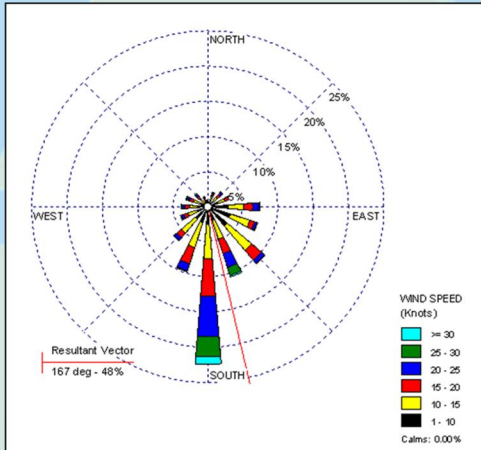


“Where will our knowledge take you?”

General Port and Harbour Engineering

Port Marine Design Criteria



“ The wealth of knowledge and experience possessed by BMT JFA in the design and operation of port and harbour projects enables the company to deliver unrivalled service in the formulation and assessment of marine design criteria. ”

For any port marine project a clear and comprehensive set of functional and performance criteria is essential to guide the design process, inform other project disciplines and ensure consistency across the project to ensure that project goals are met. BMT JFA can develop documentation for the Basis of Design encompassing summary of key meteorological, oceanographic and geotechnical conditions for the port site, design vessel characteristics, loads on structures, key functional requirements for facilities, battery limits and codes and standards for design compliance.

The Basis of Design is developed

in close liaison with the client and stakeholders. Where required, BMT JFA can scope and organise site works, data analysis or studies to determine appropriate design criteria to ensure structures meet performance and design life requirements.

Key Capabilities

- Design codes and standards for port marine structures
- Specialist maritime design criteria
- Analysis of metocean data.

Related Projects

- Oakajee Port Development
- Cape Lambert Tug Harbour studies
- Albany Port Expansion.

Services Offered

- Development and documentation of port marine design criteria
- Data review, planning and management of investigative studies
- Determination of breakwater design wave conditions and damage criteria from site metocean conditions.

