



WESTERFELD
engineering

Capability Statement

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Introduction

Westerfeld Engineering Pty Ltd was incorporated in Western Australia in February 1989 to expand engineering, contracting and supply services offered at that time by Westerfeld Technical Services Pty Ltd.

The Company operates its head office and workshop premises in the Jandakot area, adjacent to the Kwinana Freeway, allowing quick access to Perth City and adjacent industrial areas. The workshop has over 1,500 m² of floor space and is serviced by two 25T overhead gantry cranes. The yard has over 6,000 m² of hardstand laydown area with easy access for oversized loads.

Westerfeld Engineering also has a branch office and workshop in Pinjarra with similar facilities to the Jandakot premises. The Pinjarra workshop has one 10T overhead gantry crane but has quick access to large mobile cranes all available within close proximity to the light industrial area.

The company's operations is managed by a General Manager, operations managers, area supervisors, secretarial staff supported by highly experienced site and workshop based tradespersons.

Westerfeld Engineering offers a significant range of contracting, supply, consulting and management services to the bulk materials handling industry. Please refer to our website www.westerfeld.com.au for further details.

Westerfeld Engineering consistently generates sales in the order of \$15M to \$22M per annum, and is actively seeking to increase this by both consolidation of existing business units, and development of new niche market opportunities.

The services provided by Westerfeld Engineering consist of:

- Site erection, installation and commissioning.
- Programmed and emergency maintenance , including shutdowns
- Gear reducers and drive refurbishment
- Fixed pant rotational drive and equipment repairs
- Structural & mechanical fabrication and assembly.
- Fixed Plant upgrade and refurbishment.
- Engineering, detail design, and plant optimisation studies.
- Manufacture and supply of replacement parts.

The Company's services are currently utilised by major mining and materials handling organisations to assemble, erect, maintain and modify capital equipment, as well as by smaller organisations requiring dedicated design, manufacture and installation of purpose-built systems.

Client base include:

Alcoa Australia Ltd
South 32 – Worsley Bauxite Mine
BHP Billiton Iron Ore Pty Ltd
Rio Tinto
ThyssenKrupp Industrial Solutions (Australia)
Siemens Limited
Falk Australia Ltd

Reference list of Notable Project and Service Assignments performed by Westerfeld Engineering recently are as follows:

2012 to Present

ALCOA WORLD ALUMINA AUSTRALIA- PINJARRA

- Installation of 11km of Overland Conveyor, Relocation of Tertiary Sizer and Platform, Primary Jaw Crusher (650tne) and Tip Bridge from McCoy to Myara Mine Site. \$10.0M



- Relocation of Tertiary Sizer and Platform, Sizer Building and Primary Jaw Crusher (600tne) and Tip Bridge from McCoy to Myara Mine Site. \$3.0M



- Various maintenance, upgrade and emergency shutdowns for Alcoa at Huntly and Wagerup Minesites. Total value \$2.0 to \$3.0m.





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- Site Assembly of 2 x Stackers and 1 x Reclaimer for Thyssen Krupp at Jimblebar Western Australia, (BHP Billiton). \$12.5M



- Design and Manufacture Sizer Tooth Removal Machine for Pilbara Iron, Hope Downs 4 Project \$430,000.



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- Truck Loadout Facility at Boral Quarries, Wattle Grove, Western Australia. Halley and Mellowes . \$450,000.

DRIVE ASSEMBLIES AND REFUBISHMENTS FOR SIEMENS/FLENDER, BREVINI & FALK

- Pilbara Iron – Cape Lambert Assemble Drives \$220,000
- Various Drive Refurbishments and New Assemblies for ,Pilbara Iron, Siemens and Falk \$0.8M to \$1.1M



BHP - WORSLEY ALUMINA PTY LTD

- Various maintenance, upgrade and emergency shutdowns for Worsley at Boddington Bauxite Mine. Total value \$0.9M to \$1.2M.

