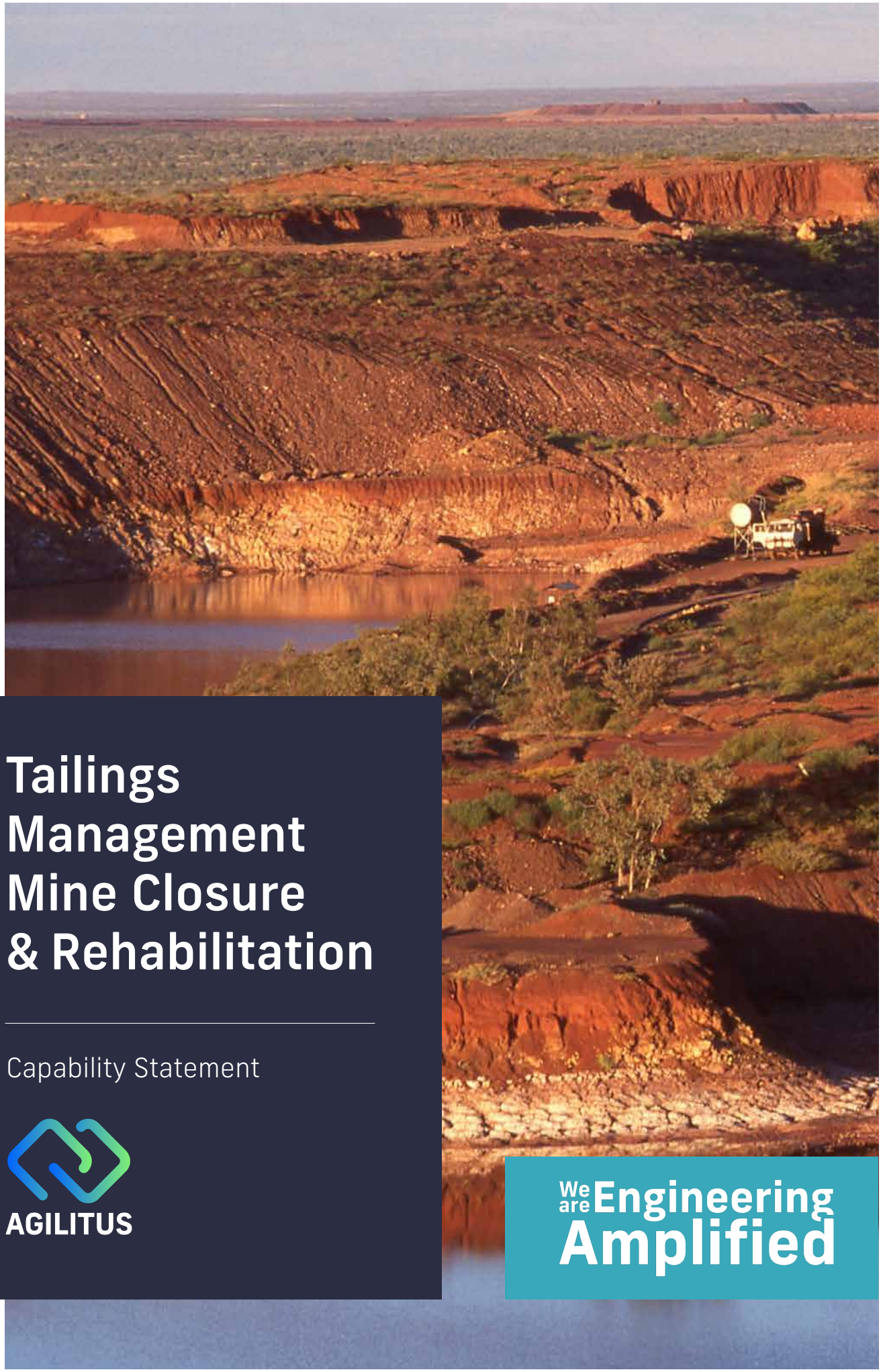

# Tailings Management Mine Closure & Rehabilitation

Capability Statement

AGILITUS

We are Engineering Amplified

agilitus.com

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The First Choice in Engineering





# About Agilitus

**Since 2017, we have expanded Australia-wide, delivering quality and reliable services in engineering, design, and project management across all disciplines and sectors.**

Founded by colleagues Craig Bloxham (Managing Director) and Tony Comerford (Technical Director) after decades in the sector, their ethos of creating a business removed of staid bureaucratic processes still holds true today. It's this uncompromising philosophy that remains the hallmark of the business' true success.

