

CUSTOMER REFERENCE

IND/2020/002



SECURE POWER FOR THE CONVERTER PLATFORMS OF DOGGER BANK WIND PROJECT DELIVERED BY AIBEL

Aibel, a Norwegian EPC specialized in off-shore industries, has chosen AEG Power Solutions [Protect 8 UPS](#) and [Protect RCS](#) rectifiers to secure power on the converter offshore platforms which they build for the Dogger Bank wind farm in the North Sea.

The final customer is Equinor and SSE Renewables consortium, which is developing the Dogger Bank offshore wind farm, on the Eastern coast of England. Dogger Bank wind project will have a combined capacity of up to 3.6 GW, and it is expected to produce enough energy to power the equivalent of 4.5 million UK homes, making it the largest offshore wind farm worldwide.

Aibel will deliver two HVDC (High Voltage Direct Current) converter platforms (converting AC power generated by the wind turbines to DC for easier transportation to the shore) for the Dogger Bank A and Dogger Bank B projects. AEG PS systems are securing power respectively for the control process of the conversion operation (AC systems) and the switchgear (DC systems). The solution includes two Protect RCS 110TPRE1200 rectifiers, two Protect 8 inverters 60KVA, distribution cabinets and batteries on racks. Both systems have proven track records of successful operation in the toughest environment.

AEG PS were chosen thanks to the engineering support they were able to provide at early stage in the design of the solution and to the proven track-records in offshore applications.

CUSTOMER INFORMATION

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| EPC | Aibel, Norway |
| End customer | Equinor, Norway SSE Renewables Consortium, UK |

PROJECT DETAILS

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| Location | UK |
| Application | Off-Shore Wind Park <ul style="list-style-type: none"> • 3.6 GW capacity • 3.5 MWp PV power, 10,680 solar panels • 2,4 MW backup generators • 8,1 MWh battery energy storage |
| Products AEG PS | 2 x Protect RCS TPre rectifiers 2 x Protect 8 INV 60 kVA inverters Distribution Cabinets Batteries |