



AQUIND Limited

AQUIND INTERCONNECTOR

Consultation Report – Appendix 1.3I
Presentation to Local Members of
Parliament

The Planning Act 2008

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

Document Ref: 5.1.3I

PINS Ref.: EN020022

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WSP

WSP House

70 Chancery Lane

London

WC2A 1AF

+44 20 7314 5000

www.wsp.com

AQUIND

AQUIND INTERCONNECTOR
A PROJECT OF NATIONAL SIGNIFICANCE

PROJECT OVERVIEW

Substation (Rembos) - RTE
Existing AC 400kV Overhead Line - RTE
Underground AC Cables
Converter Station
Underground DC Cables
Submarine DC Cables
Converter Station
Substation (Lowlands) - National Grid
Existing AC 400kV Overhead Line - National Grid

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THE BENEFITS OF INTERCONNECTION

Interconnection allows the most efficient sources of generation to be used, efficiently dispatching power across markets and reducing overall energy costs

Value of Interconnection to Europe

- Interconnection can deliver the following benefits:
 - Reducing system generation costs
 - Improved security of supply
 - Improved integration of low carbon generation
 - Network reinforcement
 - Improved competition and liquidity
- Overall, interconnectors contribute to a secure, affordable and sustainable energy future and are therefore attractive to policy makers.

The EU agreed an indicative non-binding target for interconnection levels to be at least 10% of each Member State's total installed generation capacity.
In 2017, this target was subsequently increased to 15% by 2030.

European energy trilemma

- Security**
 - Access to additional capacity during peak-time
 - Increased diversity of supply
- Affordability**
 - Access to lower cost generation
 - Reduction in system generation costs
 - Increased market liquidity
- Sustainability**
 - Improved integration of low carbon technologies
 - Overall reduction in CO2 emissions

Source: European Commission - Energy Union Package - Achieving the 20% electricity interconnection target

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BENEFITS FOR GB

The largest benefits from AQUIND are earned by the connecting markets, GB and France

Value of AQUIND to GB

AQUIND benefits	GB	Comments
Security of supply	✓	Benefits apply to GB and France as the interconnector is bi-directional and can respond to system needs (i.e. price spikes) in both countries
Competition	✓	AQUIND will provide market participants in GB and France access to each market, and to other connected European markets providing the opportunity to trade across Europe
Benefits to consumers	✓	Consumers in GB will typically benefit from cheaper imports from France via AQUIND, as power flows from the cheaper French market to the more expensive GB market
Sustainability/renewable deployment	✓	Renewable dispatch across Europe is facilitated by AQUIND as market access is increased with greater cross-border capacity, unlocking renewables and decreasing carbon emissions
Ancillary services	✓	AQUIND will offer system services to the TSOs (National Grid in GB and RTE in France) to help manage system needs (such as short-term frequency fluctuations)

In June 2018, Secretary of State for BEIS designated AQUIND as a Nationally Significant Infrastructure Project for bringing additional 2,000MW of capacity, equivalent to a large generating power station

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PROJECT LOCATION – UK ONSHORE INFRASTRUCTURE

Key

- Site Boundary: Cable Route: Corridor within which underground cable could be installed - this includes route options still under consideration and stretches of the route where horizontal directional drilling will be undertaken
- Site Boundary Sections
- Indicative Converter Station Location
- Existing Substation Boundary

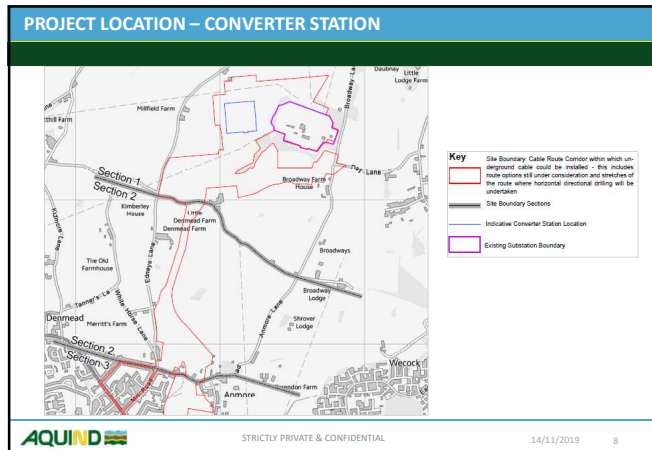
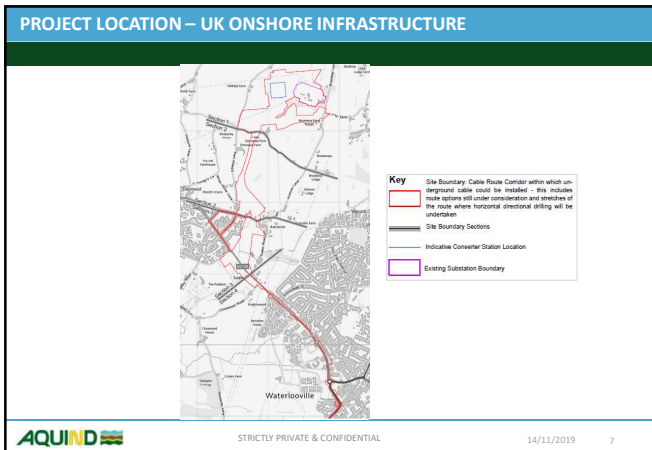
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PROJECT PARAMETERS

UK Onshore Elements

- Works at the existing National Grid Lovedean substation in Hampshire where AQUIND Interconnector will connect to the existing GB grid;
- Underground alternating current (‘AC’) cables, connecting Lovedean substation to the proposed nearby converter station;
- Construction of a converter station comprising a mix of buildings and outdoor electrical equipment;
- Two pairs of direct current (‘DC’) cables with one fibre optic cable of smaller diameter per pair of cables for data transmission from the proposed landfill site in Eastney to the converter station at Lovedean. The cables will be approximately 20 km in length and the intention is to locate the cables within existing highway or road verges where practicable.

