The marine environment can be volatile, with the weather having a huge impact on offshore operations. Planning is essential to ensure that marine operations can be conducted safely and economically. Having knowledge of historical weather characteristics is therefore vital throughout the lifecycle of a marine development.
LOOKING BACK TO PLAN AHEAD
Whether you require information for a tender proposal, plant selection, design, installation or maintenance, we can provide you with a range of global information. From measured or modelled metocean data, to bespoke analysis and innovative reports we can work with you to understand your requirements.

Our close involvement with the marine industry means we understand the increasing demand for more accurate historical data. Recently, we have invested in enhancing our high resolution model, to provide you with a validated homogeneous metocean database.

WHAT’S HAPPENING WHERE?
We can provide general descriptions of environmental conditions at sites across the globe, using frequency analysis. Sourced from an extensive database of information, our data has underpinned applications including environmental atlases and the UK Hydrographic Office routing charts.

HOW WILL WEATHER AFFECT MY OPERATIONS?
Knowing how your operations may be affected based on past weather is essential for planning, asset management and cost saving. We can provide tailored assessments of operations for your likely downtime and operational success rates. Based on your defined weather parameters, thresholds and durations, we can also provide you with valuable information to increase efficiency, safety and understanding – and reduce operational costs.

HOW WILL THE WEATHER AFFECT MY DESIGN?
To determine the feasibility and support the design as well as installation of offshore structures, we offer a full metocean design criteria service which complements our range of operational and planning statistics. The most relevant data sources, frequency analyses, extreme conditions and associated parameters are estimated using specialist statistical techniques.

For more information on how our historical metocean data can help you with your planning and operations, call 0870 900 0100 or email marine@metoffice.gov.uk

For international enquiries, please call +44 (0) 1224 629805.