JMD Engineering:
Where Practical Design Meets Project Success.



JMD ENGINEERING

CERTIFICATION DIFFERENTLY
ISO 9001
QUALITY
Management System
SOUTHPAC certifications

ENGINEERS
AUSTRALIA

About JMD Engineering

Your trusted partner for practical, value-driven engineering solutions.



JMD Engineering (JMD) is a proudly Western Australian-owned consultancy, established in 2007 as a specialist drafting firm and growing into a trusted provider of end-to-end engineering design, drafting and project delivery solutions, tailored specifically for the mining and mineral processing sectors.

With offices in Perth and Bunbury, our team of over 25 experienced professionals brings deep technical expertise and practical insight to every project. From concept through to completion, we support a diverse client base with fit-for-purpose solutions that are efficient, compliant and aligned with operational outcomes.

At JMD, we go beyond engineering and design, we are dedicated problem solvers, collaborative thinkers and reliable partners committed to project success. Our mission is to deliver high-quality, value-driven outcomes that optimise performance, reduce risk and improve safety across the full project lifecycle.

Whether it's a minor plant upgrade or a major site expansion, we have a proven track record of delivering success. Our reputation is built on innovation, quality and a practical, hands-on approach that ensures we don't just meet expectations, we exceed them.

JMD has been built on a foundation of strong values that remain central to everything we do - guiding how we think, how we work and how we deliver:

- **Focused:** We bring unwavering attention to detail and a results-driven mindset to every project
- **Honest:** We communicate openly, follow through on our commitments, and build trust through consistent, honest actions
- **Resilient:** Challenges don't derail us. We adapt and overcome to deliver reliable outcomes in dynamic environments

JMD Engineering — delivering what you need, not just what you expect.

Why Choose JMD Engineering?

At JMD, we know successful projects demand a partner who listens, engages and delivers with purpose. With JMD, you get more than just a design, you gain a trusted partner committed to structured, smart and efficient project delivery. Here's why leading companies choose us:

Proven Industry Expertise

With over 15 years of focused experience, we bring a deep understanding of mining and mineral processing environments. This ensures designs that are practical, efficient and tailored to meet the unique challenges

Collaborative Partnership

We believe the best outcomes come from genuine teamwork. By working closely with your team, we ensure alignment with your goals, operational needs and project constraints, resulting in solutions that work

Innovative Thinking

JMD combines industry best practices with proprietary techniques and fresh perspectives to solve complex problems. We continuously seek smarter, safer, and more cost-effective ways to deliver value.

Commitment to Safety and Quality

Safety is at the core of everything we do. Our rigorous processes and quality controls ensure that designs not only comply with regulations but also protect people and assets.

Adaptability and Agility

Mining projects evolve quickly, and so do we. Our flexible approach allows us to respond rapidly to changes in scope, schedule, or technical requirements, keeping your project on track.

Trusted and Transparent

We build lasting relationships through honesty, trust and respect. Open communication and accountability are cornerstones of our service, so you can trust us to do what we say, every time.

Choosing JMD Engineering means gaining a reliable partner who is as invested in your project's success as you are.

