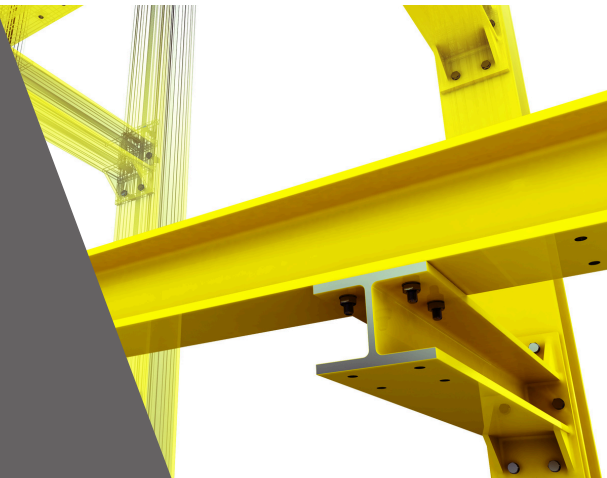
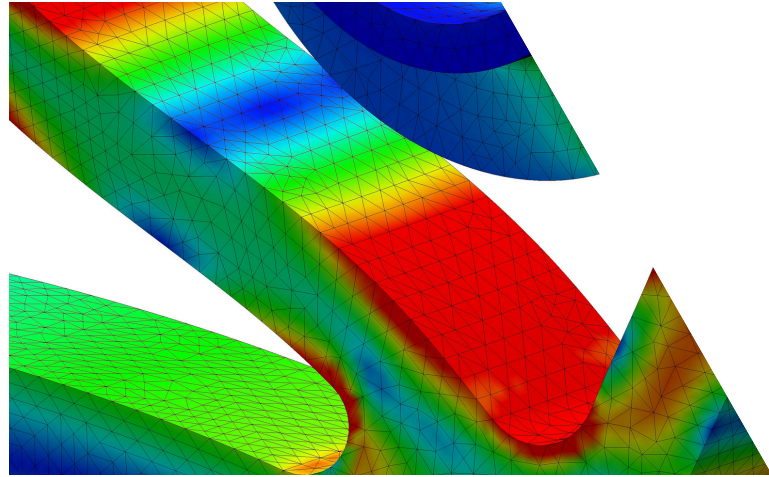
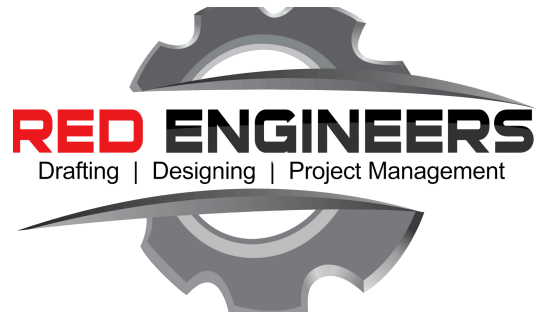




CAPABILITY STATEMENT



OUR VISION

Supporting your business to build a better Australia - with class leading engineering services tailored to your vision, your challenges & your goals



**BUILT ON TRUST,
DELIVERED ON TIME
EVERY TIME**

ABOUT US

Red Engineers is a multidisciplinary mechanical and structural engineering design firm that has been committed to delivering innovative solutions for clients across Australia since 2018. With a proven track record of 1,000+ successful projects and cultivating long-term partnerships with more than 20 respected organizations, **Red Engineers** is recognized as a trusted name in the industry—and is your next partner!

Operating out of Mackay & Brisbane, **Red Engineers** provide clients with a comprehensive suite of mechanical and structural services - 2D & 3D modelling, CAD design, detail drafting, engineering assessment & RPEQ certification, as well as 3D printing & composite manufacturing. Our expertise spans from consulting, project management, prototyping and product development.

Red Engineers combines extensive industry experience with advanced design workstations to produce precise, efficient, and compliant outcomes. Our highly qualified team of drafters, engineers, and consultants foster a collaborative client approach to deliver customized solutions— with unmatched pricing & lead times.

For reliable, high-quality engineering support across every phase of your project, from concept to completion - choose **Red Engineers**.

