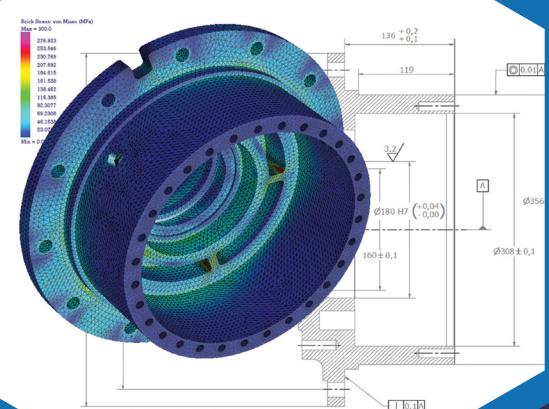


**ENGINEERS**



# **CAPABILITY STATEMENT**

## D&J Engineers Pty Ltd

**SUCCESS THROUGH INNOVATIONS**



## D&J Engineers Pty Ltd

### Who We Are

D&J Engineers Pty Ltd is Brisbane based mechanical and structural consulting company that provides a range of professional services including engineering design, analysis, RPEQ/CPEng certification support to diverse range of industries such as transportation equipment, lifting equipment, mining, earthmoving, material handling, industrial/commercial/retail, municipal/industrial wastewater treatment and chemical plants.



### Vision

To create a sustainable world through a true understanding of nature's dynamics.

### Mission

To develop innovative solutions inspired by nature's dynamics, promoting sustainability, balance, and harmony in every aspect of life and business.

## Our Team



**CPEng** - Chartered Professional Engineers

**NER** - National Engineering Register

**RPEQ** - Registered Professional Engineer of Queensland

**PhD** - Doctor of Philosophy in Mechanical Engineering

## Health and Safety

The Organisation's principle objective remains to provide all employees, contractors, clients and visitors with a work environment that is safe and free from hazards so far as reasonably practicable in adherence with current and relevant Australian occupational safety and health (OSH/WHS) Legal Obligations and other Requirements.

## Accreditations & Awards

- **Board of Professional Engineers QLD**
- **Engineers Australia**
- **National Engineering Registry**
- **Department of Transport and Main Roads QLD Approved Person Scheme**
- **DITRDCA-Australian Government ROVER- Test Facility Approval**





## Our services

# Mechanical Engineering



### Machine Design

**Transport equipment** – Road vehicles (Deck wideners, car transporters, tipper bodies, dog trailers, boat trailers)

**Material handling** – Conveyor systems, silos, pipe handlers, gear/shaft transporting frames, forklift attachments

**Earth-moving equipment** – Excavator buckets / tilt buckets, auto lock quick hitches/ tilt hitches, dump truck bodies, rippers

**Lifting equipment** – Gantry crane, jib crane, davit arm, crane runner way structures, spreader bars



### Design Analysis

Hand calculations, finite element analysis (FEA) and detail reports

Australian Design Rules (ADR) compliance reports for light and heavy vehicles.



### RPEQ, CPEng Certifications

Analysis is according to the requirements of Australian Standards, AS1418, AS4991, AS3990 and AS4100, etc.

RPEQ/ CPEng certifications for both new or existing designs and products.



### CAD/Drafting

Mechanical and structural detail drawings



3D/ solid modelling



### Compliance plates

All heavy and light vehicle modifications codes



### Research and Development



## Our services

### Structural Engineering



**Our structural services include assessments, design, detail design, completed drawing package, finite element analysis and documentation of,**

Mining and construction projects

Commercial development projects

Industrial development projects



#### Areas of expertise



- Structural design
- Concept design integration
- Foundation design
- Retaining structures
- Precast panel design
- Post tension concrete design
- Steel frames /platforms/ mezzanine floor
- Handrails/ balustrades
- Dilapidation reports
- Tilt-up designs
- Waste-water treatment plants
- Multi-story buildings

RPEQ/ CPEng certification, From 15 and Form 16 according to Australia Design codes AS1170, AS1657, AS3600, AS1554, AS4100, etc.



