

### LEGEND

Row A: 158m blade tip \ 90m hub Row B: 185.25m blade tip \ 102.5m hub Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 398035, 818190

Camera Height (AOD): 5.09m

Viewer Height: 1.6m

Viewing Distance: 435mm Angle (width): 60°, turbines occupy - 51°

Camera & Lens: Digital SLR, 50mm

22/11/2010 12:45 Photo date / time:

3.51km, T6

11,10,9,8,7,6,5,4,3,2,1 Turbines (Left - Right):

Bearing to the centre of EOWDC: 144°

Location Plan - 1:50,000 scale

Nearest turbine:



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# LDĀDESIGN

EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 1: Balmedie Beach - Scenario 1

ISSUED BY Oxford T: 01865 887050 DATE DRAWN 17 July 2012 SCALE@A1 NTS CHECKED SD STATUS APPROVED AJ/WW

DWG. NO. 3336\_105

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.



### LEGEND

Row A: 158m blade tip \ 90m hub

Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 395061, 813041

Camera Height (AOD): 39.63m

Viewer Height: 1.6m Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 30°

Camera & Lens: Digital SLR, 50mm

Photo date / time: 22/11/2010 12:06

Nearest turbine: 4.44km, T2

Turbines (Left - Right): 11,9,6,3,10,8,5,2,7,4,1

Turbines (Left - Right): 11,9,6,3,10,8,5,2,7

Bearing to the centre of EOWDC: 72°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

PROJECT TIT

EUROPEAN OFFSHORE
WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

STATUS

Visualisations: Zoning Scenarios Viewpoint 2: A90 (Harehill turn off) - Scenario 1

ISSUED BY Oxford T: 01865 887050
DATE 17 July 2012 DRAWN SG
SCALE@A1 NTS CHECKED SD

DWG. NO. 3336\_105

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APPROVED AJ/WW

The 3D model used to produce the photomontage is created from 5m interval photographically derived digital terrain model (DTM) for coastal areas, resampled 5m DTM for the coastal areas because the coarseness of the OS Panorama data does not accurately record the dune landscape, which is locally very complex in terms of topography. The camera height is derived from the 50m interval combined spot height data and therefore does not precisely model small scale changes in landform. The model of turbine shown is similar to that proposed for the development.



### LEGEND

Row A: 158m blade tip \ 90m hub

Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 396276, 813182

Camera Height (AOD): 8.78m

Viewer Height: 1.6m

Viewer Height: 1.6m

Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 37°

Camera & Lens: Digital SLR, 50mm

Photo date / time: 16/04/2012 14:00

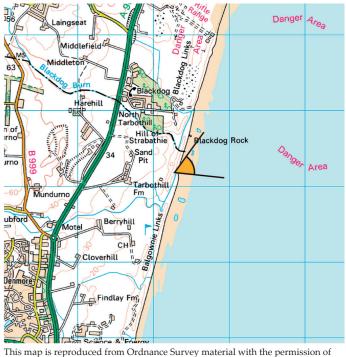
Nearest turbine: 3.22km, T2

Turbines (Left - Right): 11,9,6,3,10,8,5,2,7,4,1

Bearing to the centre of EOWDC: 69.44°

------

Location Plan - 1:50,000 scale



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# LDĀDESIGN

PROJECT TITI

EUROPEAN OFFSHORE
WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios Viewpoint 23: Murcar 8th Tee - Scenario 1

ISSUED BY Oxford T: 01865 887050

DATE 17 July 2012 DRAWN SG

SCALE@A1 NTS CHECKED SD

STATUS Final APPROVED AJ/WW

DWG. NO. 3336\_105

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### LEGEND

Row A: 158m blade tip \ 90m hub

Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 399298, 821276

Camera Height (AOD): 19.42m

Viewer Height: 1.6m

Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 26°
Camera & Lens: Digital SLR, 50mm