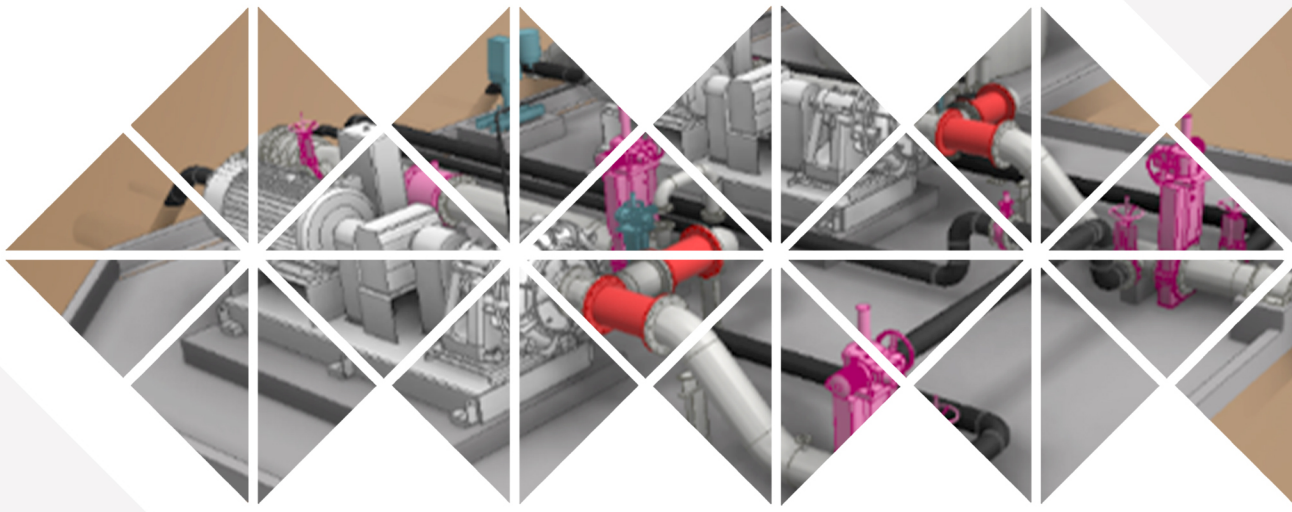


Our Core Competencies

Our core competencies shape our approach and define the way we deliver outcomes. From initial concept through to implementation, JMD delivers comprehensive engineering services that span the full project lifecycle. By seamlessly integrating engineering design, detailing and project delivery, we help reduce risk, improve efficiency and keep your project moving forward.

Our capabilities are backed by deep industry experience, multidisciplinary expertise, and a clear focus on delivering results that are practical, high-quality, and built to last — with particular strength across the following core competencies:

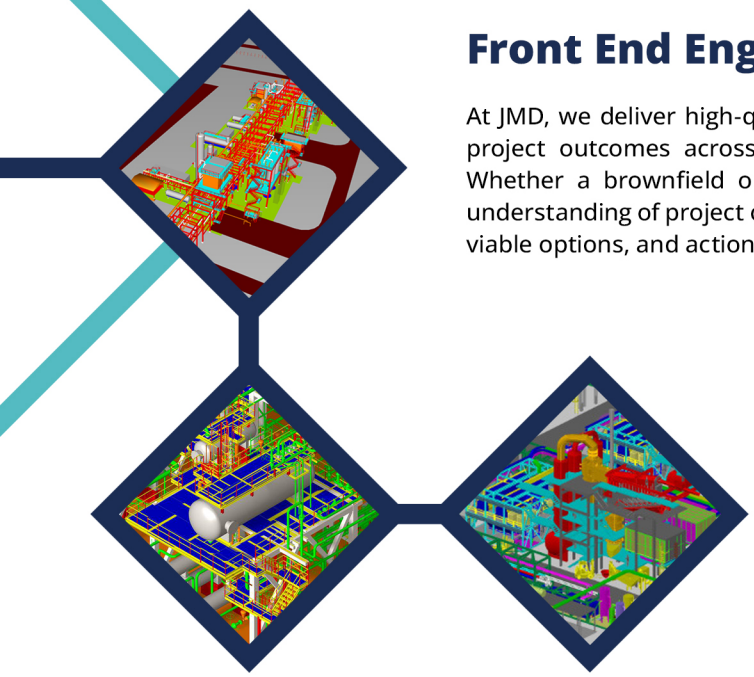
- **Front End Engineering Design (FEED)**
- **Tailored Plant Design & Optimisation**
- **Mechanical Equipment Design**
- **Project Support & Delivery**
- **Pump & Piping Design**
- **3D Scanning & Design Drafting**
- **Civil & Structural Design**
- **Site Inspection & Auditing**



Together, our proven capabilities allow us to be a trusted partner, delivering engineering solutions that stand the test of time and support your operational goals.

More Than a Service. A Trusted Partnership

Whatever the challenge, our services are designed to meet your unique needs—providing the clarity, confidence, and results needed to move your project forward. With a flexible, client-focused approach, we tailor our services to suit your goals, ensuring every stage is delivered with purpose, experience and certainty.