2011

ALCOA WORLD ALUMINA AUSTRALIA

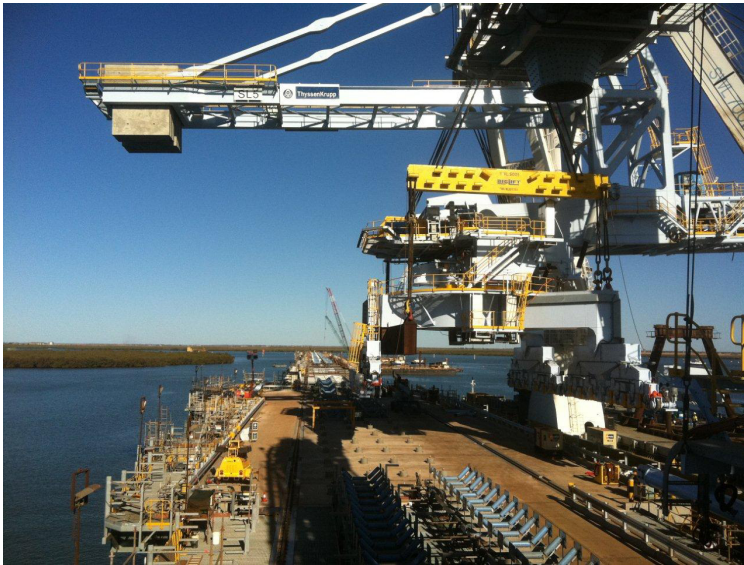
- Preliminary design and feasibility studies for Relocation of Crusher and Installation of 11km Conveyer at Myara. \$270,000.
- Various maintenance, upgrade and emergency shutdowns for Alcoa at Huntly and Wagerup Minesites. Total value \$1.3M to \$1.5M.



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- Site Assembly of Shiploader SL05 at BHP Port Hedland for Thyssen Krupp. \$1,2M
- Site Assembly of Shiploader SL06 at BHP Port Hedland for Thyssen Krupp. \$1.3M



DRIVE ASSEMBLIES AND REFUBISHMENTS FOR SIEMENS/FLENDER, BREVINI & FALK

- RGP6 BHP Billiton Port Drives- \$260,000
- RGP6 BHP Billiton Jimblebar Drives- \$220,000
- Various Drive Refurbishments and New Assemblies for ,Pilbara Iron, Siemens and Falk \$0.6M to \$0.8M



BHP - WORSLEY ALUMINA PTY LTD

- Various maintenance, upgrade and emergency shutdowns for Worsley at Boddington Bauxite Mine. Total value \$0.6M to \$0.9M.

2010

ALCOA WORLD ALUMINA AUSTRALIA

Various maintenance, upgrade and emergency shutdowns for Alcoa at Huntly and Wagerup Mine Sites. Total value \$1.5M to \$2.0M.

- Design and supply rock breaker and power pack mounted on primary crusher, \$300,000

BHP - WORSLEY ALUMINA PTY LTD

- Various maintenance, upgrade and emergency shutdowns for Worsley at Boddington Bauxite Mine. Total value \$0.8M to \$1.1M.

DRIVE ASSEMBLIES AND REFUBISHMENTS FOR SIEMENS/FLENDER, BREVINI & FALK

- 6500kw Telfer Mill Drive Gearbox Refurbishment
- RGP 5 BHP Billiton

OTHER

- Site Installation of Conveyor Modules for Useless Loop Port Upgrade Project, Shark Bay Resources, \$1.3M



2009

ALCOA WORLD ALUMINA AUSTRALIA

- Mill Liner Repairs , crack repairs to trunion flange joints, Pinjarra Refinery. \$300,000
- Various maintenance, upgrade and emergency shutdowns for Alcoa at Huntly and Wagerup Minesites. Total value \$1.5M to \$1.8M.

BHP - WORSLEY ALUMINA PTY LTD

- Design, Manufacture and Supply Two Secondary Impact Crushers for the Worsley Expansion Project. Boddington Bauxite Mine. \$1.2M



OTHER

- Design and Manufacture Sizer Tooth Removal Machine for Pilbara Iron, Yandi Upgrade Project. \$450,000.

DRIVE ASSEMBLIES AND REFUBISHMENTS FOR SIEMENS/FLENDER, BREVINI & FALK

- Pilbara Iron Gearbox Refurbishments – Cape Lambert
- RGP4 BHP Billiton

2008

ALCOA WORLD ALUMINA AUSTRALIA

- Stacker rope suspension tie rod replacement including design, Pinjarra Refinery. \$100,000
- Various fixed pant Integrity and Repair Inspection Reports at Alcoa sites. \$130,000
- Various maintenance, upgrade and emergency shutdowns for Alcoa at Pinjarra and Wagerup Refinery, Huntly and Wagerup Minesites, Total value \$1.0M to \$1.2M.

DRIVE ASSEMBLIES AND REFUBISHMENTS FOR SIEMENS/FLENDER, BREVINI & FALK

- 8000kw Boddington Gold Mill Drive Gearbox Refurbishment x 7No.
- Worsley Expansion Conveyor Drives
- Argyle Diamond Underground Expansion Conveyor Drives
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BHP - WORSLEY ALUMINA PTY LTD

- Secondary Crusher shuttle conveyor rail and wheel refurbishment and Primary Crusher replace jaw liner, grizzly deck and refurbish apron feeder gearbox. Boddington Bauxite Mine. \$230,000

OTHER

- Replace Car Positioner Wheels and Rails on Rack Segments at Cape Lambert, Pilbara Iron. \$300,000