



Digital Consulting

Capability Statement



We are **Engineering Amplified**

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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



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 multidisciplinary 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.



Digital transformation of the engineering industry

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

Our Digital Consulting & AI Services empowers clients to unlock infrastructure intelligence and make confident, data-driven decisions.

As digital transformation accelerates across the engineering industry, advances in computing power, artificial intelligence and advanced analytics are increasing the data available and reshaping the asset lifecycle from planning and design through to operations and closure.

We help clients take advantage of these opportunities and unlock infrastructure intelligence, whilst managing the cyber risks. We navigate the rapidly changing landscape to help you go from "what-is?" to "what-if?" and "what's best?"

Key Capabilities

- Advanced Data Analytics
- Operations Simulation
- Artificial Intelligence
- Digital Advisory

Advanced data analytics

Assisting asset owners and operators in moving from data to decisions with the support of advanced data analytics.

With 90% of the world's data generated in the last two years with 400 million terabytes added daily, the ability to make data-driven decisions is more important than ever. This requires an ability to extract insights from the vast quantities of raw data. Data Analytics techniques assist asset owners and operators in moving from data to decisions.

There are four categories of Analytics services, each providing additional value:

Key Capabilities

- **Descriptive Analytics** – "what is?" – cleanse, analyse and summarise current and historical data to understand the current state and performance.
- **Diagnostic Analytics** – "what was?" – identify root causes of inefficiency or defects from existing data and provide solutions to improve performance.
- **Predictive Analytics** – "what if?" – develop data models to identify patterns, predict future performance and conduct scenario analysis.
- **Prescriptive Analytics** – "what's best?" – develop models that recommend optimal solutions to drive data-driven decision making.

We use a range of tools including Python, Power BI and Tableau to deliver quantitative services throughout the infrastructure lifecycle. This enables data to be analysed at scale and models to interface with enterprise systems.

In the field of Asset Management Analytics, our partnership with Silver Edge Technologies (SET) unlocks extensive industry-leading experience in data-driven predictive maintenance. Agilitus's Digital Consulting Team have the experience to unlock the benefits of analytics in an engineering context, to enable true infrastructure intelligence.

Capabilities

- Waterways Investigation and Design
- 1D and 2D Surface Water Modelling
- Flood Risk Assessment
- Hydrological and Hydraulic Analysis
- Water Supply and Yield Studies
- Water Balance
- Modelling
- Mine Site Water Management
- Surface Water Management Plans
- Yield Assessment Studies
- Dam Design and Dam Failure Assessment
- Environmental Hydrology
- Water Quality Assessment
- Surface Water Monitoring

Descriptive Analytics
"What is?"



Descriptive Analytics
"What was?"



Predictive Analytics
"What if?"



Prescriptive Analytics
"What's best?"



Operations simulation

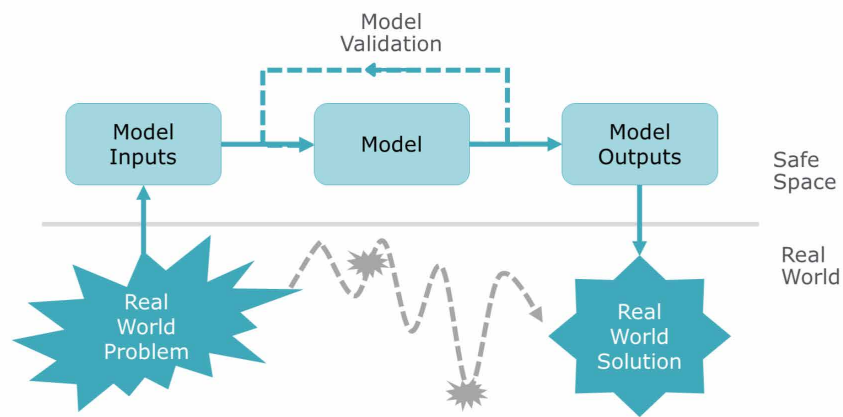
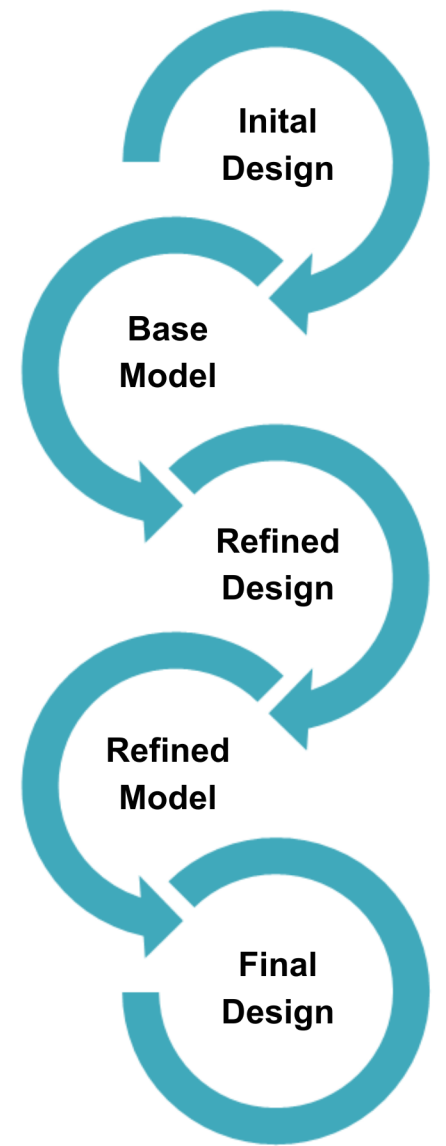
Utilising leading solutions to generate operations simulations to support design inputs.

