

IMarEST Seminal Metocean Procedures Guide

The Institute of Marine Engineering, Science & Technology (IMarEST, UK) has published a seminal Metocean Procedures Guide which is the first of its kind. Developed by the IMarEST's Offshore Renewables Special Interest Group, the guide highlights the meteorological and oceanographic (metocean) information required to support all phases of an offshore renewable (OR) energy project, through development and construction to ongoing operations and maintenance.

The guide is a tool for all those involved in offshore renewables, including project managers, structural engineers, surveyors and logistics personnel based within offshore renewable companies or support organisations and contractors.

Zoe Roberts, Senior Metocean Analyst at Vattenfall Wind Power (UK), commented that the Metocean Procedures Guide provides a concise strategy for ensuring that metocean is not neglected early in the project lifecycle, thus avoiding headaches in design, construction and operation later on.

Metocean is a technical engineering discipline that originated in the oil and gas sector in the late 1970s and is equally applicable to the OR sector. Metocean is primarily concerned with quantifying the effects of weather and sea conditions (specifically wind, wave, current and water level) and more broadly on the physical aspects of the water column (such as conductivity and temperature). The document draws on a breadth of experience gained from offshore wind developments on fixed structures, but the majority of the information can also be applied to emerging technologies, including floating wind, wave and tidal. Although it draws primarily on UK experience, the procedures described may be applied in other parts of the world taking into account relevant local standards.

As well as discussing metocean strategy, data sources and management and metocean standards, the documents includes a concise list of references, applicable standards and a glossary of terms.

<https://www.hydro-international.com/content/news/imarest-seminal-metocean-procedures-guide>
