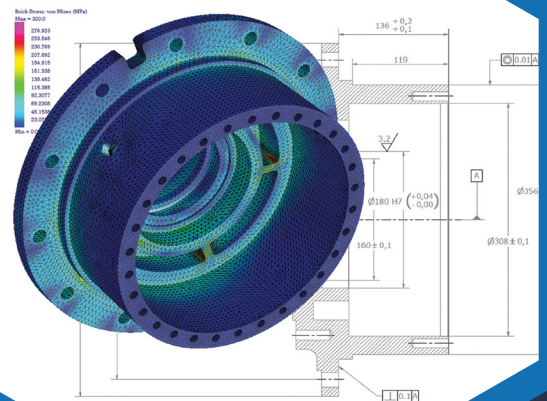




ENGINEERS



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 all employees, contactors 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, Form 15 and Form 16 according to Australia Design codes AS1170,

AS1657, AS3600, AS1554, AS4100, etc.



ENGINEERS



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

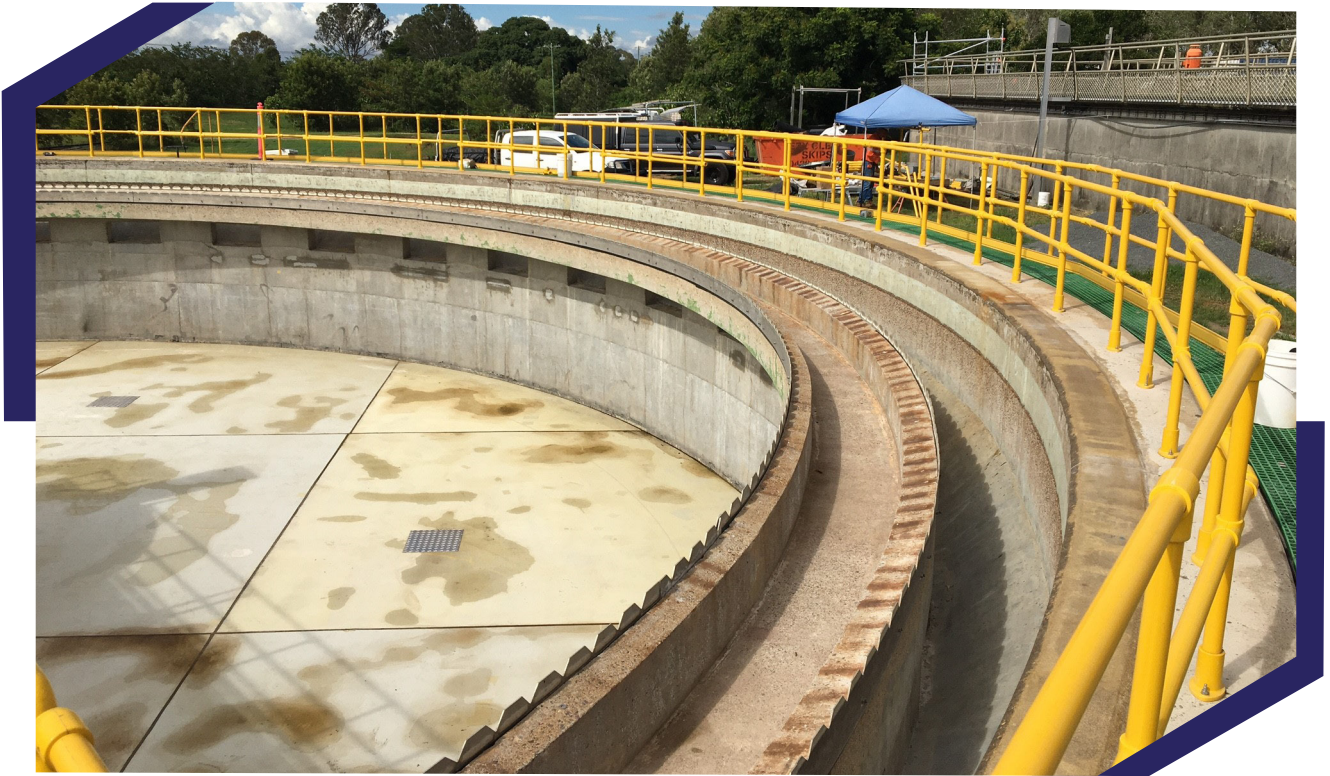


