



Orsted Onshore Ireland Midco Limited

07: MEMORANDUM RESPONSE TO SUBMISSIONS RECEIVED

MATERIAL ASSETS (AVIATION)

Proposed Oatfield Wind Farm Project, Co. Clare: ABP
Case No. ABP-318782-24

June 2024



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APPENDIX 1 - AI BRIDGES RESPONSE TO AIRNAV IRELAND'S SUBMISSION

1 MATERIAL ASSETS (AVIATION)

1.1 Introduction

The following memorandum has been prepared to address submissions received during the observations and submissions period associated with the Oatfield Wind Farm Planning Application. The planning application for the aforementioned Proposed Development was submitted to An Bord Pleanála on 22nd December 2023 (ABP Case Number: ABP-318782-24). The period for submissions and observations was 22nd December 2023 to 19th February 2024.

This is memorandum number 7 in the Oatfield Wind Farm submission response documentation, which addresses the submission made by AirNav Ireland in respect of the Proposed Development. The matters raised in this submission fall within the discipline of Material Assets (aviation) (corresponding to **Chapter 11 of the EIAR**, submitted as part of the planning application made to An Bord Pleanála).

1.2 Statement of authority

This memorandum was authored by Kevin Hayes of Ai Bridges. The technical reports that form part of this response were undertaken by a company named Cyrrus, who are a certified Instrument Flight Path (IFP) Designer with both the Irish Aviation Authority (IAA) and AirNav. The response was reviewed by Paddy Kavanagh of RSK Ireland.

Kevin Hayes has a B.Eng Hons Electronic Engineering – Communications & Industrial Automation – U.L. 1991, an M.Eng Hons Electronic Engineering – Communications & Communications Engineering – U.L. 2003. He holds the following certifications: Harris Radio Design Certification 2008, WiMAX Certified Engineer 2005, Redline Communications Certified Engineer – 2004, Celplan Suite training – 2009 / 2010, and PM Certified Professional 1999. Kevin is a software design engineer and founding director at Ai Bridges (2000 – present). He has more than 15 years of Telecommunications Network Design & Project Management and is experienced analysing and troubleshooting RF issues. He is currently researching software interference prediction model for Air Traffic Control System (MOD, NATS). Kevin has worked on a wide range of wind energy projects including Hunters Hill, Crockagarron - Slieve Kirk – Carrickatheane – Curryfree, Clydagh, Glenora, Woodhouse, Grouselodge, Bruckana and Mount Lucas Wind Farm Wireless Signal Interference Field Surveys Project. Kevin has also managed the ESB Wireless Wind Farm Wireless Signal Interference Framework for 5 years and managed and designed the software prediction model for the TVI & Broadband EMI Interference Studies for Woodhouse Grousemount, Cappahwite, Oweninny, Raheenlagh Wind Farm.

Paddy Kavanagh holds an Honours Degree and a PhD in Chemistry and is a Lead Environmental Consultant with RSK Ireland working on delivery of renewable energy projects. He has over 40 years of experience in the environmental sector, both in Ireland and internationally, managing the delivery of and providing technical input to a wide range of projects since 1981. Prior to joining RSK Group in October 2022, Paddy was a lead consultant of the Generation Renewable Projects Delivery Team in ESB's Engineering



and Major Projects (EMP), providing environmental and planning due diligence, risk assessment and guidance on acquisitions of renewable generation projects with inputs to submissions on environmental and planning policy documents, both onshore and offshore (ScotWind e.g.), and on guidance issued by national governments on behalf of ESB. Prior to this Paddy managed the Planning and Environmental Consenting and Assessment teams of EMP, managing planning, environmental consenting, IE Licencing and environmental construction management for energy infrastructure including renewable generation (wind, battery, solar and wave energy and transmission and distribution systems). With ESB Engineering and Major Projects, Paddy managed and input to the delivery of EIARs for renewable wind (SID and Non-SID) and solar, 38kV, 110kV and 400kV Overhead lines, underground cables, substations and thermal generation plants. This included Expert Witness roles at Oral Hearings and Witness statements for Judicial Review cases. Paddy was also member of the ESB Environmental and Sustainability Leadership Group which sets the goals and direction for the sustainable development of ESB and its transition to a low carbon and subsequent net zero future.

1.3 Response to AirNAV Ireland's Submission

The response to AirNAV's submission, as prepared by the specialist company Ai Bridges, is presented in Appendix 1 below. The response also contains the technical assessments from Cyrrus as described above in Section 1.2.