Predicting how infrastructure will perform in the real world can be complex, and subject to unknowns and variability. A new asset may not have historical data to support statistical analysis, whilst an existing asset may have upstream and downstream dynamics that impact overall performance.

Operational simulation allows the performance of complex systems and supply chains to be predicted under a range of input assumptions, with bottlenecks or excess capacity identified at an early stage. A range of scenarios can be analysed to answer 'what-if' questions in modelling space, thus saving costs and enabling a wider variety of solutions to be tested than is possible on the ground. By having the capability inhouse, Agilitus can identify and realise these efficiencies at design stage, and create an optimised design for our clients.

We've provided these 'operational digital twins' for transportation, mining, processing and manufacturing clients. This has enabled optioneering studies, capacity analysis, debottlenecking, fleet sizing, process modelling and optimisation, time usage studies and asset performance prediction.

We use industry leading discrete-event and agent-based tools such as Simio and AnyLogic in addition to code-based solutions. By being solution agnostic we can choose the right tool for the job. Agilitus



Artificial intelligence

Leveraging advanced Generative AI and cybersecurity expertise to deliver customized Large Language Models, enhance situational awareness, automate image processing, and optimize data-driven processes.

Recent advances in Generative AI enable vast amounts of structured and unstructured data, including text, to be rapidly analysed and augmented.

Agilitus has the specialist experience and cybersecurity protections to enable these techniques for our resources, industry and transport clients.

We use the latest class services from Microsoft and OpenAI to deliver customised Large Language Models capable of summarising and providing insights and suggestions from thousands of documents, including policies, procedures or historical datasets.

The source documents are not shared with technology providers, and the resulting models can be interacted with via a virtual assistants.

Agilitus are also developing custom AI models of historical projects to increase situational awareness and productivity on new projects.

In the field of object detection and image processing we automate counting and classification of imagery and video, speeding up data collection in safety critical environments. We use process mining and automation to improve the efficiency of data-driven processes. Our Digital Consulting Team are trained to respect intellectual property rights and distinguish between reusable and confidential data.

Silver Edge Technologies

The Agilitus group of companies include asset management and technology specialists, Silver Edge Technologies (SET). Agilitus and SET work collaboratively to deliver technology focused solutions to our customers. Together, we possess the essential skills and capabilities needed to support our clients in the resources, energy and industrial sectors.

SET offers a pragmatic approach to asset management, emphasising efficient and effective maintenance strategies that leverage domain knowledge, data analytics, and technological solutions.

SET address the 'real' problems of asset owners, operators, and network managers by applying our industry expertise and aligning with our customers to ensure we understand their assets by following a structured approach that provides industry relevant solutions.

From our collaborative office environment, Agilitus and SET are proud to expand our relationship with our clients, drawing on our collective knowledge of their operational challenges to deliver optimal value.





Digital advisory

With a unique blend of sector and data science experience, we provide strategic advisory services.

We pride ourselves on delivering advice that is customised for the sectors we operate in. Specific services include:

- **Data & Technology Strategy**

Planning how various technologies, including AI, can be leveraged to achieve business objectives and improve efficiency.

- **Digital Transformation Program Support**

Guidance and expertise to help clients realise their digitisation and automation plans.

- **Operational Process Improvement**

Using data and modelling to identify improvement opportunities and quantify the impact of potential solutions.

- **Peer Review Services**

Independent, objective expert assessments including stakeholder engagement, problem definition, assessment of solutions, and improvement recommendations.

As an agile, rapidly growing company we have the ability to provide additional services as required by specific projects or industries.

Net Zero Advisory & Scenario Analysis

Utilising Net Zero in Design (NZiD), we successfully navigate the rapidly evolving technology and regulatory landscape to provide a clear strategy to Net Zero with scenario analysis.

Our Energy team's pragmatic approach combining expertise from our Digital team enables us to reduce capital expenditure in both energy generation and supply while achieving an overall reduction in Levelised Cost of Energy.

We design solutions to minimise risk in system reliability and energy supply while managing both short and long term uncertainty in energy pricing, technology development and regulatory requirements.

Key Capabilities

- Energy Resource & Technology Studies
- Risk Management (Technical, Project and Commercial)
- Demand Side Management, Energy Efficiency & Auditing
- Site Identifications
- Network Node Analysis
- Life Cycle Assessments, Decarbonisation and Net Zero Strategies

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 work 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 life cycle.

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.



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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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



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