



LIQUIMECH[®]

Edition II

Driving Bottom Line Efficiencies through
Innovative Engineering

Contents

Our Mission, Vision & Values	3
Company Profile	4
Our Process	7
Our Capabilities	13
Quality Assurance & Environmental	14
OHS	15
Standards we comply with	16
Standpipes	18-20
Standpipe Accessories	21
Liquimech Underground Dewatering System	22-23
Pump Hoppers & Underground Fish Tanks	24-25
Sediment Tanks	26
Break Tanks & Bulk Water Storage	27
Dust Suppression Systems	28-29
Mobile Wash Down	30-31
Guarding	32-33
Modified Containers	34-35
Handwashing Systems	36-37
Bollards / Road Ramp	38
Diesel Tanks	39
Spooling	40
Walkovers	41
Industrial Process Tanks and Systems	42-43
Foot Valves & Strainers	44-45
Pipe Floats	46-47

Our Mission, Vision & Values

WHAT ARE WE

Our Mission

To provide solutions that drive bottom line efficiencies.

Our Vision

To be the partner of choice to the mining, industrial and commercial markets. Guaranteeing consistent bespoke solutions that truly drive bottom line efficiencies through innovative engineering.

We are practical, tough, reliable and down to earth.

We are customer centric; prepared to go the extra mile to provide customised solutions that meet specific customer needs.

Values

Loyalty

We act with loyalty and integrity in all business functions.

Inventiveness

We are responsive to change and new needs, and challenge the status quo in every step to ensure we create the best outcome is achieved for our clients.

Quality

Quality of product, service and delivery are the life blood of our organisation.

Understanding

A deep understanding of the markets we service & the clients we partner with, ensures we create better solutions.

Ingenuity

Ingenuity runs deep in our organisation, being at the forefront of our industry in innovative technologies and are always on the hunt for a better way to do things.

Measurable Results

Results for our clients is what keeps our team engaged and hungry for the next challenge.

Eager

Our team have a burning desire to do better on a momentary basis. Quicker, safer, better.

Camaraderie

Being a team of driven individuals with the intent to better profitability and lives of our clients creates a camaraderie with our people and clients alike.

Honesty

Honesty is the base of all things good and is central to all things Liquimech. From our first contact you will find us to act with honesty and openness.



Company Profile

Born out of a need for high quality, engineered for purpose with second to none, operational efficient products, Liquimech specialises in solutions that have the safety & efficiency of the user at the forefront. All products and projects follow our core mantras of:

Increased Safety, Increased Productivity, Decreased Downtime & Decreased OPEX Costs

As an Australian-owned and -operated business, we focus on delivering high-quality, innovative solutions to clients across Australia. Along with our range of modular standard product, Liquimech specialises in turnkey liquid management packages, access solutions, structural and bespoke poly packages.

Our team members are the heart of Liquimech. Our employees are what make Liquimech different from our competitors. Our team has a deep understanding of operating in remote areas of Australia, so we can relate to the tough conditions and environment you deal with daily. That is why we are committed to finding the right solution for you.

As a proud Australian business, our people stand behind our products and services. With our global procurement network and concept-to-delivery, engineering, and manufacturing capabilities, we have the resources and expertise to design and build solutions that are built for our incredibly harsh conditions.

We would like to assure you that we endeavour and strive diligently to provide the commitment and stability you deserve in a rapidly changing world.



Ingenuity in design that's driving a new era in Value Engineering

Practical utility, efficiency, durability and ease of use all start with the very first line on the blueprint. That's why Liquimech Group don't focus on the form of existing solutions but rather on the function you want to fulfil – and whatever it might require. By applying first principles thinking, we have proven ourselves in field after field, growing to consult and deliver right across the divisions of mining and construction.

We've earned a deserved reputation for excellence among heavy industry and government organizations alike. But it's not purely the quality, reliability and functionality of our clever solutions that have driven our ongoing growth and the evolution of our range.

Nor is it simply our design, engineering and manufacturing expertise.

Its more fundamental than that.

Listening, evolving, solving.

The most crucial skill in our proven engineering process is the ability to listen and build relationships.

This is what underpins our expertise in designing and delivering cost-effective, quality-assured solutions that drive performance both operationally, safely, adding tangible operational and strategic value.

It's the foundation of our global sourcing and procurement network, which gives our clients access to the largest range of high quality products at the lowest fleet and bulk-purchasing prices.