OUR SERVICES

- Mechanical & structural engineering
- 2D & 3D modelling & designing
- Detail drafting
- 3D scanning & reverse engineering
- Structural & design audits
- Computational analysis—FEA & DEM
- RPEQ certification
- 3D printing & composite manufacturing

RED-LAB

WHY CHOOSE US?

- Collaborative client focus
- Commitment to shared success
- 1,000+ successful projects delivered
- 58+ years of combined experience
- Trusted industry reputation
- Competitive, value-driven pricing
- Fast turnaround times

PARTNERING APPROACH

At **Red Engineers**, we believe the key to delivering successful outcomes lies in collaborative partnerships with our clients. We work closely with our clients from early concept through to project execution & become aligned with your goals, timelines, and success metrics.

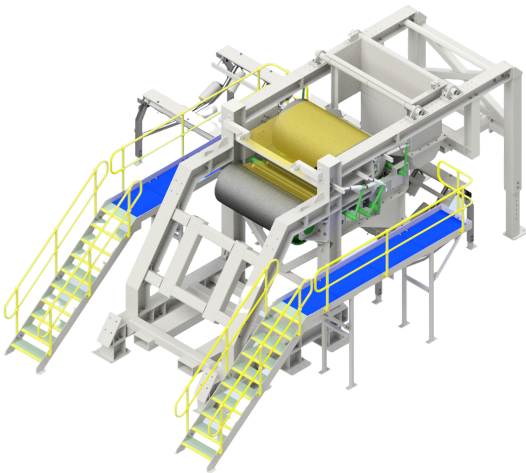
Our partnering approach is defined by:

- Collaborative project delivery backed by clear, open communication
- Your goals are our goals — we stay aligned to your success
- Honest, responsive communication at every stage

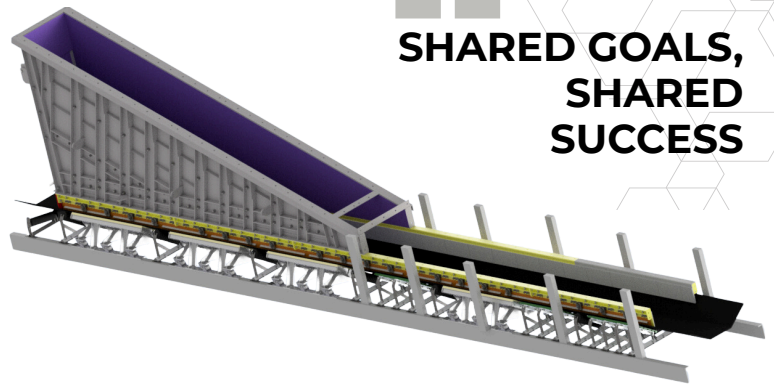
Your success is our success — that's the mindset we bring to every project.



GEAR TRANSPORT FRAME - BRYAN INDUSTRIES
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**



DEVELOPMENT CONVEYOR TRANSFER
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**

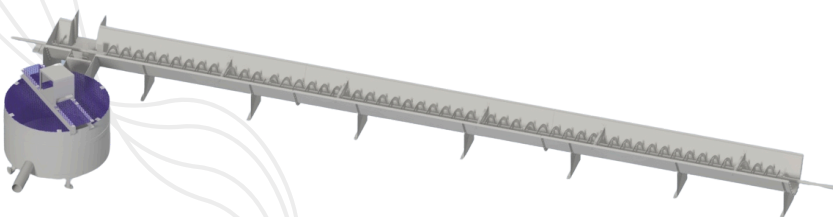


HOPPER DESIGN - TSGLOBAL
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**

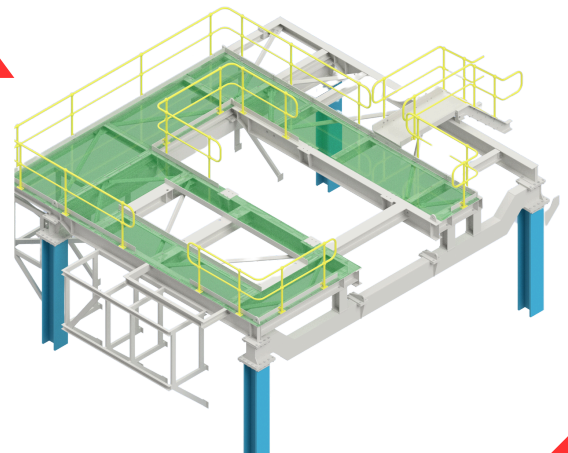
“
**SHARED GOALS,
SHARED
SUCCESS**”