Photo date / time: 27/04/2012 13:00

Nearest turbine: 5.26km, T11

Turbines (Left - Right): 11,10,9,8,7,6,5,4,1,2,3

Bearing to the centre of EOWDC: 169.57°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

PROJECT TIT

EUROPEAN OFFSHORE
WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 28: Menie Estate (back nine) - Scenario 1

ISSUED BY Oxford T: 01865 887050

DATE 17 July 2012 DRAWN SG

SCALE@A1 NTS CHECKED SD

STATUS Final APPROVED AJ/WW

DWG. NO. 3336\_105

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All dimensions are to be checked on site.
Area measurements for indicative purposes only.



### LEGEND

Row A: 158m blade tip \ 90m hub

Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Viewing Distance:

Grid Reference: 398035, 818190

Camera Height (AOD): 5.09m

Viewer Height: 1.6m

Angle (width): 60°, turbines occupy - 51°

435mm

Camera & Lens: Digital SLR, 50mm

Photo date / time: 22/11/2010 12:45

Nearest turbine: 3.51km, T6

Turbines (Left - Right): 11,10,9,8,7,6,5,4,3,2,1

Bearing to the centre of EOWDC: 144°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

PROJECT TITI

EUROPEAN OFFSHORE
WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 1: Balmedie Beach - Scenario 2

ISSUED BY Oxford T: 01865 887050

DATE 17 July 2012 DRAWN SG

SCALE@A1 NTS CHECKED SD

STATUS Final APPROVED AJ/WW

DWG. NO. 3336\_105

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.



### LEGEND

Row A: 158m blade tip \ 90m hub Row B: 185.25m blade tip \ 102.5m hub Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Viewing Distance:

Grid Reference: 395061, 813041

Camera Height (AOD): 39.63m

Viewer Height: 1.6m 435mm

Angle (width): 60°, turbines occupy - 30°

Camera & Lens: Digital SLR, 50mm 22/11/2010 12:06 Photo date / time:

4.44km, T2 Nearest turbine:

11,9,6,3,10,8,5,2,7,4,1 Turbines (Left - Right):

Bearing to the centre of EOWDC: 72°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios Viewpoint 2: A90 (Harehill turn off) - Scenario 2

ISSUED BY Oxford T: 01865 887050 DATE 17 July 2012 DRAWN

SCALE@A1 NTS CHECKED STATUS APPROVED AJ/WW

DWG. NO. 3336\_105

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.



### LEGEND

Row A: 158m blade tip \ 90m hub Row B: 185.25m blade tip \ 102.5m hub Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 396276, 813182

Camera Height (AOD): 8.78m

Viewer Height: 1.6m Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 37°

Camera & Lens: Digital SLR, 50mm

16/04/2012 14:00 Photo date / time: 3.22km, T2 Nearest turbine:

11,9,6,3,10,8,5,2,7,4,1 Turbines (Left - Right):

Bearing to the centre of EOWDC: 69.44°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios Viewpoint 23: Murcar 8th Tee - Scenario 2

ISSUED BY Oxford T: 01865 887050 DATE 17 July 2012 DRAWN SD SCALE@A1 NTS CHECKED STATUS APPROVED AJ/WW

DWG. NO. 3336\_105

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.



### LEGEND

Row A: 158m blade tip \ 90m hub Row B: 185.25m blade tip \ 102.5m hub Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 399298, 821276

Camera Height (AOD): 19.42m Viewer Height: 1.6m

Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 26°

Camera & Lens: Digital SLR, 50mm

27/04/2012 13:00 Photo date / time:

5.26km, T11 Nearest turbine:

11,10,9,8,7,6,5,4,1,2,3 Turbines (Left - Right):

Bearing to the centre of EOWDC: 169.57°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 28: Menie Estate (back nine) - Scenario 2

