



Environmental Impact Assessment Report

Volume 4

Appendix 10.13 Onshore substation shadow study

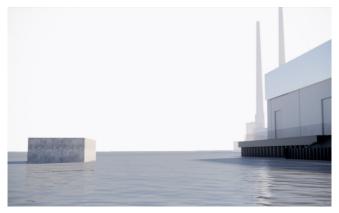


1.1 SHADOW STUDY

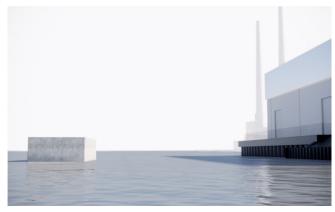
The CDL Dolphin is a tern breeding ground located to the north of the site. The tern breeding season is between April to August. In order to determine any potential shading to the dolphin cast by the new substation buildings, a shadow study was carried out.

The study was carried out assessing the shadows cast by the substation buildings during three times of the day: 9am, 12pm and 3pm, at three months of the year: March (before breeding season begins), June (midsummer) and September (after breeding season).

The study illustrates two perspectives, one at eye level close to the CDL Dolphin, and a second aerial view from above.



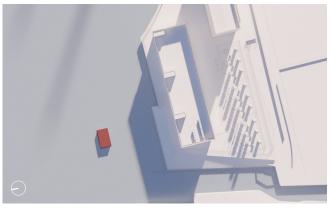
9am 21st March / 21st September



12pm 21st March / 21st September



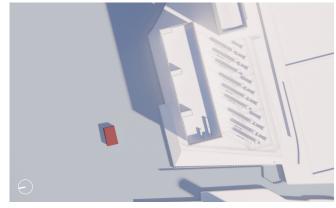
3pm 21st March / 21st September



9am 21st March / 21st September



12pm 21st March / 21st September



3pm 21st March / 21st September



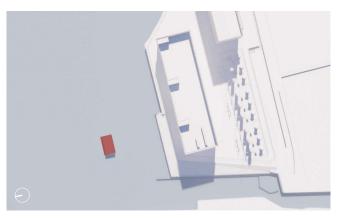
9am 21st June



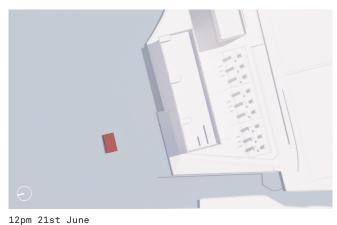
12pm 21st June



3pm 21st June



9am 21st June





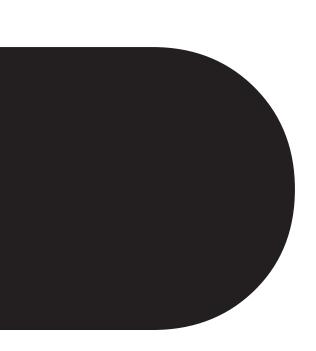
3pm 21st June

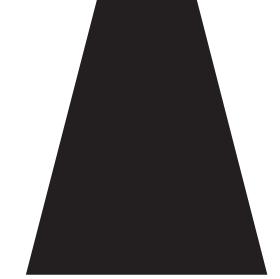
1.2 CONCLUSIONS

The CDL Dolphin is a tern breeding ground located to the The study found that there is no shadow cast on the CDL Dolphin during breeding season.

CDL Dolphin

FAULKNERBROWNS ARCHITECTS





FaulknerBrowns Ltd. 44 Leeson Street Lower, Dublin, 2, D02E299

+353 1 574 6388

info@faulknerbrowns.com
faulknerbrowns.com

FaulknerBrowns Ltd. is a limited company registered in Ireland. Registered number 713956 Registered Office: 44 Lower Leeson Street, Dublin, D02 E299.

