

REN 

Electric Mobility
with unlimited
power.

The new way.
The fastest
way.

SPEED-E
FAST POWER

REN 

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speed-e.pt

Key Advantages

Unleash real speed for electric vehicle charging.

This milestone in electric mobility will give you more freedom to go where you want and save you time when you need to stop. Discover the fast power of Speed-E.

Connected to the Transmission Grid

This unique and innovative technology enables energy to be pulled directly from high voltage cables, to charge electric vehicles. Benefits from the level of Quality of Service offered by the Transmission Grid, including a superior continuity of service.

Enabler of a nationwide charging infrastructure

Enabler of a nationwide charging infrastructure using the existing transmission grid coverage, thus contributing to a generalized adoption of Electric Vehicles.

Unlimited power

Takes advantage of the greater power availability offered by the Transmission Grid.

Flexible scalability

The modular architecture of the solution enables an incremental development of each application case, in order to follow the growing demand requirements.

Fast deployment

Grid reinforcements are not necessary, even in high power rating application cases, resulting in a fast deployment.

Cost-Effective Solution

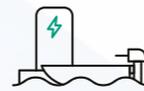
This innovative solution is cost-effective compared to the conventional grid connection solutions, whenever a high power capacity is required and an existing transmission line is within range.

Application Examples

This innovative patented REN solution positions the TSO as a facilitator of the sustainable mobility transition, complementing the existing solutions and supporting the decarbonisation of the mobility sector in a cost-effective way using the existing transmission grid.



Service areas in highways/roads



Electric river boat docks



Remote military facilities



Large parking lots (hubs) and company fleets



Public transport fleets



Support to forest machinery



Heavy-duty logistics centres

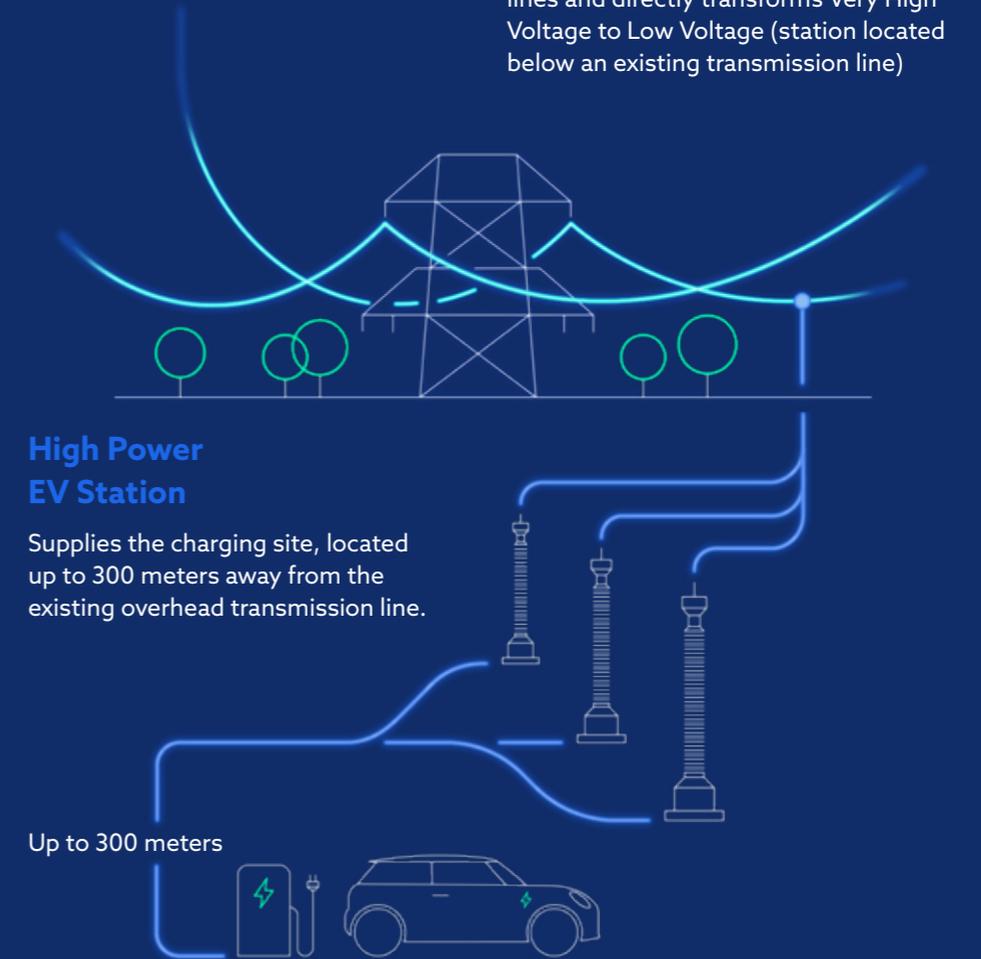


Large suburban residential areas

The Solution

Transmission Grid Very High Voltage

The High Power EV Station connects to existing High Voltage overhead lines and directly transforms Very High Voltage to Low Voltage (station located below an existing transmission line)



High Power EV Station

Supplies the charging site, located up to 300 meters away from the existing overhead transmission line.

Up to 300 meters

Charging Site

Target application cases based on long-term power requirements above 1MVA. However, the modular architecture of the solution enables an initial deployment of a lower power rating solution, only expanding to the targeted power rating when required.