Energinet.dk

Cable routing and installation

Jonas Fabricius Nielsen
Route planning process

- Start up
  - Open house info meeting
- VVM Screening
- Initial route
- Land owner info meeting
- Preliminary route
- Negotiations with land owners
- Final route

Dialogs with locals
- Map Analysis
- Field trips
Planning of project area

Roughly 200m wide project area
Route planning process

- Start up
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- Initial route
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- Negotiations with land owners
- Project area
- Dialogs with locals
- Map Analysis
- Field trips
- Final route

14. januar 2016
Route planning

Route proposal

A

Traffic crossing

Dike

Forest

Wet areas

Overhead lines

B

14. januar 2016

Jylland-Fyn
Route planning process

- Project area
- VVM Screening
- Initial route
- Preliminary route
- Final route
- Dialogs with locals
- Map Analysis
- Field trips
- Start up
- Open house info meeting
- Land owner info meeting
- Negotiations with land owners
- 14. januar 2016
Cable installation
Standard working area

- Top soil
- Subsoil
- Steel plate road
- Top soil removal area

Top soil removal = 7m

- Top soil = 4m
- Subsoil = 4m
- Cable trench
- Steel plate road = 3m

Total working area = 15m
Standard cable trench

- Back fill
- Warning net
- Plastic cover plates
- Cable cores
- Sand

1.5 meter
1.4 meter
1.1 meter
0.7 meter

Ca. 2 meter

Ca. 1 meter
Archaeology

• Local museums perform preliminary investigations
• Topsoil removal and restoration by museum or...
• ...by civil contractor 4-8 weeks before cable laying
HDD’s

- Where
- When
- How
Top soil removal
Cable installation
Digging box
Digging box
Installation Time Schedule

- Trenching and Cable pulling
Installation Time Schedule

• Jointing
Cable laying video