

497 kilometres of high voltage cables

Burying of cables with custom-made trench box



AARSLEFF

Per Aarsleff A/S has delivered 150-320kV new cable installations for the clients N1 A/S, Energinet.dk and Bandedanmark. The cables were installed on 21 stretches in Jutland and on Zealand, amounting to a total of 497 kilometres of alignment.

Our work comprised the removal of topsoil and pavings, pulling of cables, excavation for and installation of cables, including backfilling and cover plates. We also reinstated the cable trench with a warning mesh and lastly we reinstated the working area. In addition, we installed a large number of road and railway crossings by using horizontal directional drilling.

A custom-made trench box

We buried all the cables using a custom-made trench box, which meant that mostly we could avoid lowering the groundwater when we excavated the alignments. So it allowed us to install the cables in both trefoil and flat formations.

Using the custom-made trench box meant that we could industrialise and optimise the cable installation work.

Careful planning

We planned our work thoroughly prior to each individual contract, in order to deal with any obstacles during the construction phase. This allowed us to implement the contracts with a uniform production and according to schedule.



Data

21 contracts, in total:

- 497 km of alignment
- 3 x 40 km of horizontal directional drilling.

Clients

N1 A/S
EnergiNet.dk
Banedanmark

Type of contract

Main contract

Contractor

Per Aarsleff A/S

Construction period

2011-2022

Contract value

Approx. DKK 348 million

Contact

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