

**Location**

Wijk aan Zee, Netherlands

Client

Croonwolter&dros

Tonnage

1,200

Hollandse Kust (Noord) Wijk aan Zee, Netherlands

The transformer substation in Wijk aan Zee connects the three wind farms Hollandse Kust (north), Hollandse Kust (west Alpha) and Hollandse Kust (west Beta) at sea to the high-voltage grid of the Netherlands. About 2,100 Megawatt (MW) of power comes together in this transformer substation. This will enable businesses and households in the area to switch to sustainable electricity from offshore wind farms in the future.

The transformer substation in Wijk aan Zee is currently TenneT's largest connected high-voltage substation. It consists of two parts, the land station Hollandse Kust Noord and the 380kV switching station Wijk aan Zee. From the land station, the power goes to the switching station, which transforms the electricity from the offshore wind farms from a voltage level of 220 kV to 380 kV so it equals the Dutch high-voltage grid.

Commissioned by Croonwolter&dros, we supplied and installed a diverse package of components for the construction of this transformer substation, such as supports, lightning peaks, main rail portals, terminal boxes and support insulators. In total we supplied more than 1,200 tonnes of steel.