"When you're one of thousands in a public listed company, it gets complicated, and Tony and I wanted to keep things simple. Complexity should not be in the management of the business, just the technical aspects of engineering. We wanted to focus on quality services and building a strong reputation of doing good work; the rest is history," said Craig.

With a vision to be the most sought-after global multidiscipline engineering business, attracting and employing the best people with like-minded values continues to be an important function of the business.

"To make it all work, you've got to have the right culture. If your team enjoy the work and the people they work with, this enthusiasm is hard to resist.

It's our distinction that no one can copy. Our clients value this in the way we work alongside them," said Tony.

> **We're known for our expertise and integrating solutions across all disciplines to deliver a quality product. It's about being consistently predictable, reliable and value for money.**
>
> **Craig Bloxham** - Managing Director

## Agilitus at a glance

**480+ Workforce**
With high performance culture and low turnover

**6 Offices**
Across Australia, Perth HQ

**250+ Years**
Cumulative experience of the Management Team

**180+**
Clients in the Resources, Energy & Infrastructure Sectors

**20+ MSA**
Agreements across blue-chip customers

**ZERO**
Lost time to injury in the last 5 years

# Multidiscipline services

**Agilitus is a multidiscipline engineering, EPCM and ESG consultancy with a skilled, collaborative team delivering innovative solutions to the Resources, Energy & Industrial sectors.**

Agilitus offers a range of services to meet any project's most stringent requirements across the entire lifecycle.

The team is focused on providing customised project design, engineering, EPCM, ESG advisory and rehabilitation capabilities with experience in mine site infrastructure and process plants, rail systems, bridges, haul roads, ports and marine, NPI facilities, energy, as well as power supply and distribution.

Agilitus has an in-depth understanding of the project lifecycle. This includes supporting clients through all stages of the project's delivery, from exploration to conceptual design and feasibility studies to detailed design, approvals, construction support and operations, rehabilitation and closure.

- **Asset management**
- **Civil**
- **Coastal**
- **Critical and precious minerals**
- **Decarbonisation**
- **Desalination**
- **Design and technology**
- **Digital consulting**
- **Electrical**
- **Energy**
- **Gold**
- **Ground engineering**
- **Infrastructure**
- **Heavy haul rail**
- **HSEQ solutions**
- **Hydraulic mining**
- **Hydrology and water**
- **Mechanical**
- **Ports and marine**
- **Process**
- **Project delivery services (EPCM)**
- **Pumping and piping**
- **Stakeholder engagement**
- **Structural**
- **Tailings management, mine closures and rehabilitation**

# Executive leadership team

**Craig Bloxham**
Managing Director and Co-founder
**30+ years' experience**

We develop engineering solutions suitable for our client's purposes, rather than an engineering solution suitable for your business perspective in terms of managing that risk.

**Tony Comerford**
Technical Director and Co-founder
**35+ years' experience**

We're in the business of solving engineering challenges but it's more than that; it's the difference we can make for clients, our people and community. It's about delivering on our promises and always exploring better ways of finding solutions.

**Tony Daniel**
Chief Operations Officer
**21+ years' experience**

We combine exceptional technical expertise with practical, value-driven solutions for clients. This builds mutual respect and confidence in our solutions, knowing that we explore all avenues for the best fit solution for the project.

**Gavin Wearne**
Director – Ports and Marine
**23+ years' experience**

Success is being a trusted advisor for our clients, delivering successful projects, and being a great place to work. We have this here.

**Jamie Little**
Director – Commercial and Project Delivery
**23+ years' experience**

We do more than just value adding; we're actually strategically looking at the whole scenario, the big picture to deliver what clients need, not necessarily just what they asked for.

**Matt Moreland**
Director – Engineering
**15+ years' experience**

We don't do things just because that's the way they have always been done. We're not wedded to that thought process. We're always asking, what are you trying to achieve and what solution do you need.

**Jason Fong**
Director – Geotechnical
**30+ years' experience**

Agilitus has been built on finding innovative solutions, best fit solutions for problems that often a lot of our competitors haven't been able to solve.

**Nicolle Jenkins**
Director – Marketing and Business Development
**30+ years' experience**

Returning clients is the true indicator of our success. This represents a true commitment to solving complex problems and optimising solutions. It's who we are.

# Our difference

## People & culture

We create an environment where people thrive and are empowered, safe, and supported to innovate. **Our team genuinely enjoys the work and the people they work with, and that enthusiasm becomes a powerful force**. Clients feel it. It builds trust, momentum, and confidence.

## 100% employee owned

When our clients succeed, we succeed. **Being 100% employee-owned means, we're personally invested in delivering outstanding outcomes.** This ownership mindset shows up in the energy we bring, the pride we take, and the results we deliver.