MECHANICAL & STRUCTURAL DESIGN

Red Engineers specialise in mechanical and structural design solutions that span multiple sectors and industries. Backed by 58+ years of combined technical knowledge and hands-on project experience, our capabilities extend from mining and architecture to infrastructure and processing — each asset being tailored and compliant to suit client needs and industry standards.



ROLLING GUIDE CONVEYOR- ORIGIN
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**



SARAJI TOP PLATFORM REPLACEMENT - MELCO
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**

3D SCANNING & REALITY CAPTURE

We are armed with the state-of-the-art 3D scanner—the Leica BLK360 - to deliver fast, precise 3D scans that streamline design, documentation and verification processes. This cutting-edge laser scanner captures high-resolution point cloud data, enabling accurate as-built modelling, clash detection and reverse engineering across industrial and structural environments.

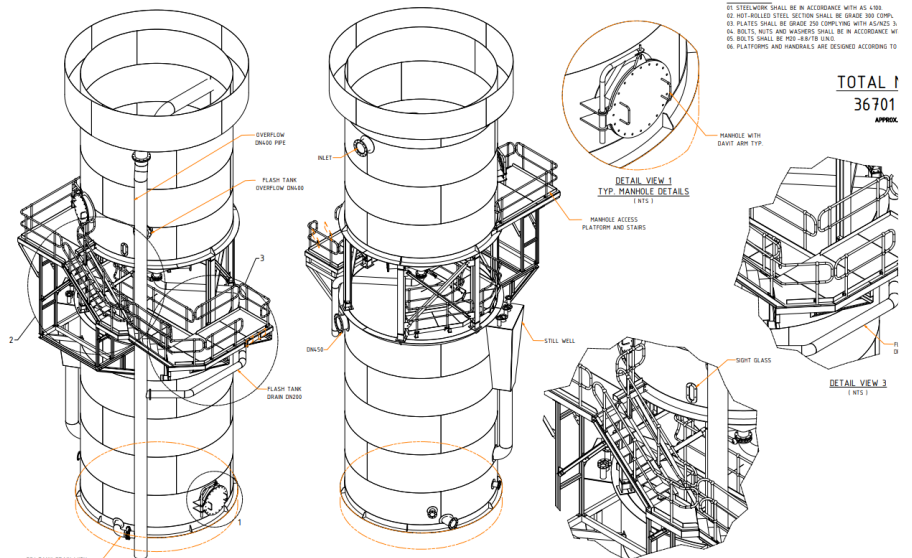
Whether it's an underground chamber or complex plant structure, our 3D scanning service ensures you to get the data you need – safely, efficiently, and with millimetre-level accuracy



