

NORTH CELTIC SEA SURVEY: A GREEN REBEL'S HYDROGRAPHIC, GEOPHYSICAL AND GEOLOGICAL CHARACTERISATION PROJECT

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Abstract

To face the undergoing climate and energy crises, Irish Government planned to develop a significant network of offshore wind infrastructures. Since last March, Green Rebel started surveying the North Celtic Sea area, awarded to the offshore wind developer Energia. This comprehensive survey utilises an array of different geophysical sensors to generate distinct datasets, that after processed and analysed, will provide a complete characterization of the seabed and subseafloor. The life of a surveyor onboard of an offshore survey vessel is full of ever evolving challenges, which defy personal and professional skills but also provide reward, technical knowledge and personal development.

Keywords: *Hydrography, Offshore Wind Power, Geo-physical Survey*