

Hornsea 4

Ørsted



Hornsea Project Four: Preliminary Environmental Information Report (PEIR)

Volume 6, Annex 4.1: Landscape and Visual Resources: Photography and Photomontages

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Version A

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Glossary

Term	Definition
High Voltage Alternating Current (HVAC)	High voltage alternating current is the bulk transmission of electricity by alternating current (AC), whereby the flow of electric charge periodically reverses direction.
High Voltage Direct Current (HVDC)	High voltage direct current is the bulk transmission of electricity by direct current (DC), whereby the flow of electric charge is in one direction.

Acronyms

Acronym	Definition
AF	Auto focus
AGL	Above ground level
AOD	Above Ordnance Datum
E	East
f/1.8	Refers to the maximum aperture of the camera used
HVAC	High voltage alternating current
HVDC	High voltage direct current
N	North
OnSS	Onshore substation
OS	Ordnance Survey
PEIR	Preliminary Environmental Information Report
PRoW	Public Right of Way
S	South
W	West

Units

Unit	Definition
km	kilometre
m	metre
mm	millimetre

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1 **Baseline photographs, photomontages and 3D models**



Figure 1
Viewpoint 1: PRow South of Burn Park Farm

OS reference: 503721 E 434766 N
 AOD: 13.5 m
 Direction of view: 20°
 Distance to site: 0.24 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D600
 Lens: AF 50mm f/1.8D
 Camera height: 1.5 m AGL
 Date and time: 03/04/2019 13:50
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Figure 2
Viewpoint 1: PRow South of Burn Park Farm

OS reference:	503721 E 434766 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
AOD:	13.5 m	Principal distance:	522 mm	Lens:	AF 50mm f/1.8D
Direction of view:	20°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Distance to site:	0.24 km	Correct printed image size:	820 x 260 mm	Date and time:	03/04/2019 13:50
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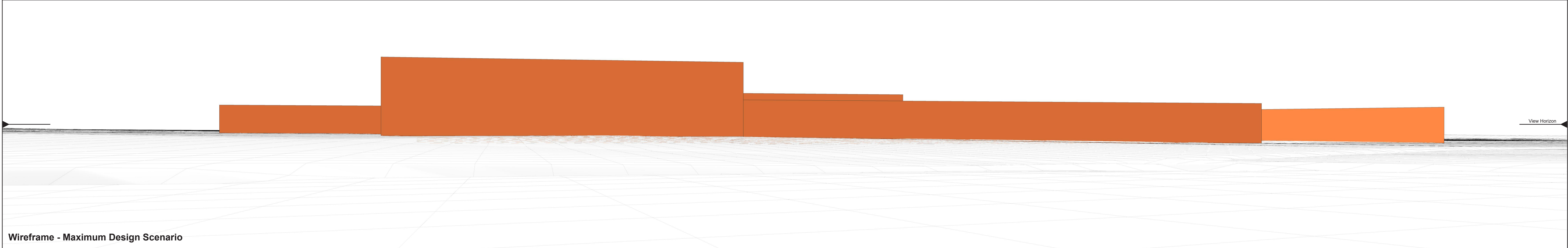


Figure: 3
Viewpoint 1: PRow South of Burn Park Farm

OS reference: 503721 E 434766 N
 AOD: 13.5 m
 Direction of view: 20°
 Distance to site: 0.24 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D600
 Lens: AF 50mm f/1.8D
 Camera height: 1.5 m AGL
 Date and time: 03/04/2019 13:50
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Figure 4
Viewpoint 2: Park Lane Cottingham

OS reference:	504068 E 434286 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
AOD:	13 m	Principal distance:	522 mm	Lens:	AF 50mm f/1.8D
Direction of view:	350°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Distance to site:	0.66 km	Correct printed image size:	820 x 260 mm	Date and time:	03/04/2019 12:10
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Figure: 5
Viewpoint 2: Park Lane Cottingham

OS reference:	504068 E 434286 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
AOD:	13 m	Principal distance:	522 mm	Lens:	AF 50mm f/1.8D
Direction of view:	350°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Distance to site:	0.66 km	Correct printed image size:	820 x 260 mm	Date and time:	03/04/2019 12:10
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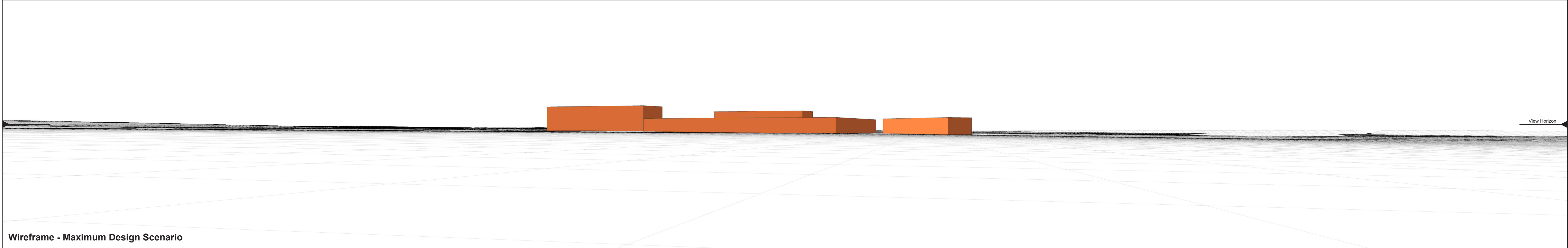