## Brownfields experts

We're a leading brownfields specialist, with most of our work delivered in live, operating environments. Our multidisciplined in house team, including highly valued specialist services, provides clients with a true end-to-end capability under one roof.

**We don't just work in brownfields; we excel in it.**

## Best-fit solutions

We design best-fit solutions which integrate seamlessly into existing operations, reduce disruption, and mitigate risk. **Our proven methodologies allow us to move with precision and pace**, applying decades of practical experience to unlock smarter, safer, more cost-efficient outcomes.

# Our tailings leadership team

**Nico Klopper**
**Technical Director - Hydraulic Mining**
**19+ years' experience**

Nico is a seasoned mining and construction professional specialising in tailings (surface operations). With a strong background in leadership and business, he has successfully managed complex projects and delivered exceptional results with a proven record both in the domestic and international market. Nico is passionate about driving efficiency and innovation in the industry, aswell as alignment to the required JORC, GISTM, ICMM and relevant dam safety standards.

Nico has worked on various mining projects globally, from conceptualising to execution over four continents. He holds detailed knowledge of geotechnical and water management disciplines. Nico has 18 years of unparalleled tailings operational and technical experience in both deposition and reclamation.

**Jason Fong**
Director – Geotechnical
**30+ years' experience**

With a career spanning more than 30 years – across Australia, Indonesia and Singapore – Jason is an experienced geotechnical and civil engineer. He is skilled at developing business strategies, leading multidisciplinary teams and managing projects for some of the world's leading mining, minerals, oil & gas, and industrial companies, as well as working with utility providers and defence organisations.

Jason is highly sought after for his expertise in ground engineering and for his ability to collaborate with a diverse range of industry specialists in strategic asset management, heavy haul rail, water supply and water resources, GIS, tailing storage facilities, and mine closure and rehabilitation.

**Wasim Latif**
Technical Director (Tailings / Dams)
**30+ years' experience**

Wasim is a subject matter expert with proven track record in technical excellence for successful leading teams, corporate governance, GISTM compliance, audits, technical due diligence, comprehensive dam safety reviews, planning, detailed design, project control, tendering, construction supervision, operation, monitoring and closure of number of projects around the world while successfully meeting and exceeding client needs.

His project portfolio spans over 170 tailings / bauxite residue storage areas / waste fines storages and water dams including more than 24 hydropower projects. His experience includes scoping due diligence studies, peer review and value engineering, comprehensive dam safety reviews, regulatory and detailed safety audits, Responsible Tailings Facility Engineer (RTFE), Engineer of Record (EOR) / Designer of Record (DOR) services, project management, geotechnical and geophysical investigations, material selection, strength characterisation of materials, liquefaction studies, instrumentation review, design from concept / options study stage to mine closure and construction support.

**Juan Ayala**
Lead Tailings Engineer
**13+ years' experience**

Juan is a civil engineer, specialised as a geotechnical practitioner with over thirteen years of professional experience on mining geotechnics and hydropower dam projects primarily across Chile and Australia. His experience includes in-situ testing and analysis of different surficial and depth proving methods for mine tailings, soil, and rock environments, specialising in the interpretation of cone penetration testing with partially drained responses (e.g. interpretation of intermediate materials as silts) and laboratory testing characterisation for soil and mine tailings within the critical state soil mechanics framework, including the design of different geotechnical laboratory devices (e.g. M.Eng. and Ph.D. theses).
His experience also includes slope stability analysis of tailings storage facilities, waste dumps, stockpiles, and rock slopes (e.g. kinematic analysis with stereographic plots), 2D and 3D numerical deformation modelling of tailings storage facilities and soil environments, highlighting recent static and dynamic liquefaction triggering assessments with advanced constitutive models, and large displacements assessment modelling (e.g. observational method, dam break analysis), and geotechnical mapping and characterisation for linear works associated with transport systems of tailings, copper concentrate and water, within soil and rock environments.

**Matt Watts**
Discipline Lead – Geotechnical
**18+ years' experience**

18 years of experience as a geotechnical professional, with a broad understanding of soil mechanics developed through industry experience, solving interdisciplinary challenges, and working directly with clients. His expertise spans from large-scale scoping studies to close collaboration with clients throughout the design stages of projects.

Matt began his career in a tailings design team and has been involved in the investigation and design of both new and existing paddock-style facilities, integrated waste landforms, and valley storage systems across Western Australia, Borneo, and Tanzania.
He has a particular interest in material re-use and fit-for-purpose designs that aim to minimise CAPEX.