ISSUED BY Oxford T: 01865 887050 DATE 17 July 2012 DRAWN SCALE@A1 NTS CHECKED **STATUS** APPROVED AJ/WW

DWG. NO. 3336\_105

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### LEGEND

Row A: 158m blade tip \ 90m hub

Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 398035, 818190

Camera Height (AOD): 5.09m

Viewer Height: 1.6m

Viewer regine. Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 51°

Camera & Lens: Digital SLR, 50mm

Photo date / time: 22/11/2010 12:45

Nearest turbine: 3.51km, T6

Turbines (Left - Right): 11,10,9,8,7,6,5,4,3,2,1

Bearing to the centre of EOWDC: 144°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

PROJECT TITI

EUROPEAN OFFSHORE
WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

STATUS

Visualisations: Zoning Scenarios

Viewpoint 1: Balmedie Beach - Scenario 3

ISSUED BY Oxford T: 01865 887050
DATE 17 July 2012 DRAWN SG
SCALE@A1 NTS CHECKED SD

DWG. NO. 3336\_105

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### LEGEND

Row A: 158m blade tip \ 90m hub Row B: 185.25m blade tip \ 102.5m hub Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 395061, 813041

Camera Height (AOD): 39.63m

Viewer Height: 1.6m

Viewing Distance: 435mm Angle (width): 60°, turbines occupy - 30°

Camera & Lens: Digital SLR, 50mm

22/11/2010 12:06 Photo date / time: 4.44km, T2

11,9,6,3,10,8,5,2,7,4,1 Turbines (Left - Right):

Bearing to the centre of EOWDC: 72°

Location Plan - 1:50,000 scale

Nearest turbine:



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# LDĀDESIGN

EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 2: A90 (Harehill turn off) - Scenario 3

ISSUED BY Oxford T: 01865 887050 DATE 17 July 2012 DRAWN SCALE@A1 NTS CHECKED STATUS APPROVED AJ/WW

DWG. NO. 3336\_105

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.



### LEGEND

Row A: 158m blade tip \ 90m hub

Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 396276, 813182

Camera Height (AOD): 8.78m

Viewer Height: 1.6m

Viewer regine. Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 37°

Camera & Lens: Digital SLR, 50mm

Photo date / time: 16/04/2012 14:00

Nearest turbine: 3.22km, T2

Turbines (Left - Right): 11,9,6,3,10,8,5,2,7,4,1

Bearing to the centre of EOWDC: 69.44°

Location Plan - 1:50,000 scale



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# LDĀDESIGN

PROJECT TIT

EUROPEAN OFFSHORE
WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 23: Murcar 8th Tee - Scenario 3

ISSUED BY Oxford T: 01865 887050

DATE 17 July 2012 DRAWN SG

SCALE@A1 NTS CHECKED SD

STATUS Final APPROVED AJ/WW

DWG. NO. 3336\_105

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### LEGEND

Row A: 158m blade tip \ 90m hub Row B: 185.25m blade tip \ 102.5m hub

Row C: 198.5m blade tip \ 120m hub

VIEWPOINT INFORMATION

Grid Reference: 399298, 821276

Camera Height (AOD): 19.42m

Viewer Height: 1.6m Viewing Distance: 435mm

Angle (width): 60°, turbines occupy - 26°

Camera & Lens: Digital SLR, 50mm

27/04/2012 13:00 Photo date / time: 5.26km, T11

11,10,9,8,7,6,5,4,1,2,3 Turbines (Left - Right):

Bearing to the centre of EOWDC: 169.57°

### Location Plan - 1:50,000 scale

Nearest turbine:



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# LDĀDESIGN

EUROPEAN OFFSHORE WIND DEPLOYMENT CENTRE

DRAWING TITLE

Figure 105:

Visualisations: Zoning Scenarios

Viewpoint 28: Menie Estate (back nine) - Scenario 3

ISSUED BY Oxford T: 01865 887050 DATE 17 July 2012 DRAWN SCALE@A1 NTS CHECKED **STATUS** APPROVED AJ/WW

DWG. NO. 3336\_105

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