## Why Partner with Us

### What We Offer

**Innovative solutions**

**Fast Turnaround**

**Practical and Innovative Solutions**

**Direct Engineer Access**

**Competitive Pricing**

**Consistent Support**

**RPEQ Certified Team**

### How It Benefits You

Outcomes that are smarter, more reliable, and better suited to operational needs

Quick response and certification to keep your fabrication schedule on track

Value added designs that suit real-world fabrication and erection methods

Speak directly with our engineers – no admin layers

Transparent hourly or fixed-fee options for repeat clients

Long-term relationships built on reliability and trust

Fully insured and compliant for Queensland engineering works



## Key Projects -Mechanical Engineering



Nickle Pebble Ore Conveyor-Design, detail drawings, Design analysis and RPEQ certification

**Client - BHP Billiton**



Pipe Handler for Gas Pipelines-Design, detail design and RPEQ certification

**Client - Arrow Energy**



## Key Projects -Mechanical Engineering



Aubinville Wastewater Treatment Plant -Design, detail drawings, Design analysis and RPEQ certification

**Client – Pensar**



Aubinville Wastewater Treatment Plant -Design, detail drawings, Design analysis and RPEQ certification

**Client – Pensar**



# Key Projects -Mechanical Engineering



Gear transport frame - Design, detail drawings, Design analysis and RPEQ certification

**Client - Bryan Industries/BHP Billiton**



Side Tipper-Design, detail drawings

**Client -QMW /South 32 Mining**



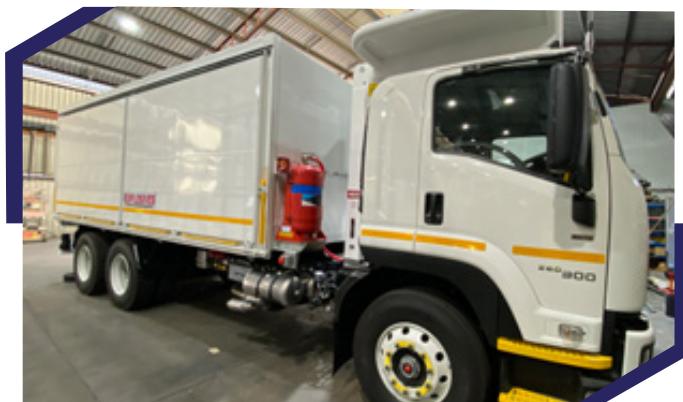
Blast Truck -Static Rollover Threshold (SRT) verification,