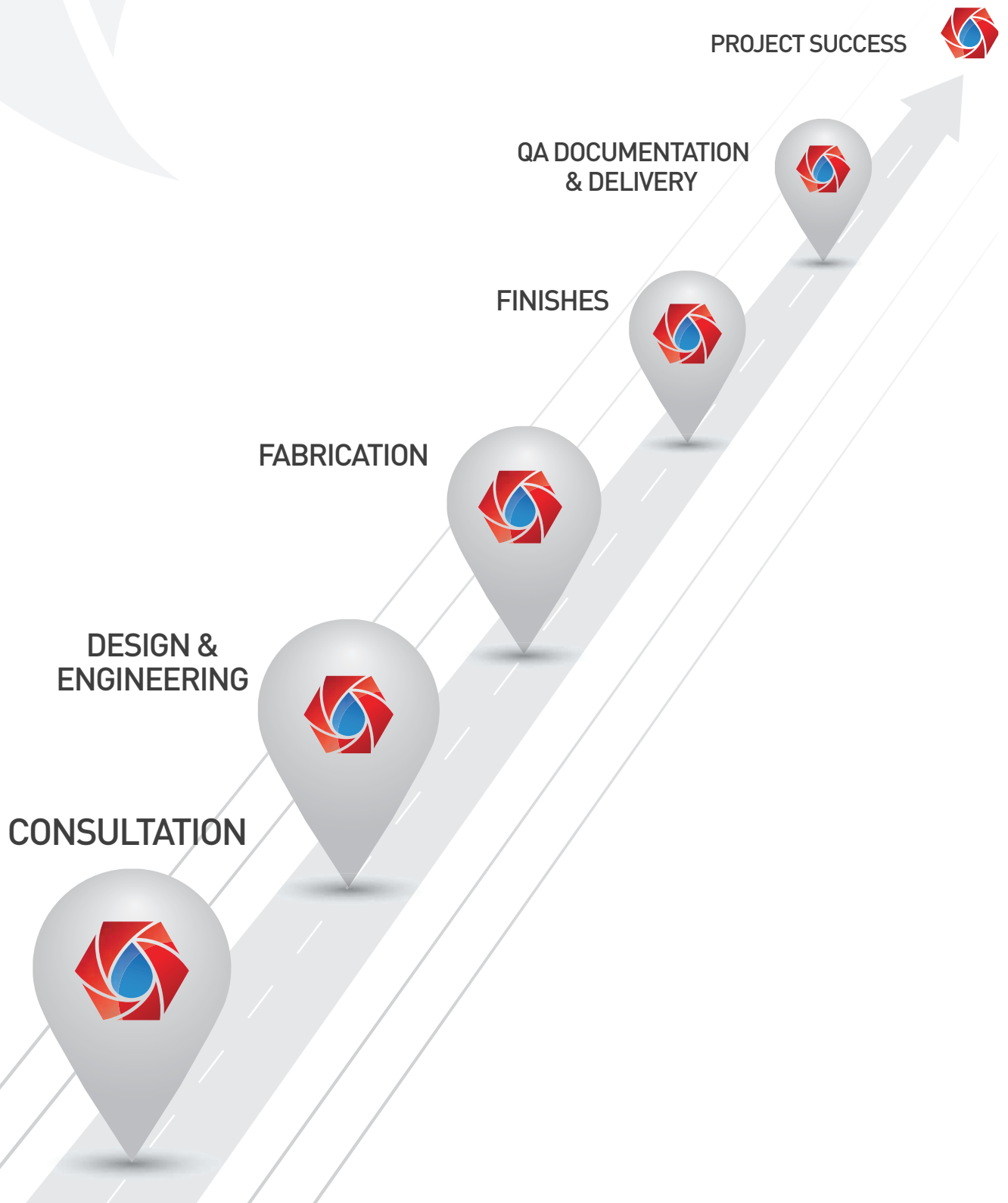
Driving Bottom Line Efficiencies through Innovative Engineering

Our solutions are built to handle any challenge - designed and extensively tested to ensure they perform, even in the harshest and most remote environments.

We pride ourselves in being able to offer solutions to our clients, by listening closely to their needs, and designing and manufacturing to best suit their operational and budgetary requirements. With this approach, our aim is to help our clients save costs, increase production, increase safety outcomes - and most importantly increase your bottom line.



