AQUIND Limited

AQUIND INTERCONNECTOR

Consultation Report – Appendix 1.3E Presentation given to Commercial Fisheries Stakeholders September 2018

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(q)

Document Ref: 5.1.3E

PINS Ref.: EN020022

AQUIND Limited

AQUIND INTERCONNECTOR

Consultation Report – Appendix 1.3E Presentation given to Commercial Fisheries Stakeholders September 2018

PINS REF.: EN020022

DOCUMENT: 5.1.3E

DATE: 14 NOVEMBER 2019

WSP

WSP House

70 Chancery Lane

London

WC2A 1AF

+44 20 7314 5000

www.wsp.com

AQUIND

INTERCONNECTOR PROJECT

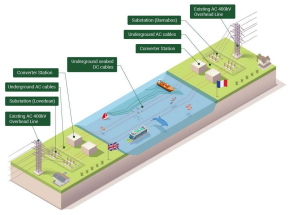
Linking UK and France

Fisheries Data Meetings

PROJECT INFORMATION

AQUIND Interconnector

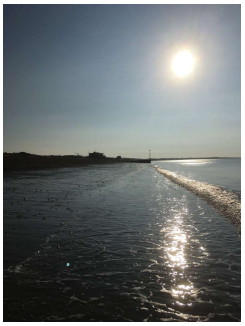
- 'AQUIND Interconnector' is a proposed cross channel cable that would connect the electricity grids of the UK and France.
- This High Voltage Direct Current (HVDC) would have a capacity of 2,000 MW, and transmit up to 16,000,000 MWh of electricity each year.
- The interconnector will support 5% of Britain's energy consumption.
- The project will incorporate marine (subsea) and onshore (underground) cables, as well as substations on land.



THE ROUTE

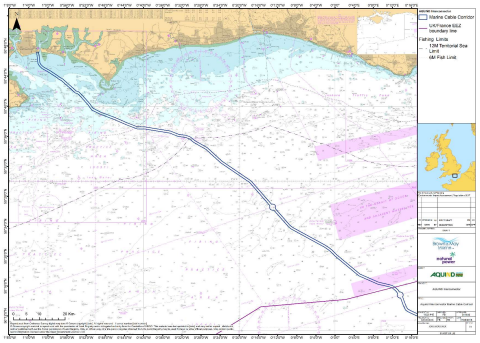
Marine cable corridor

- The marine element of the cable route will be approximately 190 km.
- It will comprise four high-voltage marine cables (2 bundles of 2).
- In the UK, the proposed landing point is at Eastney, near Portsmouth.
- On the French side, the interconnector's landing point will be in Pourville or Dieppe (Normandy).
- Route has changed, since first fisheries meetings due to input from fishermen and geophysical/geotechnical survey results.



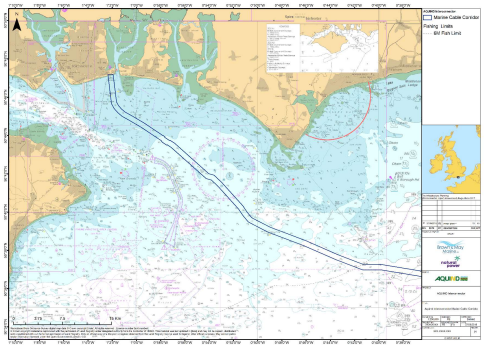
CABLE CORRIDOR

UK waters



CABLE CORRIDOR

UK Inshore Area



MARINE APPLICATION PROCESS

Update

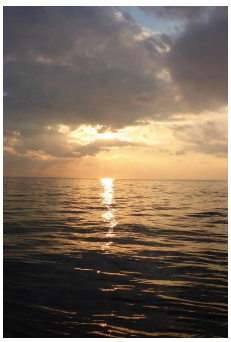
- Aquind was in the process of applying for a Marine Licence from the MMO for the subsea element.
- The project has now been confirmed as a Nationally Significant Infrastructure Project (NSIP).
- Aquind is now preparing an application for a Development Consent Order (DCO), which covers marine and onshore in one application.
- This will include a Deemed marine licence.
- An Environmental Impact Assessment for marine works is being carried out.

PROJECT TIMELINES

Update

Indicative timelines for marine elements of application (UK):

- Scoping report re-submission – Autumn 2018
- Submission of Preliminary Environmental information – Q1 2019
- Public consultation – Q1 2019
- DCO submission – Q3 2019
- Anticipated DCO Decision – Q4 2020
- Earliest start of installation of marine installation works – Q4 2021
- Installation works may take at least 1 year.



SURVEYS

Marine Survey

Marine surveys carried out:

- Intertidal surveys – July 2017
- Benthic surveys – (Drop Down Video and Grabs) - July 2017 – March 2018
- Geophysical survey – November 2017 – March 2018
- Geotechnical survey – June – August 2018

WHAT WILL BE ASSESSED

Environmental Impact Assessment

- Commercial fisheries assessment

Installation (and decommissioning) and operation:

- Temporary loss or restricted access to established fishing grounds
- Temporary displacement of fishing activity into other areas;
- Interference to normal fishing activities
- Safety issues for fishing vessels
- Temporary increases in steaming times
- Obstacles on the seabed after installation.

- Natural Fish and shellfish:

Installation (and decommissioning):

- Temporary habitat disturbance
- Major works near a river mouth
- Temporary increase in suspended sediments
- Noise and vibration.

- Operation:
  - Electro-magnetic field (EMF) effects
  - Habitat loss.

ELECTRO-MAGNETIC FIELDS (EMF)

- The cables to be installed are HVDC and not HVAC.
- DC cables emit much lower magnetic fields than AC.
- The marine cable will be buried for the majority of the marine cable corridor which will further reduce the magnetic field at the surface of the seabed.
- It is predicted that at 1m burial depth the EMF will be less than the earth's natural magnetic field of 50 micro-Tesla.

Cable Depth (m)	Magnetic Field at Seabed Level (micro-Tesla)
1	42
2	11
3	5
4	3
5	2
6	1

INSTALLATION OF CABLES

- The type of vessel will be decided as a result of the scientific campaigns.
- Examples vessel types include:

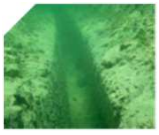
Cable Lay Barge

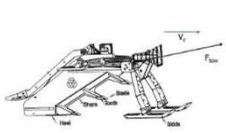
Cable lay vessel

INSTALLATION OF CABLES

Potential technical methods

- Where possible, the marine cables will be buried in trenches under the sea floor or, where trenches cannot be excavated, the subsea cables will be protected.
- Methods of cable installation may include:
  - Plough
  - Jet Trenching
  - Mechanical Trenching
  - HDD





WHY ARE WE HERE?

- Here to gather information on where fishing occurs and what your concerns are so we can assess the impacts to fishing properly.

GET IN TOUCH

To find out more about AQUIND Interconnector, please visit http://aquind.co.uk or our consultation website at **https://aquindconsultation.co.uk**

If you have any questions, you can contact the project team via:

Infoline: **01962 893 869**

Email: **aquindconsultation@becg.com**

Freepost: **'AQUIND CONSULTATION'**

For Fisheries related questions

Brown and May Marine Ltd.
Fiona.Birch@brownmay.com
Tel: 01379 872145 Mob: 07590 880746

AQUIND

THANK YOU!