

ARCC™ WILDFIRE MITIGATION SYSTEM

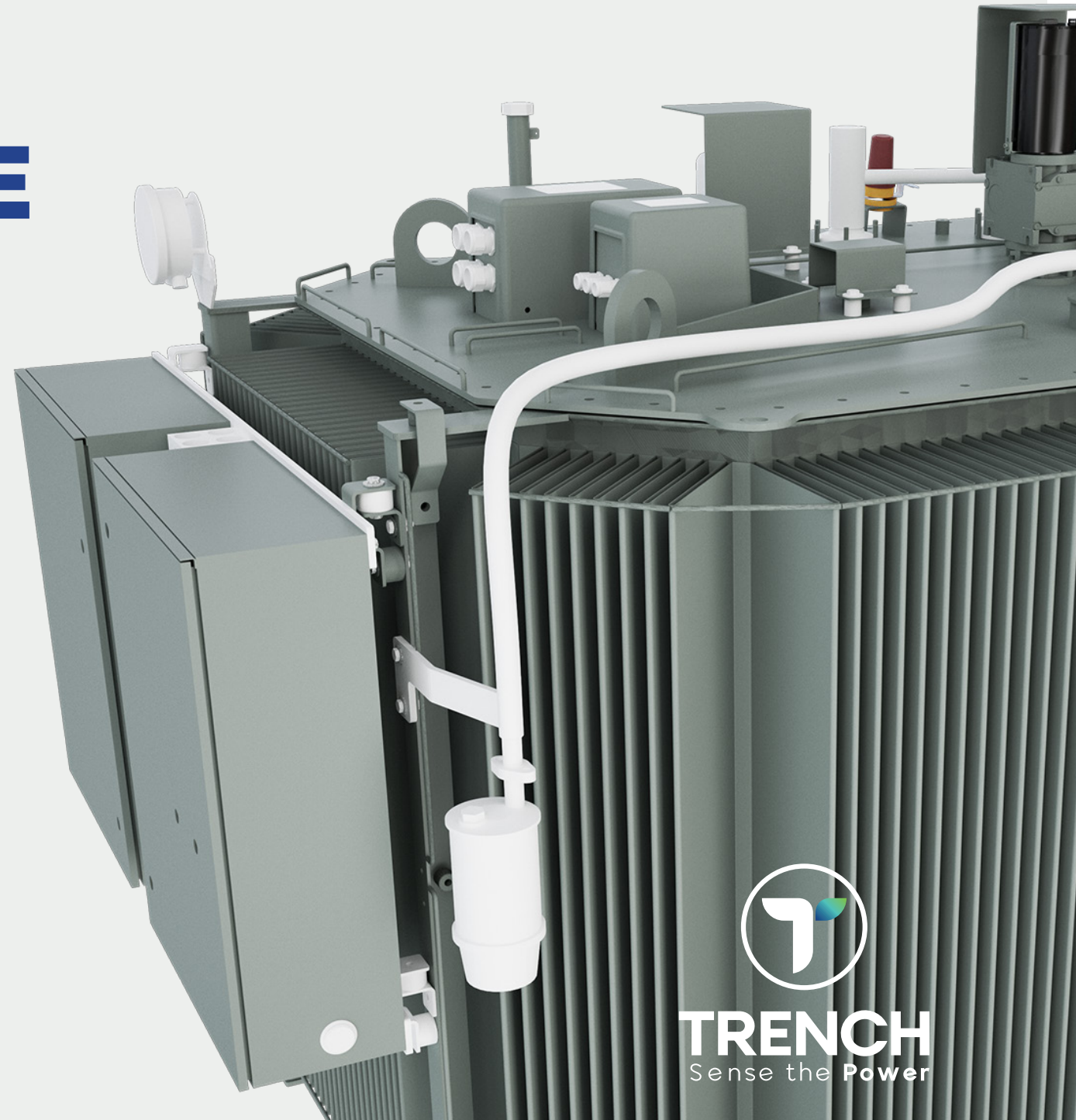
Up to 36kV / 15MVAr

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

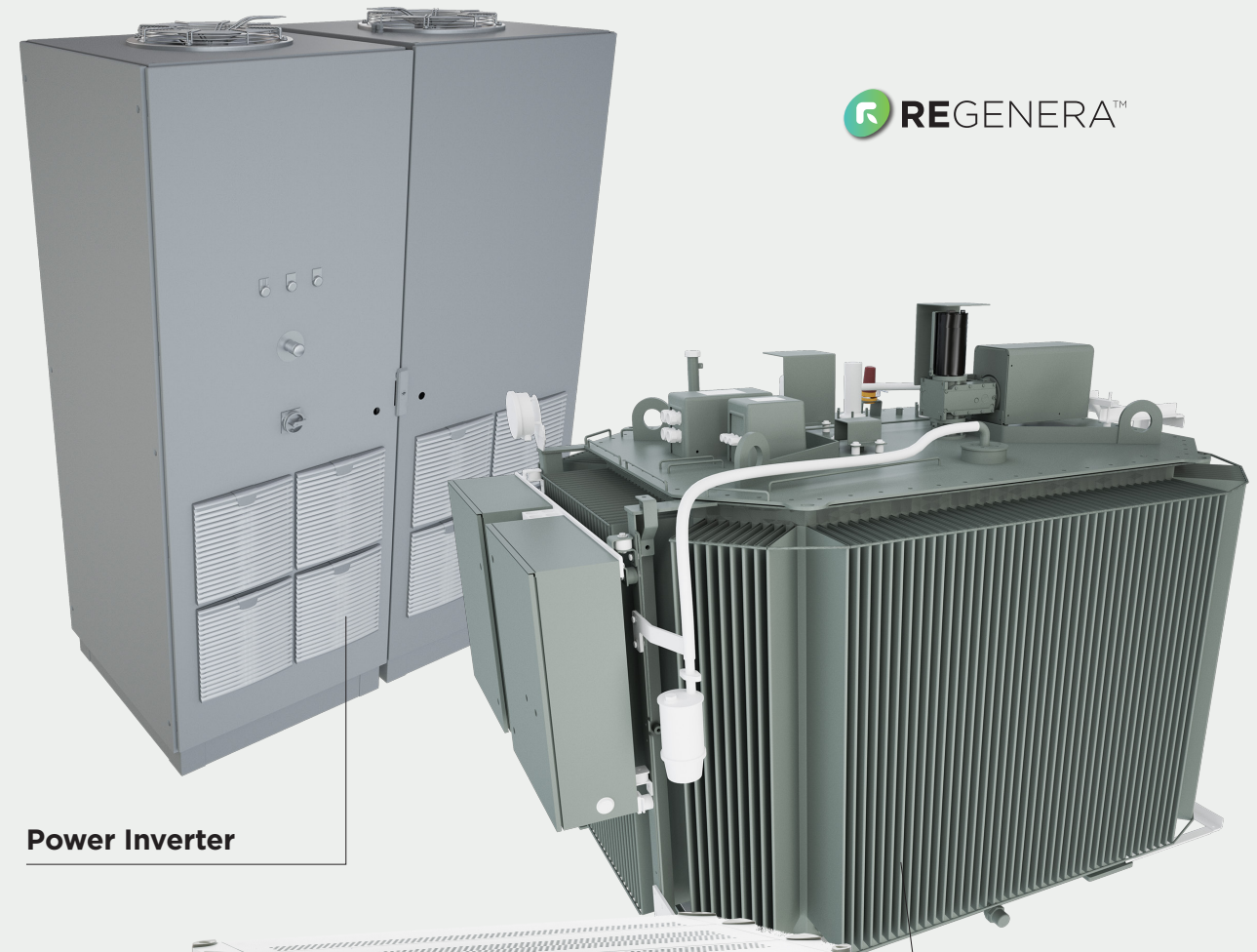
- System for the compensation of residual currents
- A complete solution including ASC power electronics & controller
- Fully compliant with IEC 60076-6

