Albany Port Expansion Project
Southdown Joint Venture / Grange Resources & Albany Port Authority

The scope of work for the Southdown Magnetite Project involves a major upgrade of the Port of Albany, including dredging a 10 km long navigation channel and construction of a new load out jetty involving reclamation and seawalls.

Grange Resources Limited is a Western Australian based mining and exploration company. Grange are proposing to mine the Southdown Magnetite deposit located approximately 90 km northeast of the Port of Albany on the south coast of Western Australia. The magnetite concentrate slurry will be pumped approximately 100 km to a concentrate storage facility at the port of Albany before being loaded on to Cape size vessels and shipped to an iron ore pellet plant located in South East Asia.

At Albany Port, construction of a new berth is required along with reclamation of land to accommodate a concentrate storage facility and ship loading infrastructure. Widening of the existing shipping channel into Princess Royal Harbour and extending the channel into King George Sound is also proposed to facilitate the access of Cape size vessels.

BMT JFA Consultants (BMT JFA) has been appointed to manage all aspects of the marine component of the Southdown Magnetite Iron Ore Project. The scope of work involves a major upgrade of the Port of Albany, including dredging a 10 km long navigation channel, new seawalls and reclamation as well as a Cape ship load out wharf.

BMT JFA Role
- Management of all aspects of the port marine components
- Management of the detailed design and procurement processes
- Overseeing site investigations
- Expert advice and reviews
- On-site contract management

Services & Expertise Provided
- Overall project management
- Concept & detailed designs
- Site investigations
- Procurement and contract management
- Site management
- Metocean data collection
- Port planning and development
- Port marine design criteria
- Geotechnical and UXO investigation management
- Wave monitoring and wave attenuation modelling
- Preliminary, feasibility and detailed design of all marine facilities for the project
- Mooring and throughput simulation studies
- Dredge, disposal and reclamation studies.

Location
Albany, Western Australia
Date
2004 - Ongoing