



Offshore Wind Turbine Maintenance Specialist



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Corroded and damaged Met Mast at Scroby Sands, Great Yarmouth.

Project Information - Met Mast Restoration

Met mast off the coast of Great Yarmouth, Scroby Sands. Due to corrosion and mechanical damage to access ladders, a tender was awarded to Abfad Limited by E.ON Climate & Renewables UK Ltd.

Project was to fabricate new ladder sections and eight clamps, blast clean the structure to SA2.5 and apply a protective coating, remove existing damaged ladder sections, install new clamps, tighten using Hydratight hydraulic equipment, then install new ladders to structure.



Detail of extent of corrosion to steelwork below main walkway section after blasting works completed.



Blasting corrosion on underside of walkway and top section of Met Mast structure using rope access techniques.



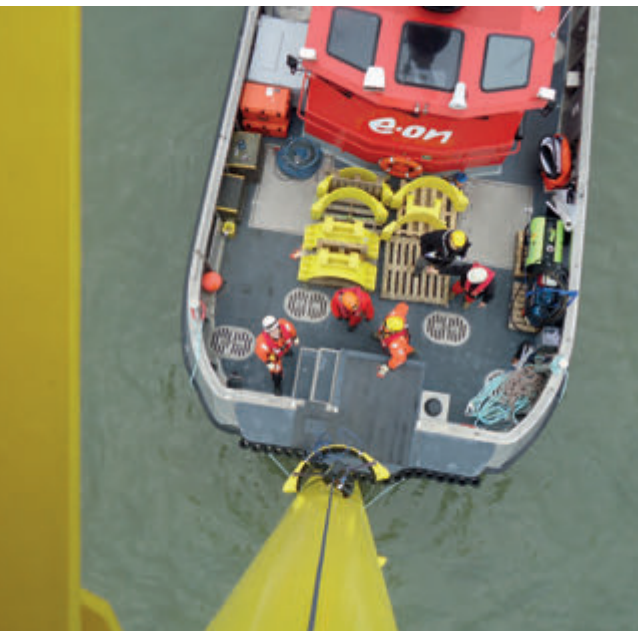
Blast operations to Met Mast stem using rope access techniques and Abfad's patented magnet system used to hold the operative in position during blasting.



Spray coating steelwork after blasting completed.



New ladder sections and clamps were fabricated, to be installed once blasting and coating work completed.



New clamp sections on support boat ready for installation.



Installation of new ladder section, Abfad electric battery winch used to move and hold ladder section in place during installation.



Newly fabricated Clamp sections being installed by Abfad personnel using rope access techniques.



Trained Abfad personnel tightening clamps using Hydratight hydraulic equipment.

Once all work was completed, NDT inspections on the Mast were carried out during another visit. This included the tightening of all bolts on the structure.



Abfad personnel performing finishing touches and final checks on Met Mast at Scroby Sands, Great Yarmouth.



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