

“Where will our knowledge take you?”

## Geraldton Port Enhancement Project

Geraldton Port Authority



“ The main dredging campaign (approx. value \$75 M) comprised some of the most difficult elements of any dredging campaign undertaken worldwide; approximately 4 Mm<sup>3</sup> of rock was dredged in extreme swell conditions from the exposed entrance channel using the largest self propelled cutter suction dredge in the world. ”



In 2002, the Geraldton Port Authority (GPA) embarked on a \$100 M upgrade program which included the dredging of approximately 5 Mm<sup>3</sup> of predominantly rock material from the 5 km entrance channel and basin.



The initial dredging works involved the removal of contaminated material (approximately 150,000 m<sup>3</sup>) from the basin with small cutter suction dredges and placing it in a lined disposal site. The main dredging campaign followed with the Cutter Suction Dredge (CSD) Leonardo Da Vinci (the largest CSD in the world at that time), involving the removal of rock materials from the channel.

Dredged material under this contract was dumped at 3 offshore sites in accordance with the approved Sea Dumping Permit.

Additional works carried out

during the project included navigation aid construction and installation, modifications to shiploaders, berths and outloading systems.

### BMT JFA Role

- Professional advice during the preparation of tender and contract documentation
- Planning of the works
- Site project management services for both the onshore and offshore works.

### Services & Expertise Provided

- Tender and contract documentation
- Commercial contract management
- Site project management
- Dredging of rock material
- Removal of contaminated material.

### Location

Geraldton, Western Australia

### Date

2002-2004