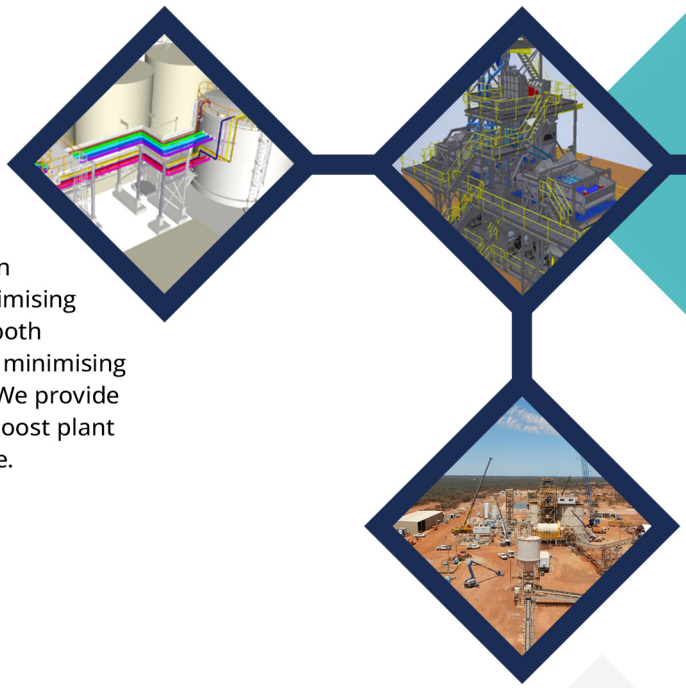
Front End Engineering Design (FEED)

At JMD, we deliver high-quality FEED services that lay the foundation for successful project outcomes across the mining, infrastructure and heavy industry sectors. Whether a brownfield or greenfield development, our work begins with a deep understanding of project context—translating client vision into clearly defined scopes, viable options, and actionable engineering plans.

Our team specialises in:

- Scope definition and front-end design
- Concept development and option studies
- Capital & operating cost estimation
- Feasibility assessments & multi-criteria evaluations
- Project scheduling, risk profiling, and execution planning

We take a strategic, optimisation-focused approach to early-stage design, helping clients reduce uncertainty, manage costs, and unlock long-term value.



Tailored Plant Design & Optimisation

JMD delivers end-to-end Process Plant Design and Optimisation solutions tailored specifically for your project, focused on maximising throughput, recovery, and operational efficiency. We support both brownfield and greenfield projects and have a strong focus on minimising operational disruption and maximising return on investment. We provide cost-effective, practical solutions that enhance performance, boost plant reliability, reduce energy and water usage and extend asset life.

Our core capabilities include:

- Full process plant design and layout
- Flowsheet development and process modelling
- Bottleneck identification and upgrade evaluations
- Capacity optimisation
- Operational performance improvements
- Asset life extension and reliability enhancements
- Staged implementation planning with a focus on reducing downtime

Mechanical Equipment Design



JMD specialises in Mechanical Equipment Design for the mining sector, delivering robust and innovative solutions that align with the evolving needs of modern mining operations. Whether designing bespoke equipment or standardised systems, our solutions prioritise reliability, maintainability, and performance under demanding conditions. We support projects from concept through to fabrication, optimising equipment for mining operations with a focus on cost-efficiency and operational excellence.

Our core capabilities include:

- Conveyor and material handling equipment design
- Crushing and processing circuit mechanical systems
- Rotating machinery and dynamic load considerations
- Hydraulic, pneumatic, and lifting equipment solutions