Figure: 6
Viewpoint 2: Park Lane Cottingham

OS reference: 504068 E 434286 N
 AOD: 13 m
 Direction of view: 350°
 Distance to site: 0.66 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D600
 Lens: AF 50mm f/1.8D
 Camera height: 1.5 m AGL
 Date and time: 03/04/2019 12:10
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Baseline photograph

This image provides landscape and visual context only



Photomontage - HVAC Option

Figure: 7
Viewpoint 3: Footbridge over A1079

OS reference:	503823 E 435970 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
AOD:	15 m	Principal distance:	522 mm	Lens:	AF 50mm f/1.8D
Direction of view:	175°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Distance to site:	0.67 km	Correct printed image size:	820 x 260 mm	Date and time:	04/04/2019 08:15
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Figure 8
Viewpoint 3: Footbridge over A1079

OS reference: 503823 E 435970 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Nikon D600
AOD: 15 m	Principal distance: 522 mm	Lens: AF 50mm f/1.8D
Direction of view: 175°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Distance to site: 0.67 km	Correct printed image size: 820 x 260 mm	Date and time: 04/04/2019 08:15
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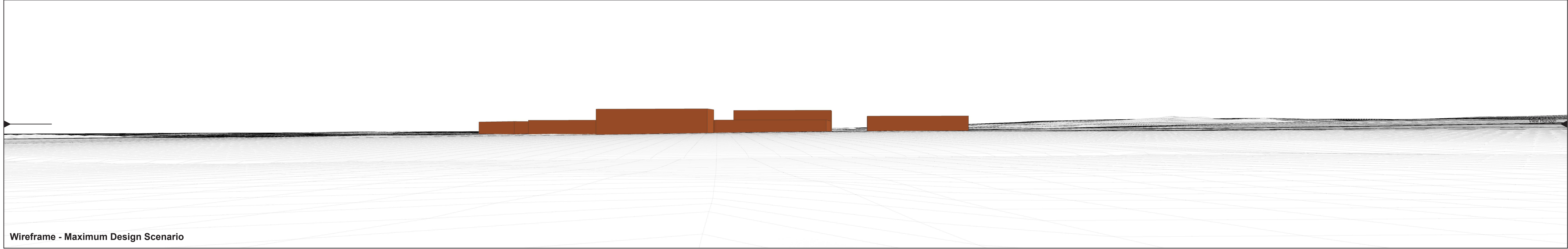


Figure: 9
Viewpoint 3: Footbridge over A1079

OS reference: 503823 E 435970 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Nikon D600
AOD: 15 m	Principal distance: 522 mm	Lens: AF 50mm f/1.8D
Direction of view: 175°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Distance to site: 0.67 km	Correct printed image size: 820 x 260 mm	Date and time: 04/04/2019 08:15
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Figure: 10
Viewpoint 4: PRow East of A164

OS reference:	502245 E 434523 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
AOD:	41 m	Principal distance:	522 mm	Lens:	AF 50mm f/1.8D
Direction of view:	70°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Distance to site:	1.36 km	Correct printed image size:	820 x 260 mm	Date and time:	03/04/2019 14:30
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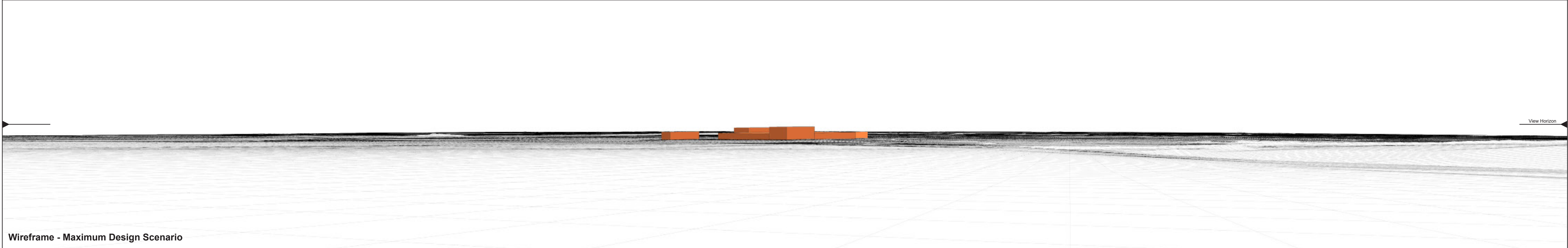
Figure: 11
Viewpoint 4: PRow East of A164

OS reference:	502245 E 434523 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
AOD:	41 m	Principal distance:	522 mm	Lens:	AF 50mm f/1.8D
Direction of view:	70°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Distance to site:	1.36 km	Correct printed image size:	820 x 260 mm	Date and time:	03/04/2019 14:30
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Baseline photograph

This image provides landscape and visual context only



Wireframe - Maximum Design Scenario

View Horizon

Figure: 12
Viewpoint 4: PRow East of A164

OS reference: 502245 E 434523 N	Horizontal field of view: 90° (cylindrical projection)	Camera: Nikon D600
AOD: 41 m	Principal distance: 522 mm	Lens: AF 50mm f/1.8D
Direction of view: 70°	Paper size: 841 x 297 mm (half A1)	Camera height: 1.5 m AGL
Distance to site: 1.36 km	Correct printed image size: 820 x 260 mm	Date and time: 03/04/2019 14:30
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Figure: 13

These images provides landscape and visual context only



Figure: 14

These images provides landscape and visual context only



Figure: 15

These images provides landscape and visual context only