POINT CLOUD



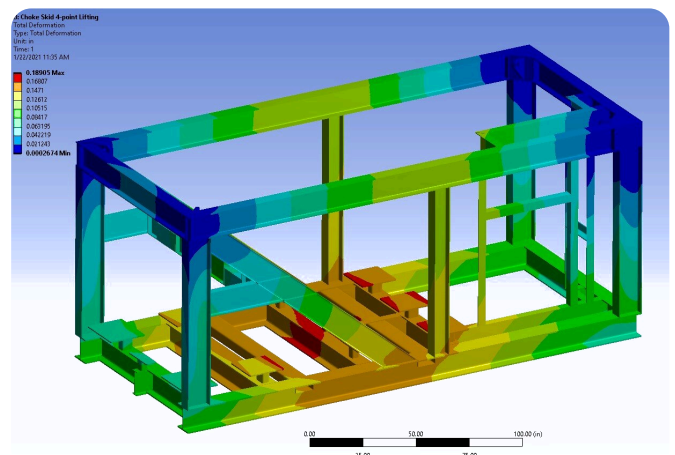
MODELLING



ESJ TANK - MACKAY SUGAR -
DESIGNED, ENGINEERED AND DRAFTED BY RED ENGINEERS

DESIGN VALIDATION & COMPLIANCE

Red Engineers delivers confidence where it matters the most—safe, reliable, & compliant. We validate designs against industry and Australian standards with state-of-the-art computer software, Finite Element Analysis (FEA) and RPEQ certification capabilities. Our rigorous, compliance-focused approach ensures every asset we produce is engineered to perform and designed to last.



TRANSPORT FRAME - ENGINEERING ASSESSMENT
DESIGNED, ENGINEERED AND DRAFTED BY RED ENGINEERS



DRIVEN BY OUTCOMES, SHAPED BY COLLABORATION

BULK MATERIAL HANDLING

Bulk material handling systems are one of our core strengths. From surface to underground applications, **Red Engineers** deliver tailored conveyor solutions that are designed on deep industry knowledge and in-field experience. We cover the full system, from head to tail - transfers, hoppers, drive heads, loop take-ups, bend frames, boot-ends and coffin seals - each item is engineered for performance, reliability and maintainability.



SPECIALISED CAPABILITIES

Our solutions go beyond standard conveyor systems. We engineer and integrate:

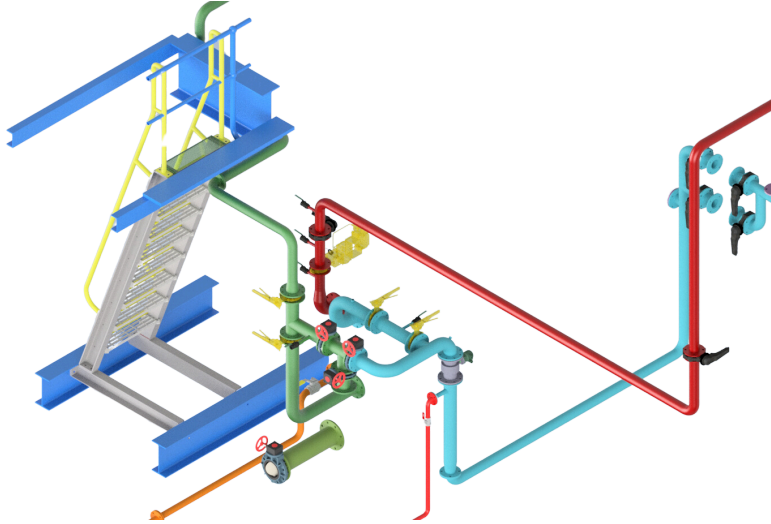
- Dust control & suppression systems
- Custom transfer chutes & flow control
- High-capacity overland conveyors
- Load zones & impact beds