**Sergio Neves**
Principal Geotechnical Engineer
**20+ years' experience**

20 years of consulting experience in geotechnical investigations for infrastructure projects across Australia and the UK. His work spans a wide range of areas, including the design and construction of retaining walls (embedded, secant, and contiguous), pavement design for highways and railways, slope stability analysis, and foundation design for residential and commercial developments.

Sergio has led numerous ground investigations, providing geotechnical advice on shallow and deep foundation systems, retaining walls, pavement designs (granular and full-depth asphalt), seal designs, liquefaction assessments, and site and soil effluent disposal evaluations. His project portfolio includes commercial and industrial developments across diverse geographies.

**Aika Ibrahim**
Senior Geotechnical Engineer
**8+ years' experience**

Aika's geotechnical expertise spans across private, local government, and public sector projects. Her strong background in GIS analysis and her active involvement with the Infrastructure Sustainability Council of Australia (ISCA) further highlight her commitment to advancing sustainable infrastructure practices.

Aika has honed her skills in conducting slope stability assessments, geotechnical characterisations of tailings, and consolidation and deformation modeling. Her technical proficiency and dedication to excellence have made her a valuable asset.

**Sam Gao**
Senior Geotechnical Engineer
**7+ years' experience**

Sam has experience managing diverse projects, including pavement investigations, residential subdivisions, and commercial land developments. Sam prides himself on his autonomy and high standards of work, while also valuing team input and advice. His technical proficiency in tools such as Plaxis 2D, Settle 3D, HoleBASE, PLog, gINT, and Slide 2, combined with his initiative and efficiency, consistently lead to outstanding project outcomes.

Over the past 12 months, Sam has been seconded to a major alumina provider, where he has played a crucial role in assisting the client on their pathway to GISTM compliance. His responsibilities have included compiling historical site investigation records, preparing standard specifications for hydrologically placed upstream raises, supervising site investigations, and monitoring instrumentation and compliance auditing.





# Optimising tailings storage facilities and managing mine closures and rehabilitation

**Agilitus's proven approach to deliver schedule and cost benefits through clever engineering and true collaboration is what sets us apart.**

Agilitus is a multidisciplinary engineering, design, project delivery and advisory consultancy, providing technical solutions for clients in the Resources, Energy and Industrial sectors.

With offices on the East and West coasts of Australia, we are majority owned by our employees and committed to helping clients decarbonise in a net zero economy.

Our fit-for-purpose engineering solutions enable mining and raw material proponents, energy and water utilities, and port authorities to optimise the performance their assets, minimise operational disruption, improve safety and mitigate risks.

Agilitus's proven approach to deliver schedule and cost benefits through clever engineering and true collaboration is what sets us apart.

Our people pride themselves on providing smart and sustainable solutions to complex engineering problems; and importantly, on being great people to work with.

# Tailings storage facilities (TSFs / DAMS) and mine closure services

**Offering an integrated approach to managing tailings and mine waste for minerals across the full life cycle of TSFs including meeting all standards - GITSM, TSM and others.**

Our experienced ground engineering specialists collaborate with our clients to create holistic solutions at any stage of the life cycle of TSFs. This is achieved by developing a thorough understanding of the specific risks and hazards of your site.

Our expertise with tailings includes hydraulically-placed slurry, thickened paste and filtered dry stack operations. Our designs consider the overall site-specific constraints and opportunities for optimal disposal, such as upstream, downstream, centerline, and integrated waste landforms or in-pit disposal.

Agilitus provides multidisciplinary services integrating geotechnical, environmental, civil, hydrogeological, process, pumping and piping, electrical and structural engineering as well as ESG advisory for the successful delivery and management of your TSFs.

We take this one step further, providing education to operate your TSFs and advice for compliance with key standards - the Global Industry Standard on Tailings Management (GISTM) and the Towards Sustainable Mining (TSM) framework adopted by Mining Council of Australia members.

We partner with specialist organisations to integrate the very best advice, approaches and frameworks into our solutions.