Pipe Handler for Gas Pipelines-Design, detail design and RPEQ certification

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

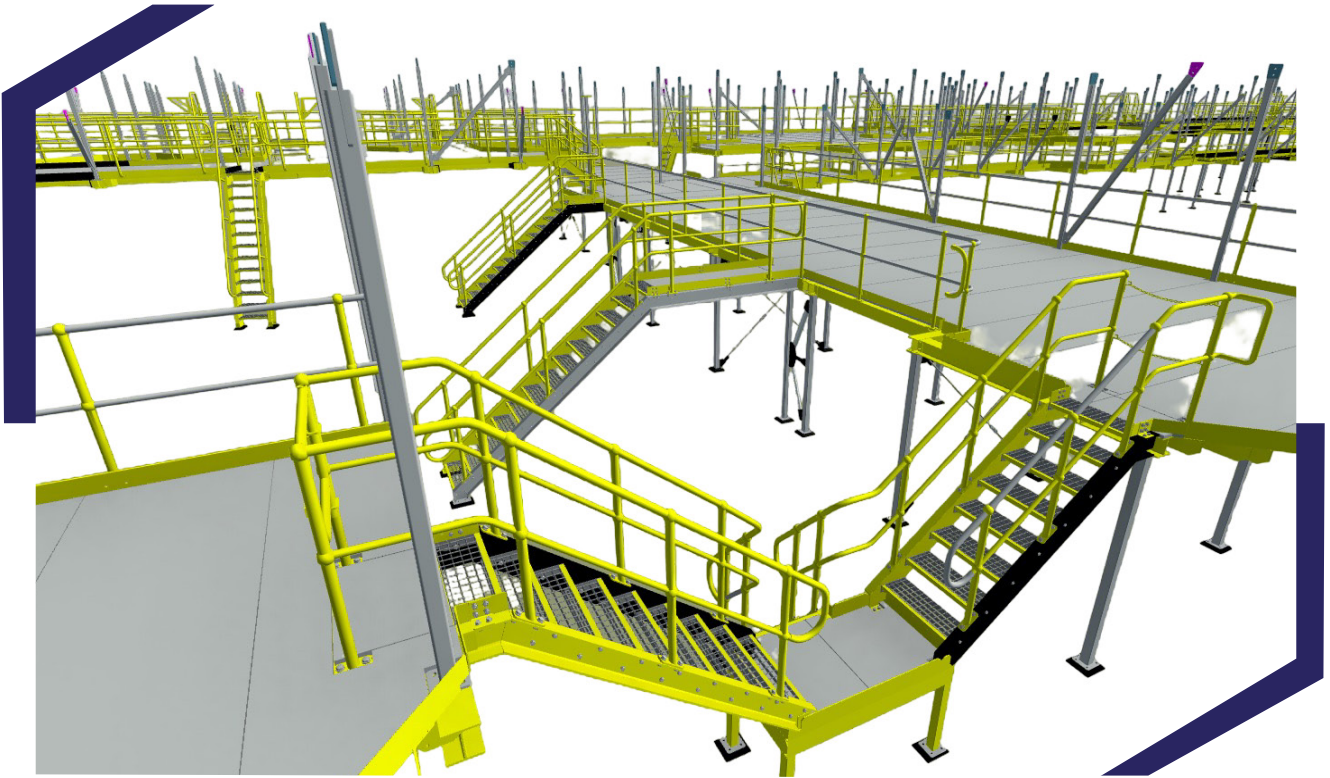


Car transporter-Design, detail drawing

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

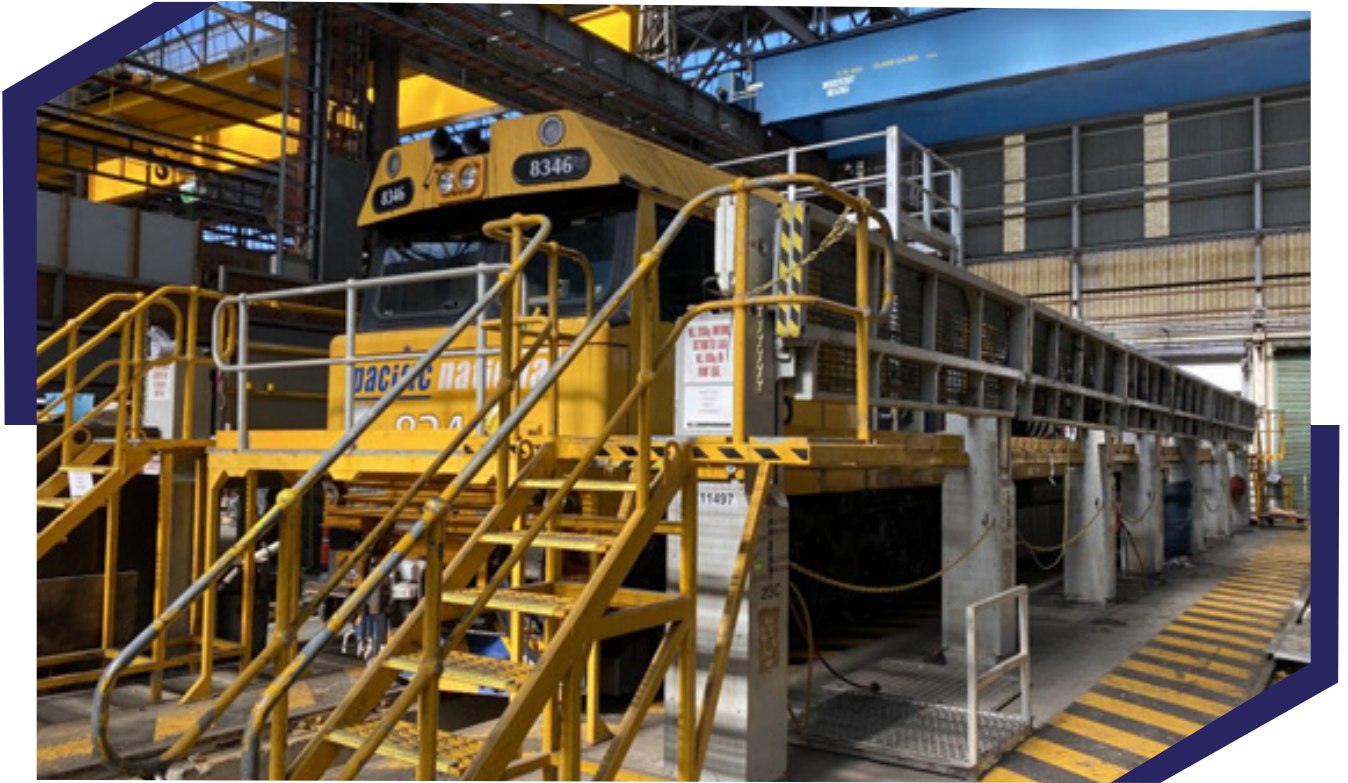


Queuing Conveyor-Design analysis and RPEQ certification

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

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