



Offshore Weather Services

Marine and Energy Weather Forecasting Specialists

Weather Forecasting for the Energy Industry

For energy production, whether land based or offshore, the most efficient and cost affective use of resources can only be fully realised if advance knowledge of wind, weather and wave conditions is considered. The payoffs in scheduled production increases or load shedding provide opportunities for substantial cost savings.

Technical Resources

OWS utilises the latest forecasting technologies and techniques to ensure sophisticated forecast products are delivered in a timely manner to our clients.

- Global atmospheric models from all major meteorological agencies in the world are used to drive our in-house latest generation wave model, producing independent wave model output for the region. High resolution nested models are produced for shallow water areas integrating bathymetry and shoaling affects.
- Model output is normally generated at hourly intervals but may be reduced to less if required.
- Real time high resolution satellite imagery from geostationary satellites is used to determine the position and intensity of Tropical Cyclones, squalls and other severe weather events.
- Real time data utilised includes worldwide bulletins, surface weather reports from land and ships, metocean buoys, upper atmospheric reports, client observations, weather radar and scatterometer imagery depicting ocean wind and wave conditions.
- Data is assimilated and analysed by experienced marine meteorologists, giving the most complete and comprehensive picture of the weather affecting your operations.

A Wealth of Experience

OWS has the experienced personnel and resources to ensure the most accurate weather forecasts are received by client operational staff.

- Assistance with daily planning and advice for critical 'go/no go' decisions.
- All duty forecasters have shore based and marine forecasting experience of at least 20 years in Asia and Australasia, with offshore experience in these and other parts of the world.
- The combined forecasting experience totals more than 100 years and over many areas of the world, including the North Sea, the Mediterranean and Gulf States, India, Southeast Asia, Australia, Africa, the Atlantic Ocean and the Antarctic.
- Our on site meteorologists provide up-to-the -minute predictions and briefings during critical and weather sensitive projects.

All coastal and offshore operations benefit from accurate and timely weather forecasting.



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An Integrated Weather Forecasting Service

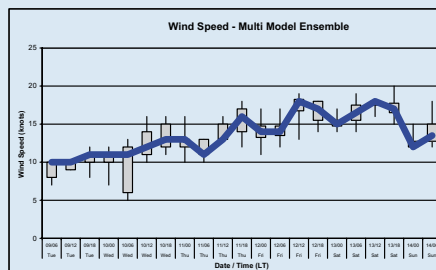
OWS provides:

- Accurate and timely forecasts for the offshore and energy industries.
- 24 hour access to experienced meteorologists, remote or on location, who fully understand the requirements of your industry.
- Detailed weather briefing and consultation with operational personnel during critical operations.
- Demobilisation / mobilisation advice during Tropical Cyclone threats.
- Consultation during planning stages of your operation, assisting in development of procedures for Tropical Cyclone threats and other extreme weather events.

Products include:

- Text and graphic presentation of wind, wave, swell and weather conditions for specific offshore and coastal locations tailored to client requirements.
- 4-5 days site specific or tow route forecasts.
- 5-10 day guidance forecasts and 10-15 day extended outlooks.
- Tropical Cyclone analysis and forecast tracks.
- Synoptic analysis and prognosis wind and wave charts and satellite imagery specific to your operational area.
- Ensemble forecasts — short and medium range for improved risk analysis.
- Detailed studies of wind, wave and weather conditions for design criteria and estimates of weather effects and downtime.

Offshore Weather Services has a greater depth of experience in both meteorology and offshore operations than any other weather forecasting company in Southeast Asia and Australasia.



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Technology and Experience

The Right Combination