Meet the team

• Daryn Lucas – Lead Project Manager
• Craig Taylor – Project Manager
• Kelly Scott – Community Liaison Manager
• Ivan Williamson – Land Manager
• Alasdair Barnett – Lead Engineer
• Darren Richardson – Civil Project Engineer
• Peter Curtis – Electrical Project Engineer

• Julie Tuck – Environmental Project Manager
• Peter Watson – Marine Consents Manager
• Richard Hanson – HVDC Engineering Manager
Project background

Scottish Hydro Electric Transmission Plc (SHET) is a part of the SSE Group. SHET has a transmission licence requirement to provide connection to the UK’s network when requested by a generator.

The weather in and around the Shetland Isles is considered to be very productive for renewable energy generation. There is >500MW of generation proposed that would require a connection to the mainland if constructed.

Recent developments in relation to available government funding for generators on islands has increased the possibility that these generation projects will be progressed.

ofgem

HM Government

Scottish & Southern Electricity Networks
What is the purpose of the project?

• Main driver:
  • Export of renewable electricity generation from Shetland to the UK mainland

• Secondary drivers:
  • To provide an alternative source of electricity supply for Shetland if required by Ofgem/National Grid
  • To provide reinforcement of the existing Shetland electricity network
Where does Viking Energy fit in?

- Viking Energy Wind Farm (VEWF) is a proposed generation scheme on central Shetland
- VEWF is the main generator proposed for the Shetland Isles with 103 turbines (412MW)
- Without VEWF progressing, there is currently no export need for the Shetland HVDC link
- SHET and VEWF are working closely together on both technical interfaces, access arrangements and land negotiations
What does the project consist of?

Main High Voltage Direct Current Link:
- Approximately 260km of cabling
  - 250km subsea & 10km on land
- HVDC Converter Station at Upper Kergord
- 320/132kV substation at Upper Kergord
- HVDC Switching Station at Noss Head, Caithness (connection point)

Shetland Network Upgrade (TBC):
- 132/33kV substation proposed as an upgrade to existing network
- 33kV overhead line connection
## Timeline

<table>
<thead>
<tr>
<th>Activity</th>
<th>Expected Date(s)</th>
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<tr>
<td>Refinement of the project</td>
<td>Now and ongoing until execution</td>
</tr>
<tr>
<td>Ofgem Needs Case Submission</td>
<td>September 2018</td>
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<tr>
<td>Marine License Application Submission</td>
<td>October 2018</td>
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<tr>
<td>Ofgem Project Assessment Submission</td>
<td>January 2019</td>
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<tr>
<td>Construction start</td>
<td>Q2 2020</td>
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<tr>
<td>Construction Completion</td>
<td>Q2 2023 – accelerated option</td>
</tr>
<tr>
<td></td>
<td>Q2 2024 – non-accelerated option</td>
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