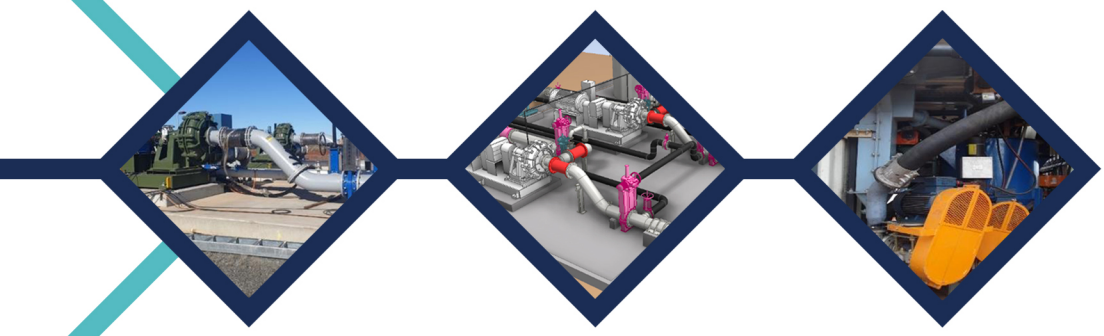
Project Support & Delivery

JMD delivers comprehensive support across all project stages, from conceptual design and drafting through to site installation and commissioning. We work closely with clients, contractors, and stakeholders to ensure projects are executed safely, efficiently, and to a high standard. Our team brings deep experience in both brownfield and greenfield environments, where coordination, clarity, and technical accuracy are critical to achieving successful outcomes

With a practical, hands-on approach and strong understanding of construction and commissioning processes, we help de-risk project delivery and keep things moving from start to finish. Our in volvement spans technical coordination, documentation, contractor interface, and on-site support, all underpinned by a commitment to quality and compliance.

Core capabilities include:

- Construction scope development
- Constructability reviews
- Cost estimating and project scheduling
- Tendering assistance and evaluations
- Contractor management
- On-site support and commissioning assistance
- Quality assurance and inspections
- Preparation or reviews of project documentation (project execution plans, construction methodologies, risk assessments, ITPs, checklists, commissioning plans, MDRs)

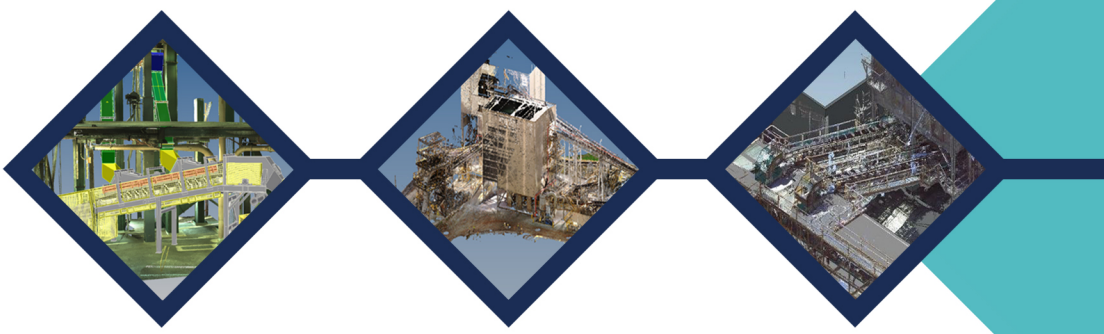


Pump & Piping Design

JMD delivers specialist Pump and Piping Design services tailored to the mining and processing industries. We work across a wide range of applications, including slurry handling, chemical and reagent dosing, non-Newtonian fluids, water transfer, tailings, cyclone feed, and pit dewatering. Our team optimises pump selection, pump efficiency, and configuration, including high head, booster, and multi-stage pumping systems, integrated with HDPE, steel and composite material piping solutions to ensure systems are robust and cost-effective maximising reliability and performance across critical mining applications.

Core capabilities include:

- Hydraulic modelling, fluid mechanics analysis and fluid flow dynamics (FFD) simulation
- Pump station and pipeline system design
- Design of staged tailings pump systems to accommodate increasing tailings volumes, changing deposition strategies and expanding footprints
- Detailed piping assessments and optimisation including material selection
- Upgrade option studies and feasibility assessments

