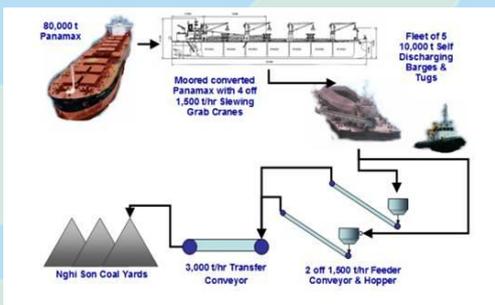


“Where will our knowledge take you?”

General Port and Harbour Engineering

Barging and Transhipment Studies



“ From strategic high-level review, to options appraisal, concept design and feasibility studies, BMT JFA has the necessary in-house expertise to evaluate the onsite conditions, identify the constraints and provide expert advice and recommendations on how to progress transhipment operations. ”

Barging and transhipment is increasingly being looked to as an alternative method for enabling export of large quantities of iron ore and other commodities such as coal, bauxite and bulk mineral concentrates. This can be due to lack of nearby port capacity or prohibitive distance to established port or harbour facilities. The characteristics of the local physical coastline may also dictate that it is very difficult to get large bulk carriers (particularly of Panamax dimensions and above) into berth close enough to the coastline to use jetty or wharf based shiploaders. This is where the use of barges and transhipment techniques can present a cost effective and operationally viable alternative solution.

BMT JFA has considerable experience in the costing, review and design of transhipment operations. From strategic high-level review, to options appraisal, concept design and feasibility

studies, BMT JFA has the necessary in-house expertise to evaluate the onsite conditions, identify the constraints and provide expert advice and recommendations on how to progress transhipment operations.

Key Capabilities

- Development of conceptual, preliminary and detailed designs
- Assessment of project capital and operating costs
- Barging simulation studies
- Tender preparation management and evaluation
- Construction management and site supervision
- Conditions assessment and asset management.

Related Projects

- Nghi Son 2 Port Concept Study
- Port Bonython, Whyalla, South Australia - Barge/ Transhipment Study
- Transhipment Feasibility Review - NW Western Australia
- Toliara Port, Madagascar - Barging Option Study.

Services Offered

- Identification of likely project constraints, including anticipated environmental conditions
- Review and assessment of available site data to assess requirements for additional data collection
- Design and management of metocean survey programs to assist with site assessment and modelling studies.