**Client -BMA - Saraji Mining project**



Deck widening tag trailer-Design, detail drawings, analysis and certification

**Client -FWR**



Explosives Carrier-Design, detail drawings and design analysis and certification

**Client -Orica**

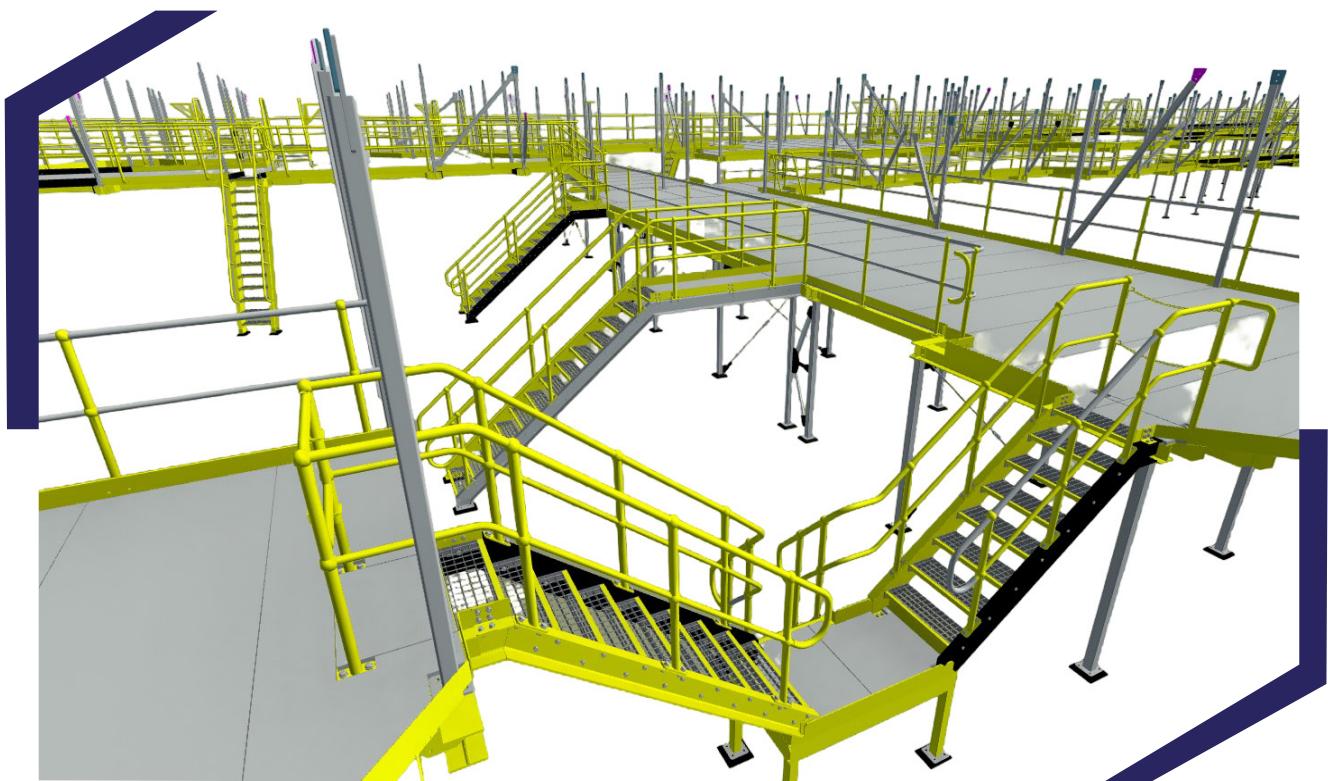


Car transporter-Design, detail drawing

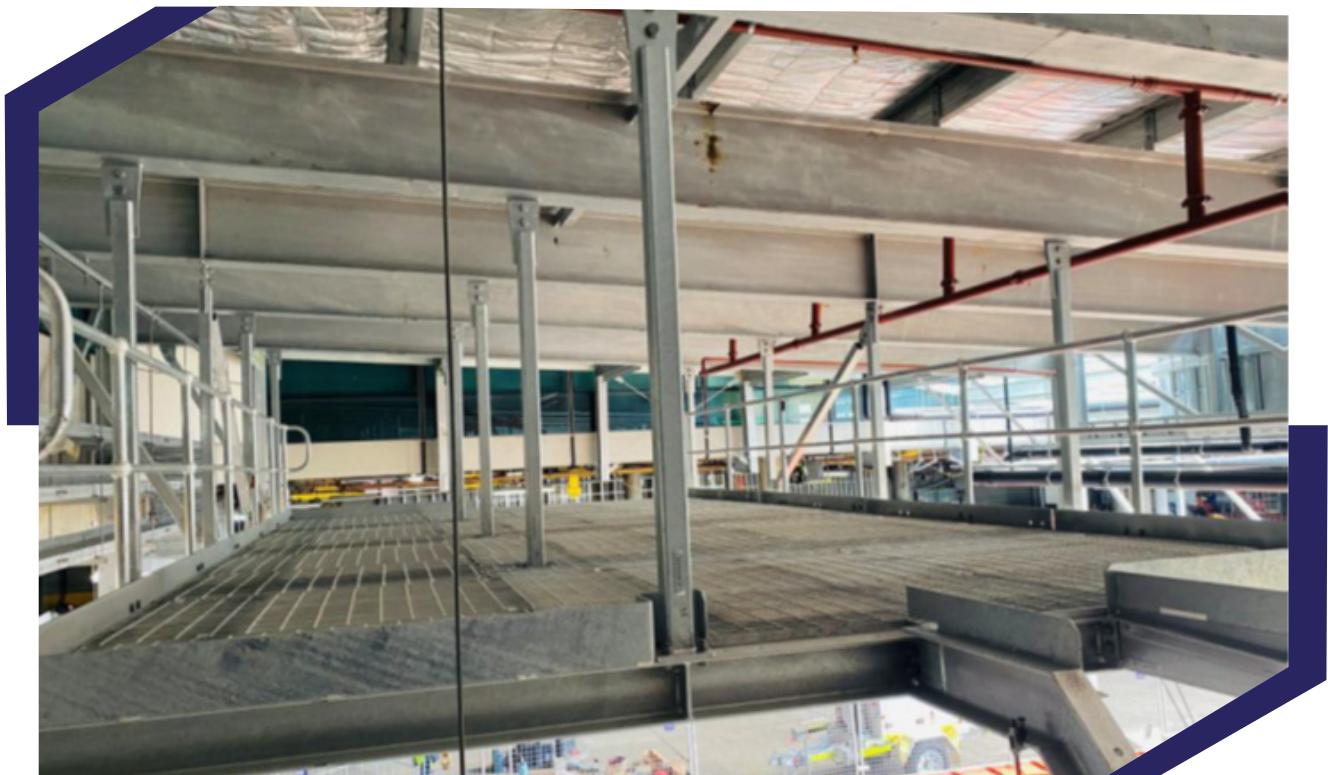
**Client -Cobra Manufacturing**



## Key Projects -Structural Engineering



Brisbane Airport-Domestic Terminal-Design, detail drawings, Design analysis and RPEQ certification



Brisbane Airport-Domestic Terminal-Design, detail drawings, Design analysis and RPEQ certification



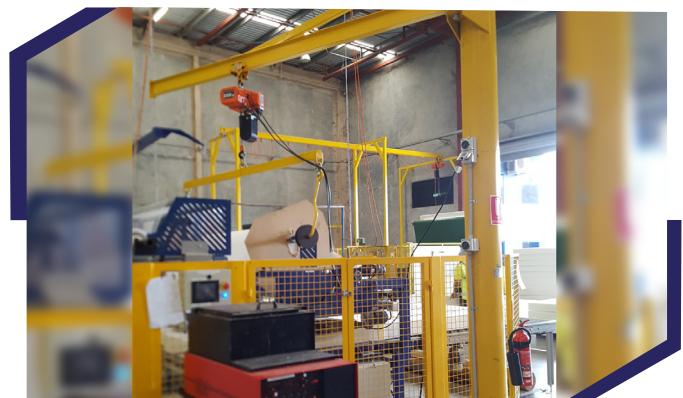
## Key Projects -Structural Engineering



Sewage Treatment Plant – Cunnamulla QLD -Design, detail design, drafting, analysis and RPEQ certification,  
**Client - Heal Group/ Pensar (Paroo shire council)**



Conveyor platform- Design, detail design, drafting and RPEQ certification,  
