

Metocean Services

Environmental Intelligence to Reduce Downtime, Increase Safety, Control Risks, and Decrease Costs

What is Metocean?

Metocean encompasses detailed analyses of meteorological and oceanographic conditions for prudent design, planning, and operations.

Why is it important?

Understanding the range and frequency of Metocean conditions that can impact your site or business allows for informed decision making and better utilization of resources.

Understand the environment of your business

A Metocean study defines the conditions that can impact your site or project.

Knowledge of the range, distribution, and frequency of Metocean parameters, such as wind, waves, and current, can advise prudent decisions regarding structural design and project planning, as well as defining operational limits- which all have an influence on overall cost.

Whether offshore or onshore, Metocean Study products such as extreme value analyses, weather windows, rose plots, joint frequency tables, and distributions can answer critical questions surrounding the engineering, scheduling, and operability of a project or activity.

Health, Safety, and Environment are primary concerns that Metocean Studies helps address. Risks are better managed through the environmental intelligence provided in a Metocean Study, resulting in lower HSE exposure.

Design

- Design basis/FEED
- Site characterization
- Material selection
- Effluent and discharge tendencies
- Environmental loading
- EIA/EIS
- Risk assessment

Planning

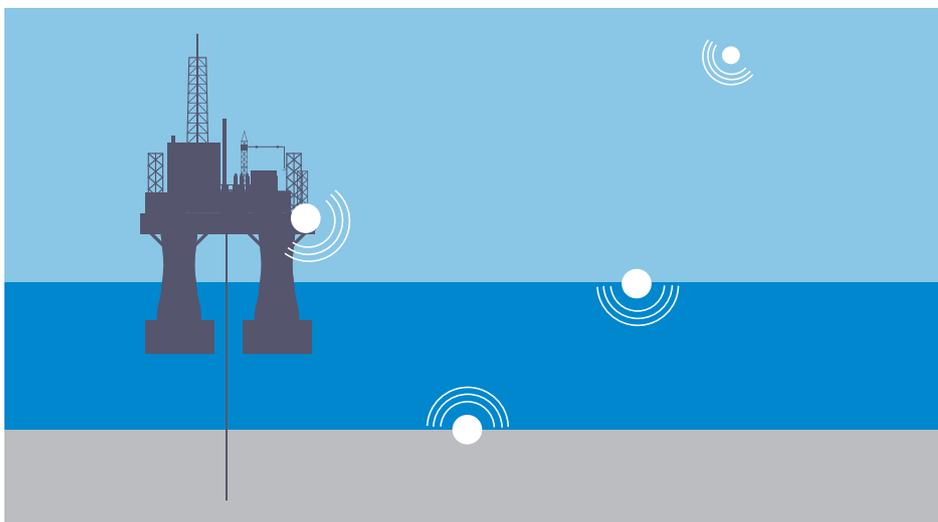
- Productivity forecasts
- Logistical planning
- Understand seasonality
- Scheduling
- Uptime estimates
- Contingency planning
- Permitting

Operations

- Weather windows
- HSE management
- Project/activity execution
- Regulatory compliance
- Operability
- Personnel/asset movements
- Asset integrity, fatigue

OceanWatch

OceanWatch provides instrumented data-gathering solutions to characterize locations, improve forecasting, and provide operational support. From simple meteorological stations to complex deepwater moorings, StormGeo's OceanWatch can develop solutions to meet your measurement objectives and budget. We provide turnkey solutions that not only include the system design, installation, and commissioning, but also the data management and web portal display.



OceanWatch Features:

- Site survey
- Equipment specification and provision
- System integration
- Installation/deployment
- Continuous QA/QC
- Near real time data delivery
- Data-driven reports, web portal, and data services
- Periodic maintenance programs
- Decommissioning

OceanWatch Systems:

- Metocean buoys
- Seafloor moorings
- Mid-water column monitoring
- Platform-mounted meteorological stations
- Land-based meteorological stations
- Platform-mounted current meters
- Ocean transects

Enhance your Metocean experience

When coupled with an OceanWatch solution, Operational Weather Forecasting becomes tuned to your location's specific conditions and the result is better forecasts. Add on Loop Current/Eddy monitoring for your deep water Gulf of Mexico operations to stay informed of potentially crippling currents. Learn more on stormgeo.com



Quality /
Reduce Costs While Staying Safe /
User Friendly

StormGeo's Offshore Weather Forecasting provides advanced, flexible and continuous decision support to offshore operations anywhere in the world. We have supported thousands of offshore projects in locations worldwide, accompanied by millions of point forecasts.

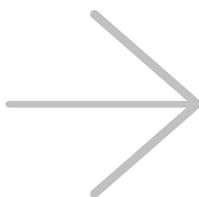
Our Offshore Weather Forecasting solution uses the best global meteorological models, which we enhance with regional, in-house, high-resolution models. An international team of meteorologists and researchers oversees and validates all forecasts. Experts are always available, day and night, worldwide to answer any customer inquiries.



Operational Relevant /
Expert Analysis /
Impacts Explained

StormGeo's Loop Current/Eddy monitoring and forecast service provides vital operational support to activities in the Gulf of Mexico. The evolution of the Loop Current and associated eddies are continuously monitored by our team of experienced Loop Current/eddy forecasters.

We consider multiple data sources including satellite imagery, in-situ observations, and numerical models to expertly assess the locations of the feature boundaries. Each report includes a discussion of the present situation and guidance on how the Loop Current and eddies may progress over the coming days to weeks- all written in plain language.



Let StormGeo Be Your Metocean Department

Many industries don't regularly maintain Metocean expertise in-house and for those that do, the trend has been to reduce costs through staff-reductions and outsourcing. We can fill this gap by providing on-demand Metocean Consultancy.

1,380
assets

served every day

78,000
forecasts

issued every month

About StormGeo

For nearly two decades, StormGeo has put into practice an in-depth knowledge and understanding of our customers' work environments to provide solutions that give them a competitive advantage.

An advanced weather forecast company, StormGeo is the trusted partner for companies who require decision support for weather sensitive operations. We are one of the largest and fastest growing providers of professional weather services.

Our customers operate in changing environments onshore, offshore, in air and at sea. We staff seven forecast centers worldwide, and have earned a reputation in the industry for high-quality forecasts,

commitment to innovation through extensive research and development, and exceptional customer service.

Being ISO 9001:2008 certified since 2007, we value competence and quality, inspiration and innovation. We are proud to serve our customers around the clock and around the world with 400 of the brightest minds in the industry. Our majority shareholders are EQT and DNV GL.



Visit us at
stormgeo.com