DOGGER BANK D WIND FARM

Preliminary Environmental Information Report

Volume 2
Appendix 27.2 Landscape and Visual Impact Assessment Visualisations

Document Reference No: 2.27.2
Date: June 2025
Revision: V1

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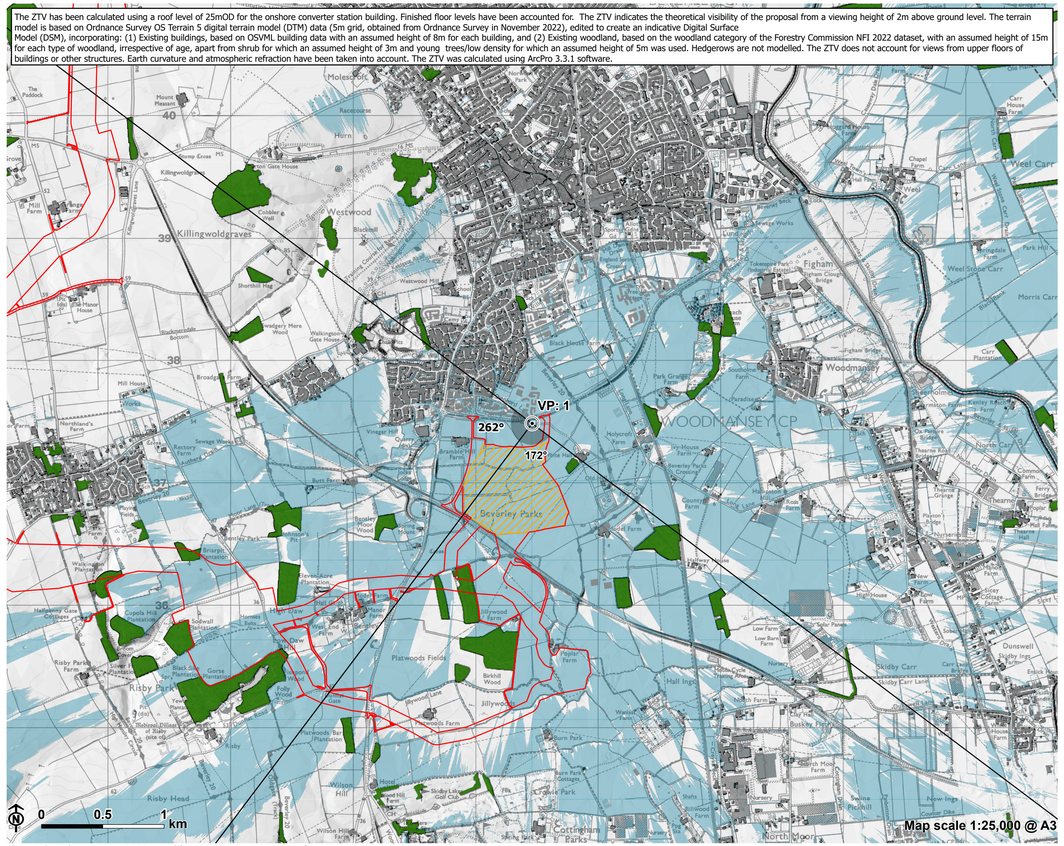
Document Title:	**Volume 2, Appendix 27.2 Landscape and Visual Impact Assessment Visualisations**
Document BIM No.	**PC6250-LUC-XX-ON-RP-EV-0138**
Prepared By:	**LUC**
Prepared For:	**Dogger Bank D Offshore Wind Farm**

Revision No.	Date	Status / Reason for Issue	Author	Checked By	Approved By
V1	30/05/2025	Final	LUC	AT	RH

The ZTV has been calculated using a roof level of 25mOD for the onshore converter station building. Finished floor levels have been accounted for. The ZTV indicates the theoretical visibility of the proposal from a viewing height of 2m above ground level. The terrain model is based on Ordnance Survey OS Terrain 5 digital terrain model (DTM) data (5m grid, obtained from Ordnance Survey in November 2022), edited to create an indicative Digital Surface Model (DSM), incorporating: (1) Existing buildings, based on OSVML building data with an assumed height of 8m for each building, and (2) Existing woodland, based on the woodland category of the Forestry Commission NFI 2022 dataset, with an assumed height of 15m for each type of woodland, irrespective of age, apart from shrub for which an assumed height of 3m and young trees/low density for which an assumed height of 5m was used. Hedgerows are not modelled. The ZTV does not account for views from upper floors of buildings or other structures. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcPro 3.3.1 software.