**Tailings Storage Facilities (TSFs / Dams) and Mine Closure Services**

- Concept to closure Life of Mine (LOM) storage studies and operational support as per GISTM for conventional, filtered, thickened and un-thickened / slurry tailings from above ground to In-pit storages.
- Design of water dams / lined / unlined process water infrastructure.
- Detailed engineering design and operational EPCM support in civil, geotechnical, hydrological (water balance), hydrogeological, mechanical, electrical, and process engineering.
- Geologic, geotechnical, geophysical and geochemical site investigations and interpretation with advanced modelling.
- From foundations to tailings, field and laboratory geotechnical characterisation programs, analysis and interpretation.
- HAZID (Hazard Identification) and HAZOP (Hazard and Operability Study)
- Seismic engineering, liquefaction and piping analysis, site-specific Probabilistic Seismic Hazard Assessments (PSHA) studies.
- Surface water and dam break studies.
- Risk assessments including Failure Mode and Effects Analysis (FMEA), quantitative risk assessments and risk mitigation strategies.
- CAPEX / OPEX estimation, Value Engineering and Optioneering.
- Residue Deposition Strategy (RDS) development and Third-Party Review support for Amphi rolled tailings to filtered stacked tailings.
- Construction QA/QC and operation monitoring, management, and quality assurance as per GISTM.
- Hydraulic Mining of Tailings.
- Instrumentation and monitoring design with Trigger Action & Response Plan (TARP) with operational review support as per GISTM.

**Advanced Geotechnical Support**

- Geotechnical site investigations for characterisation of legacy structures, support and quality control of site works, and samples collection with different methods.
- Advanced Cone Penetration Testing (CPTu) interpretation, with site-specific correlations depending on material behavior, statistical analysis of data based on international guidelines, and partial drainage assessments within the critical state soil mechanics (CSSM) framework.
- Laboratory testing planning, management and results interpretation, with focus on characterisation using critical state soil mechanics (CSSM) framework.
- 2D stability assessments with the limit equilibrium method.
- 2D and 3D Numerical deformation modelling with FLAC2D/3D, with focus on static and dynamic liquefaction triggering assessments, buttress dimensioning, consolidation analysis and rate of construction recommendations, factor of safety estimations with the shear strength reduction (SSR) method. Calibration of advanced constitutive models in saturated and partially saturated conditions.
- 2D and 3D Dam break assessments with the material point method (MPM) coupled with FLAC2D/3D, allowing for progressive failure surfaces, with realistic rates of failure energy release, using advanced soil constitutive models. (Commercially available in Q3/Q4 2026)

**Governance Support**

- Tailings Management Engineer of Record (EOR) / Designer of Record (DOR)/ Independent Tailings Review Board (ITRB) / Independent Technical Review Panel (ITRP) support as per GISTM.
- Global Industry Standard on Tailings Management (GISTM) compliance support and Third-Party GISTM audits.
- Full EPCM project delivery support working as an EPC Contractor, Owners' Engineer, Project Manager, Engineering Consultant or Commissioning Manager.
- Forensic investigations and Expert Witness Support in tailings / water dams disputes.
- Regulatory licensing and approvals support.
- Independent Dam Safety Reviews, third-party audits / design reviews.

# Dams / hydropower engineering services

**At Agilitus we deliver safe, innovative and cost-effective outcomes, maximizing benefits to our clients and communities.**

Our dam engineering team is an integral part of professionals in civil, geology, geotechnical engineering, hydrogeology, hydrology, sedimentation, seismology, structural, hydraulics, mechanical, electrical, pumps / piping engineering, environmental sciences and materials technology. Our team has over 100 years of local and international experience in dam engineering ensuring sustainable solutions for your projects.

**Our services include:**

- From concept to construction full scope design of dams / process water ponds and associated infrastructure
- Geotechnical, geologic, hydrological, geohydrological, geophysical and geochemical site investigations, including sampling for different purposes and parameters interpretation
- Geotechnical laboratory programs planning, management, and results interpretation
- 2D and 3D advanced numerical modelling with PLAXIS and FLAC software's depending on problem complexity, including dam raising stages, seismic performance analysis, static and dynamic liquefaction triggering assessments, flow and consolidation analysis, buttress dimensioning and construction rate recommendations
- 2D and 3D Dam break assessments with the material point method (MPM) coupled with FLAC2D/3D, allowing for progressive failure surfaces, with realistic rates of failure energy release, using advanced soil constitutive models. (Commercially available in Q3/Q4 2026)
- Site-specific Probabilistic Seismic Hazard Assessments (PSHA) studies
- Dam rehabilitation and raises assessment
- HAZID (Hazard Identification) and HAZOP (Hazard and Operability Study) workshops from concept to detailed design and operational stages
- Dam break analysis including Failure Modes and Effects Analysis (FMEA)
- Dam safety audits and risk assessments
- Owner's engineer support
- Independent technical review panel support
- Instrumentation and monitoring design with Trigger Action & Response Plan (TARP) with operational review support

