

# Electrical Distribution

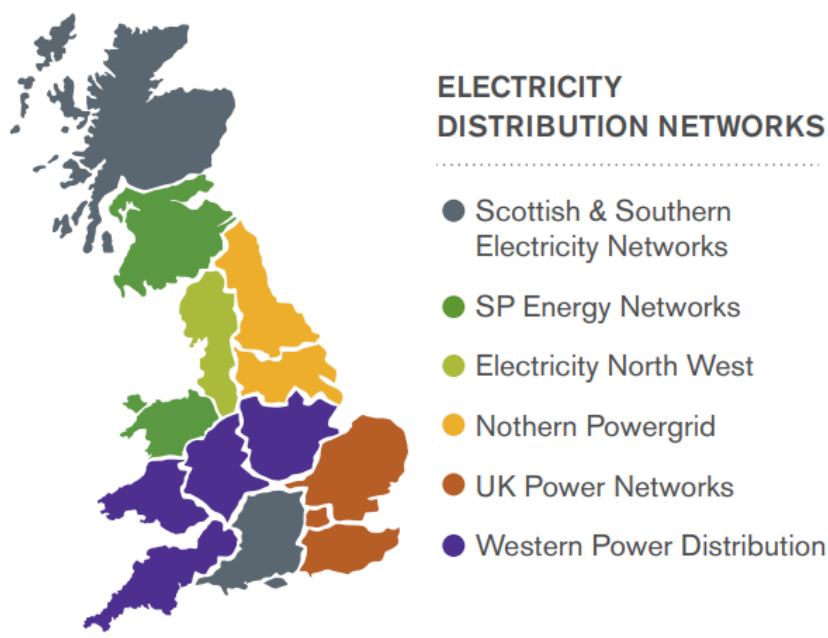
V1 – Oct 2020

## What is Electrical Distribution?

Electrical distribution is the transportation of electricity along local networks to commercial or residential properties. It is the final stage of the electrical network, connecting directly to customers and comes after generation of electricity at power stations and transmission through the national grid.

## DNO's

In the Great Britain there are 14 regional electricity **Distribution Network Operators (DNOs)** owned by six companies. They operate the largest distribution networks.



Source: <https://www.ofgem.gov.uk/key-term-explained/map-who-operates-electricity-distribution-network>

## IDNO's

There are also **Independent Distribution Network Operators (IDNOs)**, which own and operate smaller networks located within the areas covered by the DNOs. IDNO networks are mainly extensions to the DNO networks serving new developments.

Source: [https://www.ofgem.gov.uk/system/files/docs/2019/11/20191030\\_state\\_of\\_energy\\_market\\_revised.pdf](https://www.ofgem.gov.uk/system/files/docs/2019/11/20191030_state_of_energy_market_revised.pdf)

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## Quick Facts

- Until 1990 the DNOs were nationalised Regional Electricity Boards
- Around 100,000 new customers are connected to the distribution network each year
- In 2017-18 DNOs connected over 16,000 Electric Vehicle ChargePoint's, which is an 80% increase from 2016/17

## Currently Registered IDNO's

- Eclipse Power Ltd
- Energy Assets Networks Ltd
- Last Mile Electricity
- ESP Electricity Ltd
- Fulcrum Electricity Assets Ltd
- Harlaxton Energy Networks Ltd
- Independent Power Networks Ltd
- Leep Electricity Network Ltd
- Murphy Power Distribution Ltd
- The Electricity Network Company Ltd
- UK Power Distribution Ltd
- Utility Assets Ltd
- Vattenfall Network Ltd



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