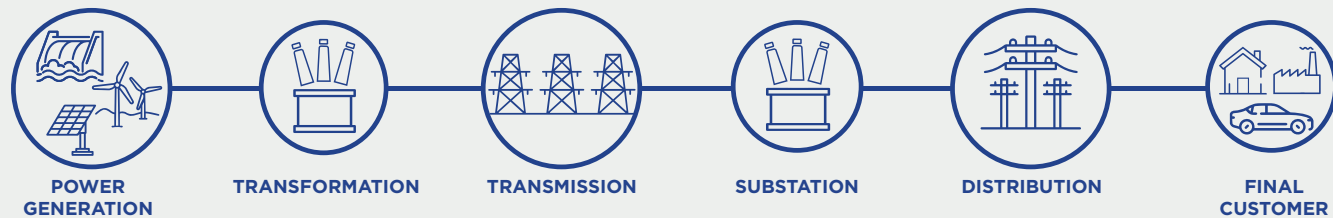
Scheme for Trench wildfire mitigation system.

# 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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