

## Kwinana Bulk Terminal Upgrade

Mineral Resources completed the design and construction of a new product handling system at the Kwinana Bulk Terminal (KBT) on behalf of the Fremantle Port Authority. This new system has restored the nameplate capacity lost by aged and inefficient infrastructure.

SMP Engineering (SMP) provided a project crew of 20, complete with Superintendent, 2 Supervisors and a Project Engineer to support these works.

### Scope of Work

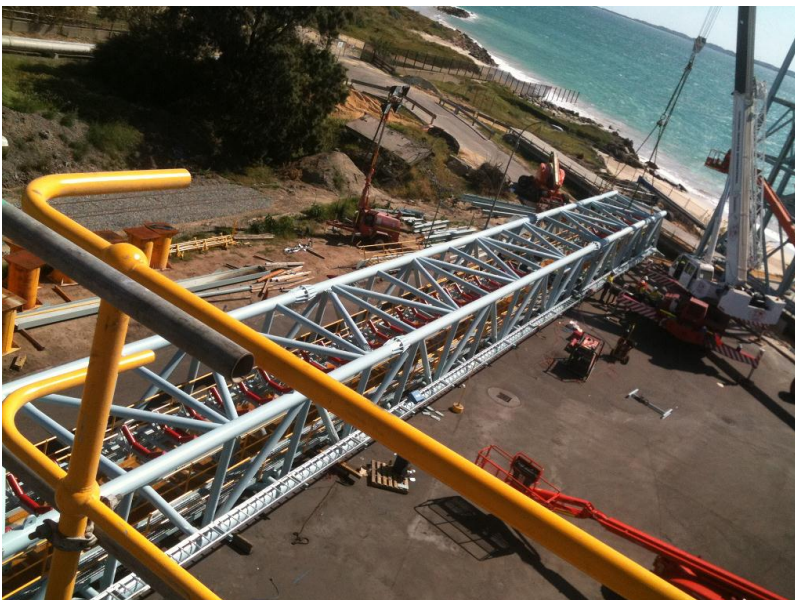
SMP was engaged to complete Structural and Mechanical installation works consisting of:

#### On Shore Works

- + Main feed conveyor (2km long)
- + Transfer Stations
- + Gravity take up towers
- + 1 off fully modularised super truss (62m long)

#### Wharf Works

- + Cable tray installation (800m long)
- + Heavy lifts for substation
- + Mechanical and conveyor belt speed upgrade
- + Removal and installation of drive and gearboxes



### Project Key Facts

#### Project Owner

Fremantle Port Authority

#### Project

KBT Upgrade

#### Client

Mineral Resources

#### Value

~\$44M AUD

#### SMP Scope

SMP Supervision, Crew and Engineering support

### Project Outcomes

- + 24 hour shift work
- + Critical path delivery
- + Over water works
- + MSIC compliance
- + Excellent safety outcome

*“The SMP crews work scope for our project presented several challenges in terms of location of tasks, the restricted/constrained areas to execute some tasks, and the accessibility factor to mobilise as well.*

*Considering the roster/shifts worked in a limited window to conduct the tasks, the heavy duty nature of the work scope, the teams achieved an excellent safety record with support from the Supervisors.”*

*Adrian Hoy – Mineral Resources Safety Department*

### Contact Us

Call the team at SMP Engineering for all your structural, mechanical and piping needs on 9412 8000. More project case studies can be viewed at [www.smpeng.com.au](http://www.smpeng.com.au)

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