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

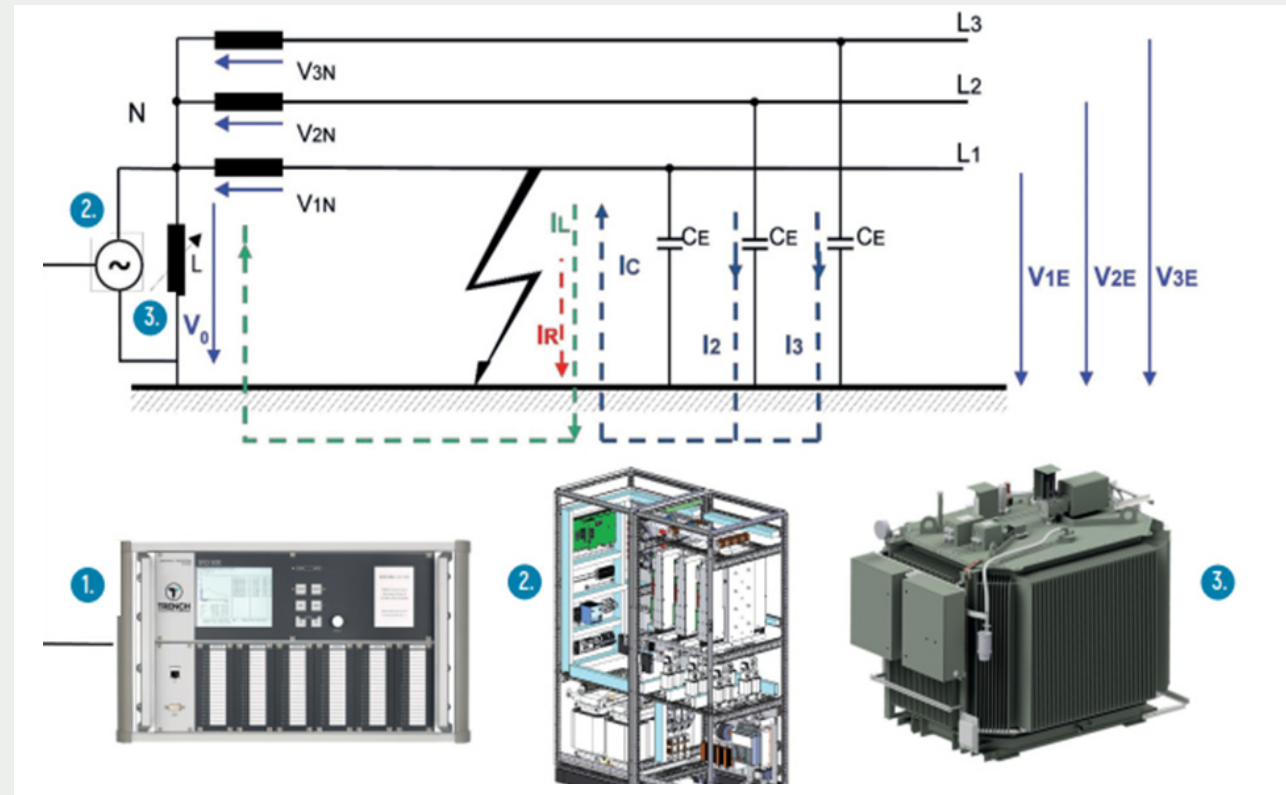
EFD500 device detects faulty feeder during earth fault current compensation.

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

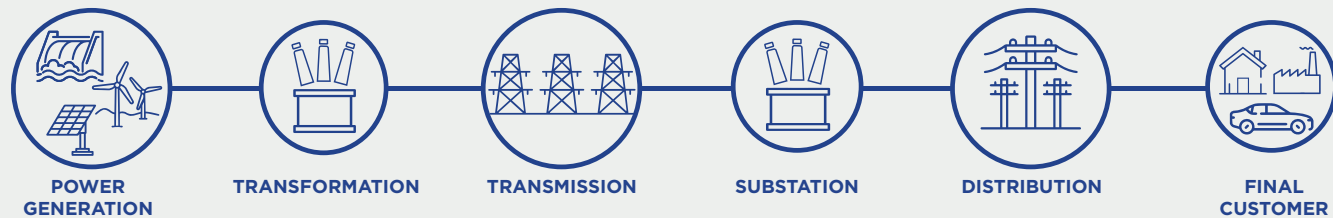
Scheme for Trench wildfire mitigation system.

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:
Contact our experts via email
sales@trench-group.com



Trench Group
www.trench-group.com

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