Our Process



Consultation

We engineer specialist solutions by working closely with you, to understand your unique requirements. No matter where, from major cities to the harshest, unforgiving regions, our specialist consultants are ready to solve your unique challenges. Our team will discuss your unique operational challenges and acquire a deep understanding of how your organisation runs and its unique requirements.

We have offices and distribution locations all over Australia including Perth, Adelaide, Melbourne, Devonport, Sydney, Rutherford, Brisbane, Rockhampton, Gladstone, Townsville, Mt Isa & Darwin so wherever your problem exists our team can help.

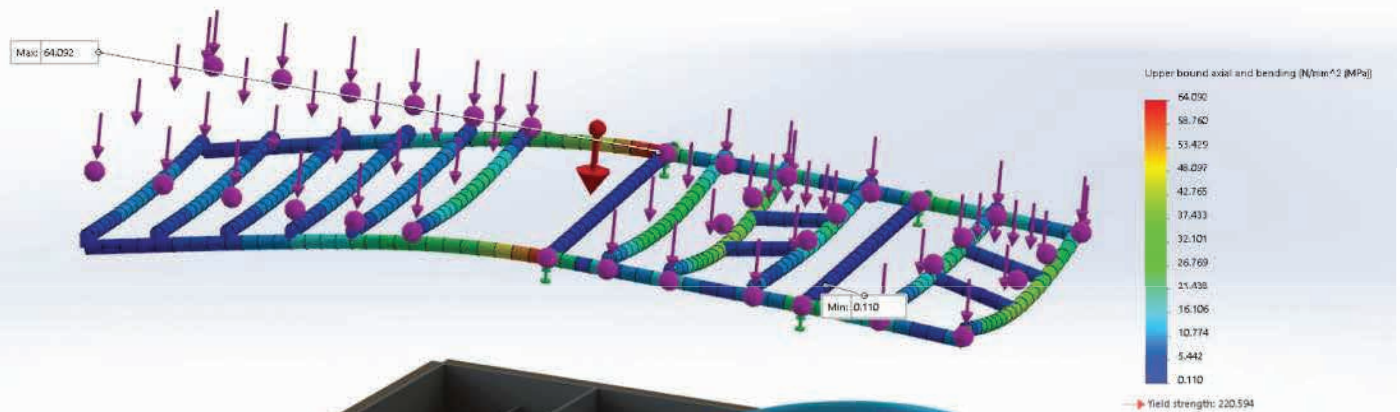


Design

Once our consultants have returned from our discovery session and have a deep understanding of your unique operational, technical and budgetary requirements we will begin to formulate a design. In our design phase we will ensure all relevant Australian codes Standards are met. Once your solution has passed through our core mantra's of increased downtime and a reduction in OPEX costs, the solution is then moved onto the engineering phase.

Engineering

Liquimech solutions undergo vigorous engineering tests to ensure they can withstand the harshest conditions in which our solutions perform. Extensive finite element testing, computed fluid design, civil or a combination is all in a day's work for our specialist engineering team. Where needed our work can also be third party verified or RPEQ certified.



Fabrication

Fabrication of our solutions are carried out with modern state-of-the-art equipment and specialist trades personnel.

In our steel division our highly qualified team includes, fabricators, sheet metal specialists, and heavy welders, some of which have worked all over the world, bringing extensive knowledge and decades of experience to our skilled team.

Our skilled personnel are proficient in MMAW, GMAW, FCAW, GTAW and work with all steels and alloys to standards including but not limited to AS1554 and AS3992.

In our poly workshop, our highly qualified and fully trained team are accredited (DVS certified) to perform all methods of plastic welding: electro fusion, socket fusion, IR welding, solvent cementing and butt fusion.

Our work can be third party NDT'D (Non Destructive Tested) with complete tractability of consumables, materials and personnel.



Finishes

Depending on what finishes required, solutions are then moved on through various processes. These include

- Hot Dip Galvanising
- Blast and Paint
- Pickling

Blast and painting is carried out inhouse by our qualified painting team to enable your project to travel direct to site. Our skilled team can blast and paint to any spec and include full traceability including blast tests, salt tests, ambient tests to all the highest standards.

Hot Dip Galvanising is carried out as per AS/NZS4680



QA Documentation & Delivery

Our solutions go through an in depth sign off process where all items are checked as per the specification and drawings to which they are to comply to. Our systems process and manufacturing are carried out in accordance with ISO9001.

Once finishes have been signed off by our QA team, Liquimech fit for purpose solutions are then assembled and packed for transport for delivery anywhere in Australia.



