



Case study

Wikinger OWF Boulder clearance

Iberdrola/Scottish Power Renewables



Scope of work

James Fisher Marine Services were contracted to perform a Boulder Clearance run along all 70 WTG locations on Wikinger OWF, in order to clear the defined spudcans and interaction areas of the IV ghosting primary positions from existing seabed surface for Boulders of above 0.50m height. These operations were carried out based on the seabed geophysical/geotechnical survey reports and meteocean data provided by Scottish Power.

Client Location

Iberdrola/Scottish Power Renewables Offshore Germany

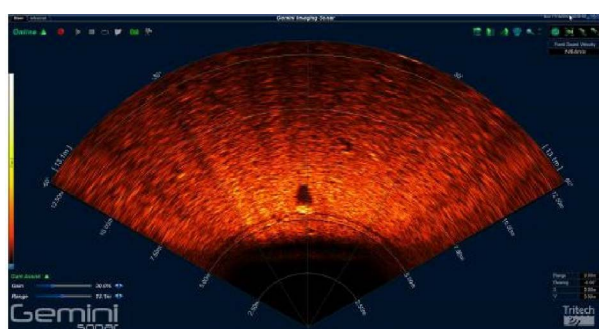


ROV image of boulder in situ

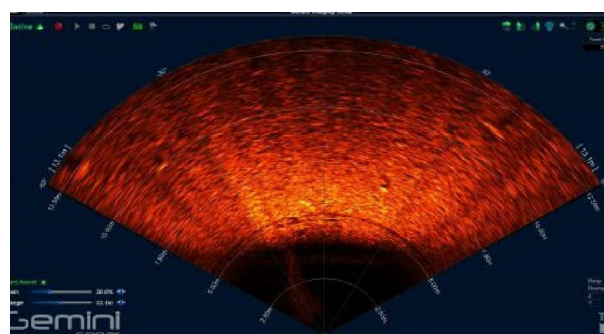
Outcome

The Boulder Clearance operation was performed along the following parameters determined by the Client:

- Standard penetration depth, 0m.
- Identification of Boulder positions with the use of RTK equipment.
- Relocation of Boulders starting from 0.50m height above seabed and located within the Installation Vessel spudcans and interaction area.
- Relocation of Boulders starting from 0.50m height above seabed and located within the Installation Vessel spudcans and interaction areas within the biotopes areas according to the BSH requirements.
- Tracking of each boulder relocation operation from their original position in a log file, including video if required by the Employer or BSH.
- Final detailed reporting of the Boulders relocation.



Pre-grab



Post-grab