

“Where will our knowledge take you?”

Ambient and Extreme Climate Information to Aid Operational Planning & Structural Design

BMT ARGOSS provides ambient and extreme Metocean criteria and associated consultancy services. We have a team of experienced Metocean specialists and extensive in-house capabilities in applied oceanography and meteorology, numerical modelling, satellite remote sensing and data analysis. Our services aid in the planning of weather critical operations and the design of maritime structures, both in deep offshore provinces and shallow coastal areas.

BMT ARGOSS maintains an extensive suite of proprietary software for the quality control, statistical analysis, extreme value extrapolation and presentation of measured, modelled and satellite observed MetOcean data.

Wind and Wave Data Quality Assurance

BMT ARGOSS maintains an extensive inventory of in-house global and regional MetOcean hindcast databases. To assure high data quality we operate state of the art models that are rigorously calibrated and validated using satellite observations and in-situ measurements.

- Our global dataset of Metocean information includes:
- High quality in-house wind and wave data from 1992 onwards
- Detailed tidal models developed in-house
- Access to state of the art high resolution ocean circulation models
- Over 25 years of satellite measurement data

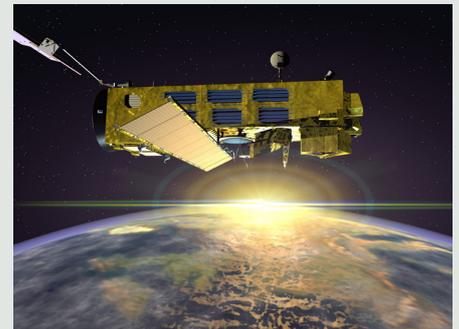
Near shore and shallow water conditions

As waves approach the shore line or enter shallow water areas their behaviour changes. To account for such changes BMT ARGOSS uses reliable models to transform offshore wave spectra to near shore / shallow water sites of interest.

Using our experience, in-house historical MetOcean databases, tailored numerical modelling and data analysis expertise, BMT ARGOSS has assisted in enabling the optimal design of vessels, offshore structures and coastal facilities all over the world.



To accurately assess the conditions that a structure has to endure, a thorough approach is essential.



Globally available measurement data from satellites is used for validating and calibrating model data.