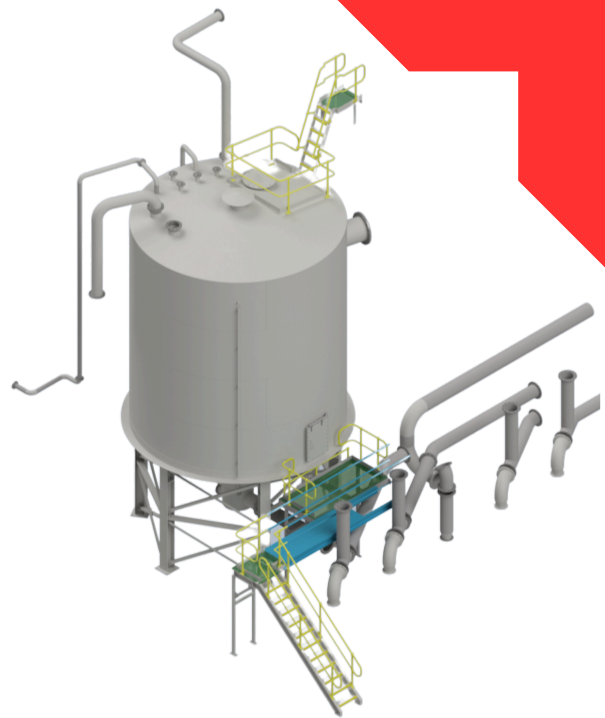
**MORE THAN A
SERVICE – WE’RE
YOUR PROJECT
PARTNER**

PIPING DESIGN

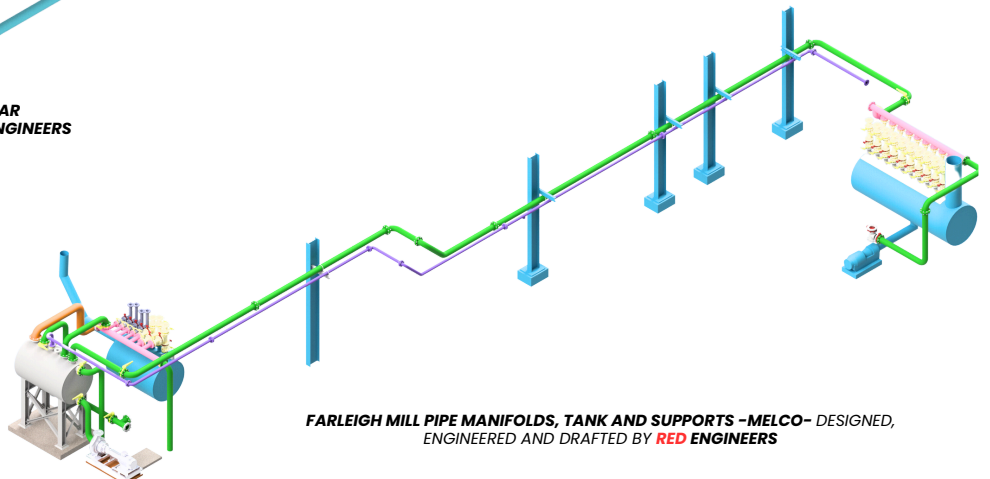
Red Engineers deliver specialised piping and fluid mechanics solutions designed to perform in the toughest environments. From slurry pumping systems to pipeline optimisation, our designs prioritise efficiency, reliability and long-term durability – ensuring your operations run smoother, longer and with fewer interruptions.



REMELT SYSTEM DESIGN - MACKAY SUGAR
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**



PRIMARY JUICE TANK - MACKAY SUGAR -
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**



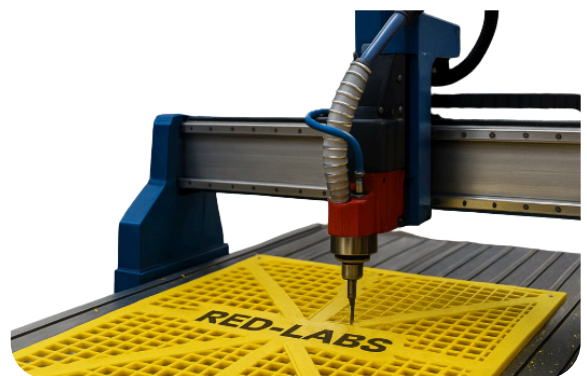
FARLEIGH MILL PIPE MANIFOLDS, TANK AND SUPPORTS - MELCO -
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**

“
**WE DON'T JUST
SUPPORT YOUR
PROJECT - WE
ELEVATE IT**

COMPOSITE MANUFACTURE

When heavy steel isn't the right fit, **Red-Labs**, - our dedicated manufacturing division - provides smarter, lighter composite solutions. Equipped with state-of-the-art 3D printers and in-house CNC and lathe machinery, Red-Labs deliver precise, custom-shaped composite components to suit a wide range of industrial applications.

Whether you're testing a concept or producing a fit-for-purpose part, we provide the tools and expertise to support your business



RED-LABS GAURDS
DESIGNED, ENGINEERED AND DRAFTED BY **RED ENGINEERS**



**YOUR SUCCESS IS OUR
SUCCESS, AND YOUR
TARGETS ARE OUR
FOCUS**

OUR CLIENTS



MEET THE TEAM

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