**Our Services include almost every dam type including.**

- Earth and rockfill embankment dams
- Hydropower high to very high head dams and infrastructure
- Concrete Faced Rockfill dams (CFRDs)
- Concrete Gravity dams (CGDs)
- Roller-Compacted Concrete dams (RCC)
- Concrete arch and multiple barrel arch dams
- Geosynthetics lined (HDPE / GCL etc.) lined above ground and mine pit dams
- Gated and ungated spillways
- Intake and outlet work

**Governance Support**

- Water dams / Process water ponds licensing and Approvals
- Full EPCM project delivery support working as an EPC Contractor, Owners' Engineer, Project Manager, Engineering Consultant or Commissioning Manager
- Forensic investigations and Expert Witness Support in disputes
- Independent and annual third-party audits / reviews
- Independent Technical Review Panel
- Independent Third-Party Reviews
- Third-Party Technical Design Review services
- Dam Safety Reviews and facility audits



# Pumping & piping engineering



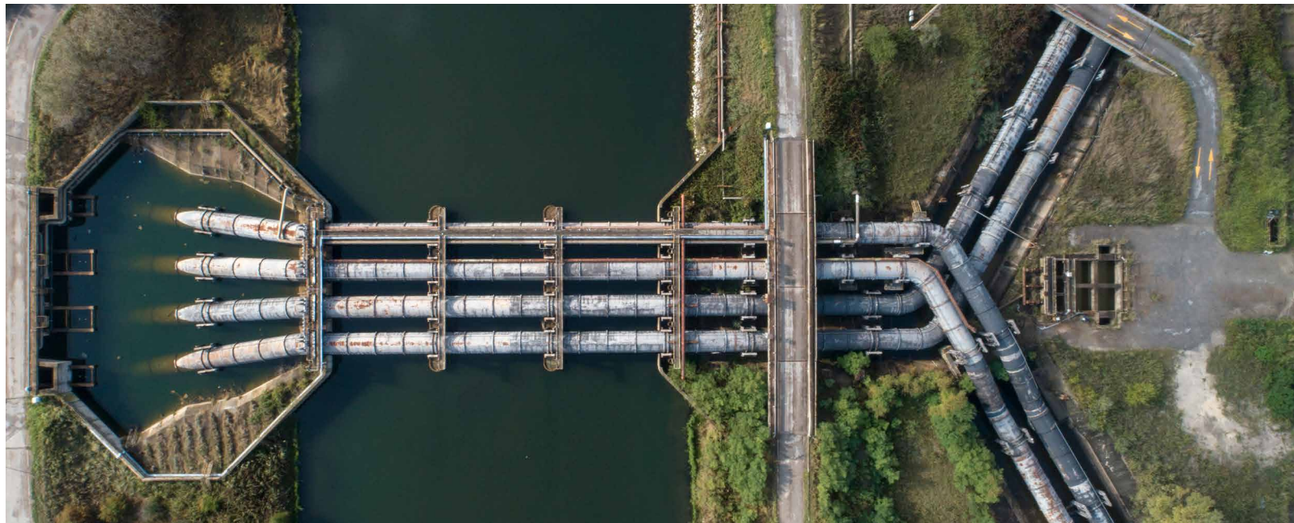
**Specialising in mineral and chemical process pumping and piping engineering.**

Agilitus offers a wide range of expertise in both brownfield and greenfield projects including detailed engineering design, assessment of existing pump and piping assets, construction support and process design.

Our experience spans the full suite of water and slurry transfer projects including marine works, bore fields, raw water, wastewater and process water handling.

## Capabilities

- Slurry pumping and piping systems
- Water pumping and piping systems
- Computational fluid dynamics (CFD) using ANSYS
- Settling velocity calculation
- Network analysis using fluid flow software
- Site troubleshooting
- Slurry storage tank design
- Oxygen injection recirculation circuits
- Thickening and filtration circuits
- Multistage pumping systems - series and parallel
- Chemical storage and dosing systems
- Fire water systems
- Process plant and infrastructure
- Air, water and wastewater services
- Gravity flows and launder designs
- Tails pumping system



# Mine closure & rehabilitation

**Providing an integrated approach to managing mine closure and rehabilitation across the full life cycle of mining operations to leave a positive legacy.**

Alongside managing TSFs, we help our clients with closure plans which extend past the operational stage of when mining ceases and decommissioning is complete. This includes defining post-mining management such as rehabilitation and relinquishment to support the communities where you operate including First Nations.

Agilitus provides multidisciplinary services integrating all engineering and ESG capabilities for the entire mine closure process – from early planning to progressive rehabilitation during operation and culminates with final decommissioning, rehabilitation and relinquishment.

Considering the mining industry's ambitions to achieve net zero emissions by 2050, our experienced professionals work closely with our clients, collaborating to plan and action land and water stewardship as well as rehabilitation.

