

Some examples of completed projects by Alliance Engineering Group



**Client:** Ausenco Limited  
**Project:** Bemax Resources Mineral Separation Plant  
**Description:** Fabrication and installation of plant and equipment



**Client:** Basin Sands Logistics  
**Project:** Bemax Resources  
**Description:** Overhaul of 1100t mining dredge



**Client:** Pacific National  
**Project:** Rail Truck reconditioning  
**Description:** Full refurbishment of 130 rail trucks

**Client:** Barclay Mowlem  
**Project:** Redevelopment of Broken Hill Hospital  
**Description:** Supply and erect 280t of structural steel

**Client:** Far West Regional Development Board  
**Project:** Broken Hill South Mine head frame (Replica – full scale)  
**Description:** Supply and erect 75t structural steel

**Client:** Perilya Broken Hill Mine  
**Project:** No2 Tank cell project  
**Description:** Fabrication, pipe work, polyurethane lining and commissioning of tanks

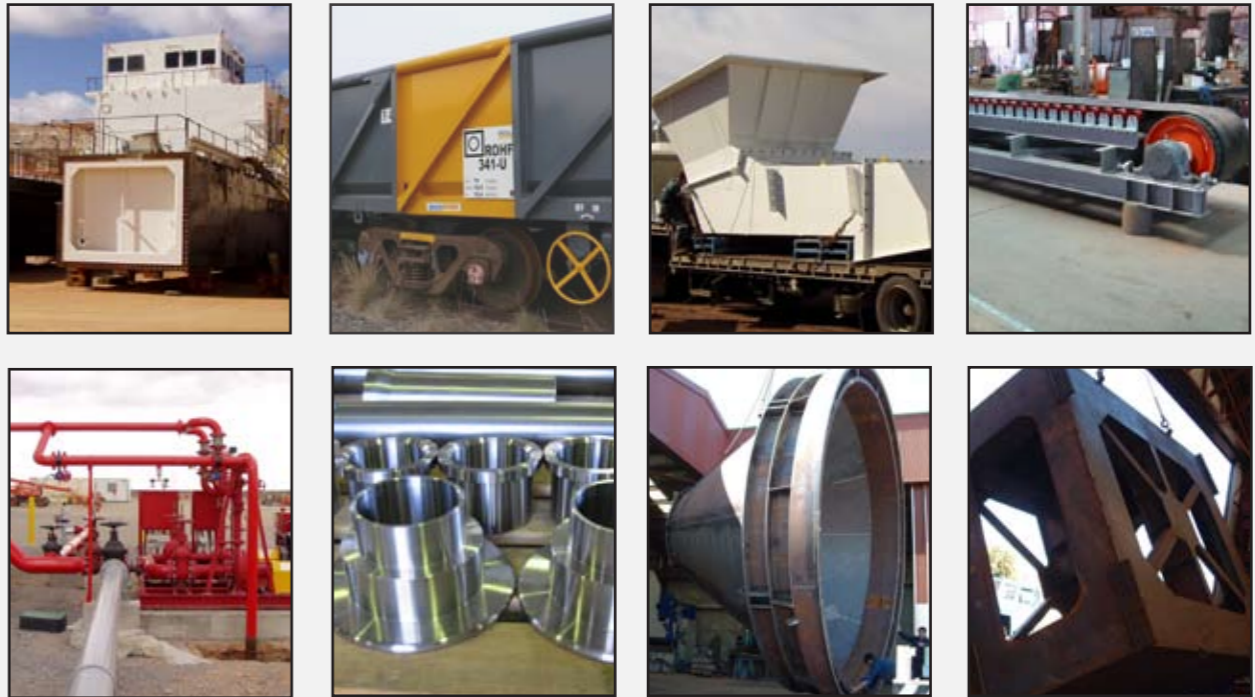


**Client:** Perilya Broken Hill Mine  
**Project:** Winder Drum refurbishment  
**Description:** Repair cracks and refurbish

**Client:** Roche Mining  
**Project:** Hunter Valley Coal  
**Description:** Various hoppers, chutes etc.



**ALLIANCE**  
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# ALLIANCE ENGINEERING GROUP

## Introduction

Alliance Engineering Group located in Broken Hill, consists of 3 highly experienced heavy steel fabrication, machining and supply companies:

**Lawrence Engineering** – Metal Fabrication

**Nejams Steel Supplies** – Metal Fabrication - Steel Supply

**Top Gear Engineering** – Metal Fabrication - Machining

Bringing our capabilities and capacities together allows Alliance to undertake large turn key projects, both within and outside of our region. Alliance's abilities are enhanced through extensive mining, rail, heavy fabrication and machining experience and are committed to addressing the skills shortage within our industry.

Alliance currently has a combined workforce of approximately 30 - 40 workshop personnel including: site supervisors, tradesmen, crane drivers, riggers, dogmen, industrial painters, grit blasters, apprentices and general labourers.

Alliance Engineering Group is striving towards ISO 9001 accreditation and currently operates with Quality Management and Quality Assurance procedures.

## Capabilities

Cooperation between the three manufacturing facilities enhances the ability to handle large scale, high volume projects whilst meeting time critical demands.

Alliance has a strong commitment to innovative manufacturing and has invested in the latest technology and equipment such as, a 500 tonne CNC press brake up to 7.2m capacity, a CNC lathe and a centre lathe 5.0m between centres with a 780mm swing. Importantly we have a single point of contact through our Operations Manager, enhancing communication between client and production.

## Services

Fabrication and erection of structural steel work

Refurbishment of rail wagons and specialised rail components

Fabrication and installation of tanks, bins, hoppers, chutes, launders, conveyors, gantries, walkways, handrails, cyclones and dust extractors

Stainless steel and aluminum fabrication

Installation of plant and machinery

Mechanical and hydraulic work

All facets of machining including portable line boring

Installation and alignment of pumps, motors and gearboxes

Surface protection, including grit blasting, industrial painting and galvanising



Bemax Dredge and Pontoons

## Key Features

- Press Brake up to 500 tonne x 7200mm
- Guillotines 4000mm x 16mm, Plate rolls 1800mm x 8mm, Folders 3700mm x 6mm, Punch and Shears 85 tonne capacity.
- Large capacity Bandsaws up to 500mm.
- Mig, Tig up to 450 amp pulse, Sub arc welders 1000amp, semi automatic welding machine plus numerous mobile models.
- Automated ID welding machine, Metal spraying facilities, Plasma cutters up to 40mm plate.
- Lathes up to 780mm x 5000mm, milling machines up to 1400mm travel-powered over arm.
- Horizontal boring and portable inline boring machines. Key slotting and broaching facilities.
- Radial arm drills up to up to 1500mm arm, No 5 Morse taper.
- 600lb Blast pots with enclosed blast room and recovery system.
- Mobile compressors 390cfm capacity, airless spray equipment.
- 40,000 psi hydro jet blasting.
- Extensive onsite equipment including welders, magnetic broaches, mobile slew cranes up to 50 tonne, 18 tonne rough terrain and 12 tonne yard cranes, scissor lifts, trucks and light vehicles.



Pacific National Ore Wagon Refurbishment