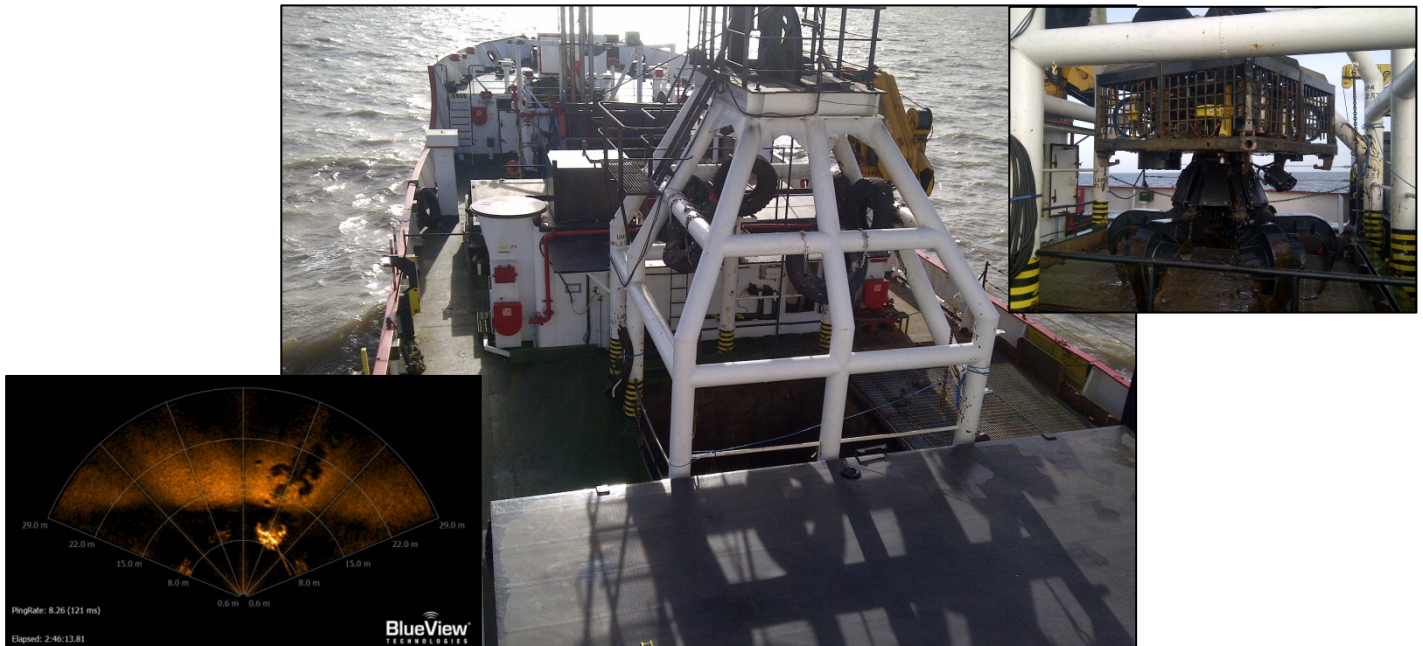


# Boulder Clearance

## Humber Gateway Offshore Wind Farm

OFFSHORE & INSHORE DIVING SERVICES TO PUBLIC, PRIVATE, FRAMEWORK AND ENERGY CLIENTS WITHIN THE INSHORE/INLAND, MARINE RENEWABLES & OIL & GAS SECTOR



Date:

Oct 2013

Programme Duration:

263 Days

Project Number:

313089

Client:

E.ON Climate & Renewables

Principal Contractor:

E.ON Climate & Renewables

### Overview:

Red7 was contracted by E.ON Climate & Renewables to conduct boulder clearance operations of the foundation locations and array cable routes at the Humber Gateway offshore wind farm site in preparation for construction activities to commence.

### Description:

The clearance operations were conducted from the 'Atlantic Explorer'. A full survey package complete with BlueView imaging system was used to locate the rocks on the seabed. A 20tonne capacity remotely operated grab equipment (ROGE) was deployed through the vessel moonpool by a purpose built LARS and TMS which was used to relocate each item to a designated area away from the construction zone. Using a BlueView technology each boulder grab and release was watched in real-time and also recorded for later viewing.

Operations were conducted on a 24hr basis with 900+ targets relocated by the end of the campaign.