By leveraging cutting-edge technology, approaches and frameworks, we apply circular economy principles to closure and rehabilitation – to help our clients maintain their social licence to operate, reduce risks and deliver on their ESG goals.

### Capabilities

- Landform design
- Closure support
- Cost estimation & provisioning
- Risk assessments & gap analysis
- Water quality assessment & management
- Stakeholder engagement strategies including cultural heritage management
- Groundwater and hydrogeology
- Mine Waste characterisation
- Soil assessments
- Geospatial modelling, GIS, UAVs
- Integration of closure & rehabilitation plans into LoM plans
- Rehabilitation advice and supervision





# Mulga Downs TSF

Client
HANROY
HANCOCK PROSPECTING

Value
**Undisclosed**

Location
**Pilbara region, WA**

Duration
**2024**

**HanRoy sought our advice for site selection with a number of critical siting constraints including Tradtional Owner sites of significance, environmental wetland receptors and mine planning scenarios.**

Dam break studies were undertaken to ensure residue was not likely to reach and impact environmentally significant wetlands.

### Outcomes

This project involved the assessment and selection of a preferred site and disposal option after consideration of operational, environmental and heritage constraints.

Our team designed the main embankments with consideration for the use of mining equipment only with limited or no access to heavy civil construction equipment using dirty waste rock material for the main embankment.

# Lakeway Mine Closure Project

Client

SO4

Value

**$70M**

Location

**Goldfields, WA**

Duration

**2024**

**Piper Preston has sought our advice to align their closure prioritising costs with their mine closure plan obligations.**

### Outcomes

Agilitus conducted a review of the PP's Closure Cost Estimate (CCE) in line with the Mine Closure Plan (MCP) for the Lakeway site including all plant, equipment, decommissioned mine pit, underground services, borefield, waste rock dumps, roads and salt lake areas.

The review identified a number of risks and opportunities including:

- Rehabilitation topsoil deficits
- Native title clarifications and approaches to minimise the risk of overruns due to misalignment of expectations with Traditional Owners
- Gaps in demolition and disposal strategies
- Waste disposal strategy improvements
- Outstanding rehabilitation, hydrogeological and drainage studies
- Service trenching decommissioning opportunities to reduce overall quantities and cost.

A new Class 4 estimate and associated Basis of Estimate was prepared reflecting the rehabilitation activities, assumptions and clarifications conforming to the MCP's requirements.

Case studies



# Residue Storage Area - Detailed Design

Client

**Undisclosed**

Value

**Undisclosed**

Location

**South West, WA**

Duration

**2024 – present**

**Agilitus worked with our client to re-frame the detailed design of the Residue 2/3 area due to a number of unresolved design issues and unrecognised opportunities to more optimally dispose of filter residue cake.**

### Outcomes

Agilitus identified a number of unresolved risks and opportunities associated with a previous consultant's detailed design of the Residue Area 2/3 deposition area to optimise deposition of fine grained residue mud. This involved:

- Additional targeted borehole drilling and CPT probing to characterise the extent of saturated, contractive residue mud in the foundations of the new RSA 2/3 deposition area.
- Scoped and supervised additional drying trials, compaction trials and laboratory characterisation of FRC in various states of compaction.
- Designed staged construction of the residue areas to optimise future deposition using consolidation and strength gain of historically deposited residue rather than more costly ground improvement methods.
- Preparation of design report confirming compliance with DEMIRS and ANCOLD requirements.

Case studies

# Mt Marion TSF

Client

MINERAL RESOURCES

Value
**Undisclosed**

Location
**Goldfields, WA**

Duration
**2024**

**We developed a TSF Operating Manual for an existing in-pit disposal site in consideration of new environmental operating requirements and the practical needs of the operations team on site.**

Change management was required to address new compliance requirements and historical disposal activities. A change in the project engineer of record part way through the process caused disruption and delays to project delivery.

### Outcomes

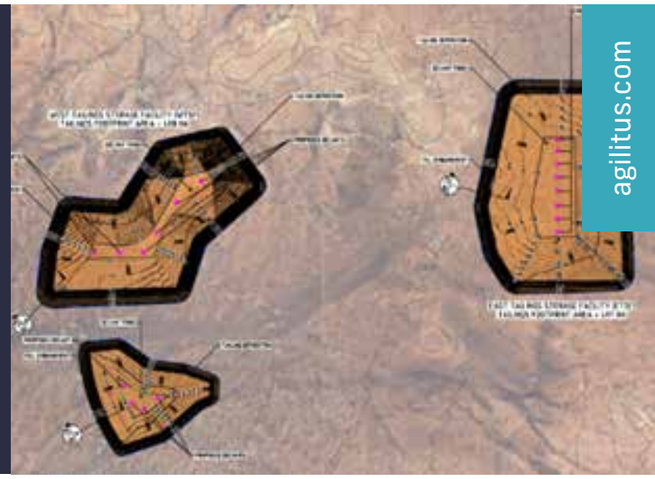
A live tailings operations manual was developed following facilitated meetings between the operations, environmental and corporate management teams.