- 90° field of view
- Viewpoint
- 5km from Onshore Converter Stations (OCS) Zones 4 & 8
- Onshore Development Area
- OCS Zone 4 Indicative Area for Siting OCS Infrastructure
- Proposed OCS Zone 4 theoretically visible
- Existing woodland screening
- Existing building screening

Note:
Visualisation showing extent of OCS Zone 4 Siting Area at 25m height

Project: Dogger Bank D Offshore Wind Farm

DOGGER BANK WIND FARM

Title: Viewpoint 1: Shepherd Lane

Figure: 27-7

Drawing No: PC3991-RHD-LUC-ON-ZZ-DR-27-7

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
03	30/04/2025	MS	TH	A3	1:25,000 1:5,000
04	21/05/2025	MS	TH	A3	1:25,000 1:5,000

Co-ordinate system: British National Grid

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OS reference:	503460 E 437487 N
AOD (Above Ordnance Datum):	12.05
Direction of view:	172°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D600
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	30/10/2024 09:52

Data Sources:
Topography to inform AOD heights: 1m National LiDAR programme DTM (2020). 3D boundary model informed by OCS development parameters provided by the Applicant.

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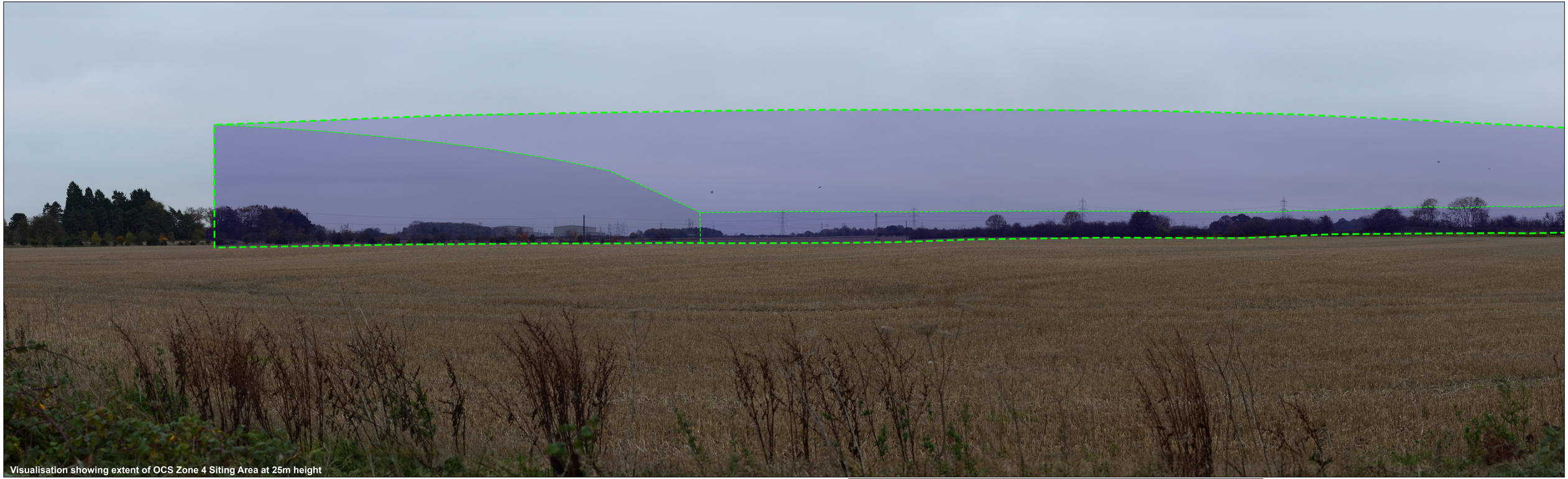
Figure 27-7a
Viewpoint 1: Shepherd Lane



LUC

OS reference:	503460 E 437487 N
AOD (Above Ordnance Datum):	12.05
Direction of view:	172°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D600
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	30/10/2024 09:52

Data Sources:
Topography to inform AOD heights: 1m National LiDAR programme DTM (2020). 3D boundary model informed by OCS development parameters provided by the Applicant.

Maximum extent of the OCS Siting Area at 25m height:
The visualisation depicts the maximum area (approx. 49ha) within which the Onshore Converter Station (OCS) and Energy Storage and Balancing Infrastructure (ESBI) would be sited. The location and extent of the infrastructure within this area is not known at this time, but it would not occupy the whole of the area shown. The OCS and ESBI platform footprint extent would be up to 14ha.

The maximum extent is depicted as a dashed outline. Screening by vegetation and other features is not considered, and therefore visualisations do not demonstrate degree of visibility.

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Figure 27-7b
Viewpoint 1: Shepherd Lane

LUC

OS reference:	503460 E 437487 N
AOD (Above Ordnance Datum):	12.05
Direction of view:	262°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D600
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	30/10/2024 09:52

Data Sources:
Topography to inform AOD heights: 1m National LiDAR programme DTM (2020). 3D boundary model informed by OCS development parameters provided by the Applicant.

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Figure 27-7c
Viewpoint 1: Shepherd Lane