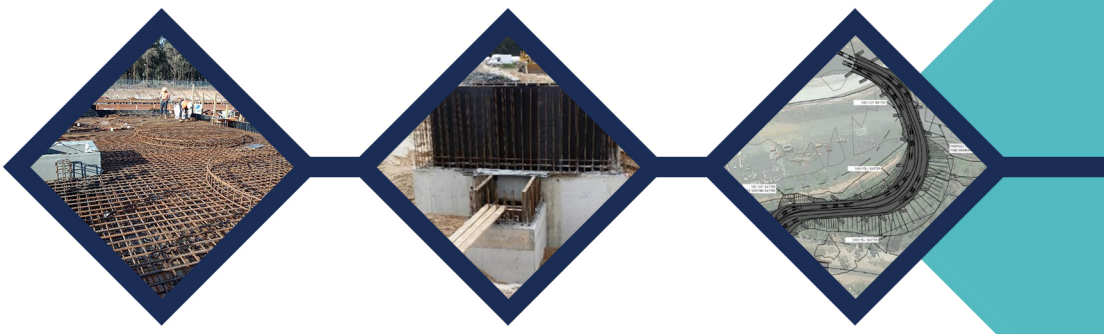


3D Scanning & Design Drafting

JMD provides advanced 3D laser scanning, modelling, and drafting services to support every stage of your projects lifecycle. Not all designers have the capability to effectively interpret and apply scan data, particularly when it comes to accurately identifying tie-in points, managing spatial constraints and performing meaningful clash detection. At JMD, we excel in turning raw scan data into actionable design inputs, thanks to our practical site experience, multidisciplinary understanding and deep familiarity with brownfield environments. This enables us to confidently resolve complex interfaces and deliver accurate, constructible designs where others may fall short.

Core capabilities include:

- High-accuracy 3D laser scanning and georeferenced site capture
- Site layout development and optimisation
- Detailed design modelling and drafting
- Practical design focused on fabrication and construction, with maintenance and access requirements prioritised throughout
- Project solutions guided by stakeholder engagement
- Design collaboration with all project partners — stakeholders, vendors, and subcontractors



Civil & Structural Design

JMD delivers practical, fit-for-purpose civil and structural design solutions for mining and heavy industrial sectors. From reinforced concrete foundations and bunds to complex steel structures, we engineer for strength, reliability, and constructability in the most demanding environments. Backed by advanced analysis tools and practical site experience, we provide tailored solutions for both brownfield and greenfield projects.

Core capabilities include:

- Reinforced concrete structures, slabs and bunds
- Structural steel design for vibrating and heavy equipment
- Advanced structural analysis and optimisation
- Assessment of existing structures for additional loading, including utilisation analysis and upgrade designs
- Drainage systems and site civil works
- Monorail and lifting system design
- Crane replacement, upgrades or integration including runway beam and supporting structure design and DEMIRS registration



Site Inspection & Auditing

JMD provides comprehensive site inspection and auditing services to support safety, compliance, and asset integrity units across mining and industrial operations. We assist clients in meeting Department of Energy Mines, Industry Regulation & Safety (DEMIRS) requirements and broader governance obligations through detailed reporting, root cause analysis, and structured follow-up actions. Our team combines practical experience with technical knowledge to identify risks, improve site performance, and maintain regulatory compliance. Our auditing services are designed to enhance operational safety, extend asset life, and ensure effective, sustainable outcomes for our clients.

Core capabilities include:

- Structural integrity assessments
- Safety audits and compliance inspections
- Corrosion and wear inspections
- Compliance audits aligned with AS 4024 (Safety of machinery) and industry standards
- DEMIRS compliance support and reporting
- Root cause analysis and corrective action planning
- Risk identification and site performance improvement

Trusted relationships, built through experience.

Our long-standing client partnerships reflect the confidence they place in our work and is a clear reflection of the consistent quality, reliability, and value we deliver on every project.

At JMD, we don't just deliver projects, we build lasting relationships by understanding our clients' needs, delivering on our promises and being a partner they can rely on time and again

NEWMONT

TALISON LITHIUM

REGIS RESOURCES LTD

SOUTH32

NORTHERN STAR RESOURCES LIMITED

CBH GROUP

ILUKA

GENESIS MINERALS LIMITED

GOLD FIELDS

SOUTHERN PORTS AUTHORITY

SIMCOA

GLOBAL ADVANCED METALS

From private clients to ASX-listed companies, industry leaders choose JMD for our proven track record in delivering projects on time, on budget and to specification, with results that consistently meet performance goals and exceed stakeholder expectations.



JMD Engineering:
Where practical design meets project success.

We are committed to driving engineering forward through innovative solutions and an unwavering dedication to quality. Our passionate team delivers projects that don't just meet expectations, they exceed them. As we continue to grow and evolve, our focus remains clear: to provide exceptional service, create lasting value and build trusted, long-term relationships with our clients.

Let's Discuss Your Next Project

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*We look forward to partnering with you to achieve engineering excellence together. Because at JMD, **T**ogether **E**veryone **A**chieves **M**ore.*