The site is now operating under the new manual with no identified issues.

Case studies



# Order of Magnitude REE Tailings Storage Facility (TSF) Design



Client
**Undisclosed**

Value
**Undisclosed**

Location
**WA**

Duration
**2025 – 2026**

**Agilitus was commissioned by the client to prepare an order-of-magnitude cost estimate for the Rare Earth Elements (REE) Project located in Western Australia.**

The project scope involved preparing a basis of design for the Life of Mine (LOM) above ground tailings storage facilities. The design involved three tailings storage facilities to accommodate Life of Mine tailings storage requirements. The maximum height of the facility storage facilities was 60 m. An order of magnitude cost estimate was prepared while considering all tailings delivery infrastructure. The tailings design included facilities spread over 1,000 ha to LOM storage. The design considered starter embankments for East and West TSF and then 5 m raises to accommodate tailings storage requirements.

Case studies

# You're in good company

**We work alongside many notable companies across Australia.**

# Technical excellence

**We are passionate about leveraging our technical ingenuity to solve complex problems.**

Technical excellence is the bedrock of our business. It drives our people and propels the outcomes we provide for clients, communities, asset owners and operators, and financiers.

Our dedicated professionals and subject matter experts focus on understanding our clients' business objectives, their desired project outcomes, as well as the latest industry research for the sectors in which we operate.

### A premium client experience

The success of our project work depends on leveraging the best expertise of our people. That's why we allocate the most qualified professionals to help realise our clients' development vision and bring their projects to life.

Our work is underpinned by strong engineering design principles, industry-leading technology and pragmatic advice to deliver exceptional outcomes, every time.

This approach provides the following benefits:

- Ease of understanding of regulatory frameworks
- Efficient navigation through the development approvals process
- Protection and preservation of our cultural heritage, the environment and waterways
- Healthy, transparent and trusted relationships are established with stakeholder groups
- Respectful liaison with Traditional Owners is undertaken
- Fair and equitable outcomes are achieved for First Nations' communities
- Project knowledge is retained, including lessons learned
- Innovation is embraced and deployed.

The quality and excellence of our world and ability to deliver the best technical and cost-effective solutions for our clients is guided by our Technical Leadership Team.

### Technical Leadership Team

Led by the most senior members of our business, this team facilitates learning and knowledge transfer, professional collaboration and mentorship to drive continuous excellence in our technical capabilities. It also encourages our people to perform to high technical standards and rewards staff for incorporating innovation into projects.

**Our dedicated professionals and subject matter experts focus on understanding our clients' business objectives, their desired project outcomes, as well as the latest industry research for the sectors in which we operate.**

# Safety is at the heart of our business

**Our diverse and culturally aware teams embrace safe work practices that are environmentally sound.**

Safety is integral to everything we do at Agilitus. We care about our people, clients, and the communities in which we operate, and strive for zero harm in everything we do.

Health, safety and quality are embedded in our work practices, while heritage and sustainability are considered throughout the entire project lifecycle.

We recognise the importance of continuously reviewing safety in design issues at all stages of a project, from investigation, design, construction, operation (including maintenance), closure and rehabilitation.

Exceeding regulatory obligations, we leverage a formalised Health, Safety, Environment and Quality Management framework that allows us to analyse and implement practical measures to mitigate risks.

### Leadership

- Understanding of client needs
- Technical Leadership Team governance
- Strong chartered presence
- Adherence to technical standards & regulatory instruments
- Committed to technical excellence
- Striving for low-carbon impacts

### Systems

- ISO Accredited Quality Management System (QMS)
- Design assurance
- Engineering verification procedures
- Safety in Design
- Net Zero in Design
- Risk mitigation & management
- Project governance (action tracking, monitoring, performance and auditing)
- Continuous improvement (lessons learnt)

### Characteristics

- Client centric
- Risk adverse
- Reliable
- Accountable
- Innovative
- Simplification
- Community and culture





Our vision is to be the most sought-after global multidiscipline engineering business; attracting and employing the best people with like-minded values while working on projects that make a difference to our communities.

**We are Engineering Amplified**

# Let's talk about your project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