**Client -Century Yuasa batteries**



Crane structure- Design, detail design, drafting and RPEQ certification,  
**Client -Dunlop**

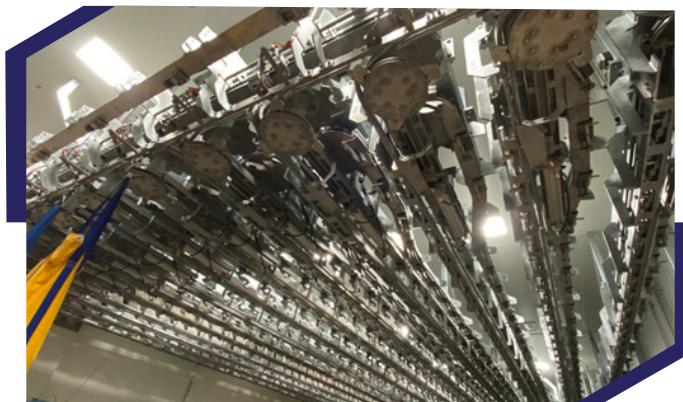


## Key Projects -Structural Engineering



Marshalling Chiller System -Design analysis and certification.

**Client -BECA-TFI**



Queuing Conveyor-Design analysis and RPEQ certification

**Client-JBS Dinmore**



## Key Projects -Structural Engineering



Compliance study- Rail Working Platforms/Access Ladders

**Client -Progress Rail**



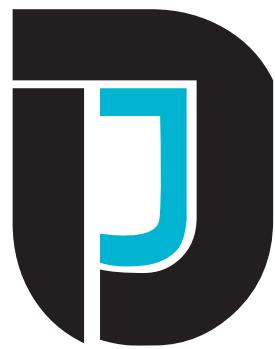
Cyclone Rig-Design-detail design, drafting, design analysis and RPEQ certification

**Client -CSIRO**



## Our Clients





# ENGINEERS

[www.dnjengineers.com.au](http://www.dnjengineers.com.au)

U3/20 Jijaws Street, Sumner QLD 4074 Australia

Tel: +61 7 5353 8071

[sales@dnjengineers.com.au](mailto:sales@dnjengineers.com.au)