



GALLOPER WIND FARM DREDGE

Land & Water was employed by client Innogy Renewables UK Ltd as part of the construction of an Operations and Maintenance Base at Harwich International Port on the River Stour in Essex.

When completed, the Operations and Maintenance Base will provide a base of vessels servicing the new 336MW Galloper Windfarm, located off the Suffolk coast.

Project Delivery

- As Principal Contractor, Land & Water provided a Backhoe and WID dredging method to dredge 14,000 m³ from the berth pocket for the new windfarm vessels to access.
- Making use of Land & Water's vast range of specialist and bespoke plant, we provided a ZX670 long reach excavator on a pontoon with spud legs which allowed the area to be dredged to -3 CD at the site. This required the full reach of the excavator in this tidal situation. The excavator was fitted with a 5.2M³ bucket.
- Accurately forming side slopes and the required profile using GPS dig systems vessel positioning was achieved. This gave experienced Operators real time OS grid and level datum. The volume of material was removed and loaded into a 2,000 tonne dumb 'split hopper' and taken by a sea going tug to the designated sea disposal area at the Inner Gabbard East site.
- Land & Water was required to work in line with the MMO license. Therefore pre and post dredge surveys were carried out.



Project Particulars

- Client: Innogy Renewables UK Ltd
- May – June 2019



PROJECT
VALUE: **£511,367**

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www.land-water.co.uk

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