

# Europe Distribution Transformer Market

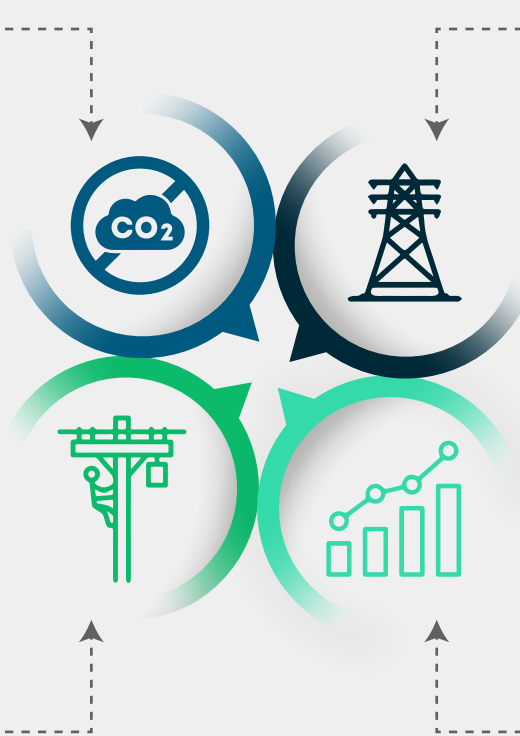
## Navigating Changing Energy Dynamics

- Europe's transition to clean energy is driving growth in the distribution transformer market. The growth is fueled by integrating renewable energy sources like solar and wind and the expanding infrastructure for electric vehicle charging.
- Distribution transformers are pivotal in facilitating the smooth incorporation of renewables into the grid, ensuring stable power distribution, enhancing voltage regulation, and balancing loads, thereby supporting the transition towards sustainable energy.
- This infographic will explore the pivotal role of distribution transformers in Europe's renewable energy transition and the growing demand driven by decarbonization efforts and power grid infrastructure investments.

## Funding the Transition to a Sustainable Power Grid

### Investments Driving the Europe's Distribution Transformers Market

Europe's ambitious decarbonization goals are fueling a surge in grid investments.



Nearly 60% of these investments target distribution networks due to Europe's aging infrastructure, which often falls short of current EU standards.

Initiatives like the Recovery and Resilience Plans (with USD 13.85 billion allocated) and the EU's "Digitalization of the Energy System" action plan (forecasting a USD 633 billion investment by 2030) emphasize the commitment to grid modernization.

This trend is set to continue as Europe undergoes a significant energy transition, with billions allocated for grid improvements and digitalization by 2030.

## Role of Distribution Transformers

### 01

#### Voltage Regulation

VRDTs regulate LV/MV voltage, boosting distributed generation capacity like rooftop solar without network upgrades.

### 02

#### Power Quality Improvement

Solid-state transformers address power quality issues caused by renewables, mitigating voltage fluctuations and harmonic distortions without additional compensating devices.

### 03

#### Load Balancing

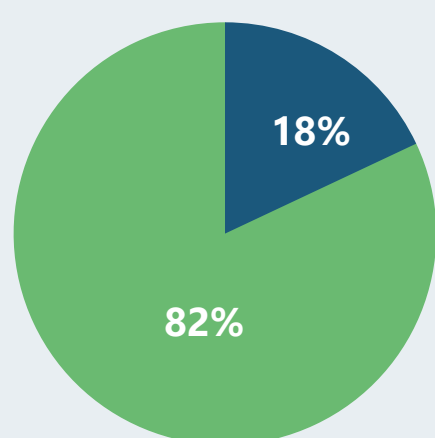
Distribution transformers balance electrical loads across the system, ensuring even power distribution and preventing overloads during renewable energy fluctuations.

## Overview of the European Distribution Transformers Market

- The European distribution transformer market is projected to grow at an average annual growth rate of 5.5% by 2030 in terms of revenue.
- Oil-type transformer markets dominate the European market, with 82% of the annual market revenue in 2023.
- Germany, France, the UK, and Spain are the key distribution transformer markets in the region.



### Oil vs. Dry ratio (2023)



■ Dry type ■ Oil Type

### Europe Distribution Transformers- Annual Market Revenue (BUSD)