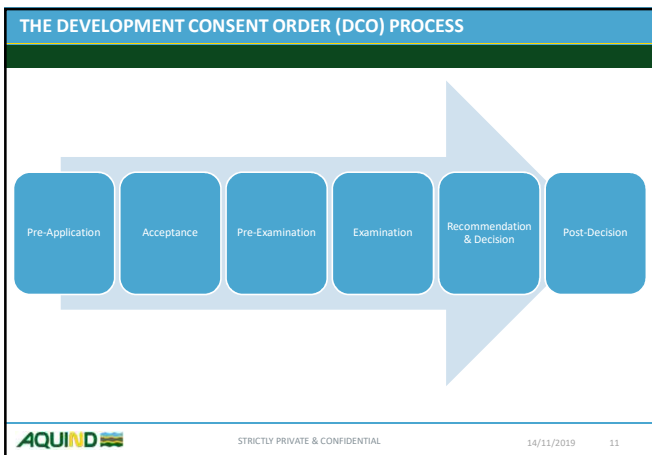
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PROJECT PARAMETERS

Marine Elements

- Four marine cables between England and France, which can be bundled in pairs, and a smaller diameter fibre optic cable per pair of marine cables for data transmission. The marine cable route can be divided into the following sections:
 - Approximately 47 km within the UK territorial limit, i.e. 12 nautical miles from the mean high water mark;
 - Approximately 53 km from the UK territorial limit to the boundary of the Exclusive Economic Zone (‘EEZ’);
 - Approximately 58 km from the boundary of the EEZ to the French territorial limit;
 - Approximately 29 km within the French territorial limit, i.e. 12 nautical miles from the mean high water mark.

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KEY PROJECT MILESTONES

Jul 2018	• Secretary of State Direction re Nationally Significant Infrastructure Project
Oct 2018	• Updated EIA Scoping Report to Planning Inspectorate (local authorities consulted)
Oct – Dec 2018	• Statement of Community Consultation
Feb 2019	• Formal consultation under Planning Act with Local Community - 8 weeks
Q3 2019	• Anticipated submission of DCO application to Planning Inspectorate
Late 2020	• Anticipated DCO decision by Secretary of State
2021	• Anticipated start onshore and offshore development works and converter station construction
2023	• Anticipated commissioning

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INFORMAL CONSULTATION (JANUARY – FEBRUARY 2018)

Invitation flyers to 1084+ households and businesses from Easington to Lonsdale
 Social media adverts reaching 188k Facebook users across the south of England
 Newspaper adverts in local publications with a combined circulation of 70K+

Combined reach of circa 100K people

Consultation events took place at:
 Winstanley Community Centre
 Wed 24 January 2018
 2-5pm
 Wilton Village Hall
 Fri 26 January 2018
 2-5pm
 Lonsdale Village Hall
 Sat 27 January 2018
 2-5pm

239 attendees

Attendees by Local Authority of residence:

East Hampshire DC	41%
Portsmouth CC	33%
Havant BC	17%
Winstanley CC	7%

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INFORMAL CONSULTATION (JANUARY – FEBRUARY 2018)

- 86% found the consultation **helpful** or **somewhat helpful**
- 75% **strongly agree** or **agree** with the approach to the **cable route** design
- 68% **strongly agree** or **agree** with the **aims** of AQUIND Interconnector
- 61% **strongly agree** or **agree** with the approach to the **converter station** design
- 55% **strongly agree** or **agree** with the approach to the **landing point** selection

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STATUTORY CONSULTATION PERIOD (FEBRUARY – APRIL 2019)

- NSIP developers are required to publicise their proposals widely and consult with the local community, local authorities, statutory bodies and persons with an interest in land potentially affected by the proposed development.
- Before accepting the application for examination on behalf of the Secretary of State, PINS must be satisfied that adequate pre-application consultation has been conducted.
- Statement of Community Consultation (SoCC) sets out how AQUIND will consult with the local community on its DCO application. Consultation activity outlined in the SoCC to take place during the statutory consultation period includes:
 - Council & Community Briefings
 - Statutory notices
 - Public Exhibitions
 - Fisheries Consultations
 - Consultation Materials (including SoCC, PEIR, Consultation Packs)
 - Consultation Website (www.aquindconsultation.co.uk)
 - Community Newsletter
 - Local Media
 - Social Media

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STATUTORY CONSULTATION PERIOD (FEBRUARY – APRIL 2019)

Feedback forms (including Large Print and Easy-Read)
Website aquindconsultation.co.uk
Freesphone 01962 893 869
Email aquindconsultation@beeg.com
Freepost AQUIND CONSULTATION

- Feedback can be provided in person at our consultation events, via phone, email, post, or online
- All comments submitted during the consultation will be recorded and carefully considered by AQUIND and will be taken into account prior to submission of the DCO application
- An explanation of how the comments received have been taken into account will be detailed in the Consultation Report to accompany the DCO application.

Next Steps
 Following conclusion of the statutory consultation and consideration of comments, AQUIND anticipates submission of its DCO application to Planning Inspectorate in Q3 2019

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THANK YOU.
ANY QUESTIONS?