Capabilities

Mild, Stainless and Alloy Capabilities

Cutting Capabilities

Profile cutting up to 100 mm plate

Laser cutting up to 25 mm plate

Pressing Capabilities

Wearplate/Hardox 450		Structural/Weldox 700		Grade 250 Mild Steel		Grade 350 Mild Steel	
12mm	8,000mm	16mm	8,500mm	20mm	10,500mm	20mm	9,000mm
10mm	12,000mm	12mm	12,000mm	16mm	12,000mm	16mm	12,000mm
8mm	12,000mm	10mm	12,000mm	12mm	12,000mm	12mm	12,000mm
6mm	12,000mm	8mm	12,000mm	10mm	12,000mm	10mm	12,000mm
5mm	12,000mm	6mm	12,000mm	8mm	12,000mm	8mm	12,000mm

Pipe Bending and Rolling

Plate Rolling

HDPE and Poly Composite Capabilities

- Polyvinyl Chloride (PVC)
- High Density Polyethylene (HDPE)
- Acrylonitrile-Butadiene-Styrene (ABS)
- Polypropylene (PP)
- Polyvinylidene Fluoride (PVDF)
- Ethylene Chlorotrifluoroethylene (ECTFE)

CNC Cutting up to 100MM

Pressing & Folding

Pipe Rolling

Sheet Rolling

Our highly qualified and fully trained team are accredited (DVS certified) to perform all methods of plastic welding: electro fusion, socket fusion, IR welding, solvent cementing and butt fusion.



Quality Assurance

As an Australian based company, we know firsthand the harsh environments our solutions frequently encounter. Our systems, processes and manufacturing are carried out in accordance with ISO9001. Liquimech is highly invested to ensure all processes are controlled, from design to delivery.

To ensure our products are robust, fit for purpose and consistently of the highest standard, Liquimech has stringent manufacturing processes that allow our products to be tested to rigorous Australian standards. To complement our products; our documentation, delivery and customer service processes have been developed to ensure our customer relationships and renowned levels of customer service, continue well into the future.

You can be confident in knowing that you are dealing with a company which is highly quality centric to provide you the utmost assurance of quality, value, and an ongoing committal of continuous improvement.

Environmental Policy

Liquimech recognizes the need to ensure all our activities are conducted in a manner which does not have an unnecessary adverse impact on the environment.

To achieve this objective, procedures have been established for the efficient use of materials and resources, the maximum recycling of waste product/flash trimmings etc. and ensuring that all staff are aware of their environmental responsibilities through training and effective lines of communication.

Compliance with this policy will ensure that the interests of all staff and the wider community are protected from any adverse effects.

Occupational Health & Safety Policy

Liquimech recognises its moral and legal responsibility to provide a safe and healthy work environment for all employees, contractors, customers, and visitors. This commitment extends to ensuring that the organisation's operations do not place the local community at risk of injury, illness or property damage.

Liquimech will:

- Provide safe plant and systems of work
- Provide procedures and instructions to ensure safe systems of work
- Ensure compliance with legislative requirements and current industry standards
- Provide information, instruction, training and supervision to employees, contractors and customers to ensure their safety
- Provide support and assistance to employees

Each management representative is accountable for implementing this policy in their area of responsibility. Management is responsible for:

- The provision and maintenance of the workplace in a safe condition
- Involvement in the development, promotion, and implementation of health and safety policies and procedures
- Training employees in the safe performance of their assigned tasks
- The provision of resources to meet the health and safety commitment

Employees are to:

- Follow all health and safety policies and procedures
- Report all known or observed hazards to their immediate supervisor or manager

This policy is applicable to all operations and is endorsed at the most senior level of management.

Standards

Some of the standards and codes our solutions cover are:

AS/NZS 1170.0: Structural Design Actions

AS/NZS 1170.1: Permanent, Imposed and Other Actions

AS/NZS 1657: Fixed platforms stairways and ladders

AS/NZS 4100: Steel Structures

AS/NZS 1664: Aluminium structures

AS/NZS 1163-2009 steel hollow sections

AS3679/300 or AS/NZS 3679.1: 2016 steel strength for grade 300

AS/NZS 1554: Structural steel welding

AS/NZS 3992 : Pressure equipment - Welding and brazing qualification

AS4100 : Steel Structures

AS1627.4-2005 : Metal Finishing - Preparation and pretreatment of surfaces, Part 4: Abrasive blast cleaning of steel

AS/NZS4680 Hot-dip galvanised (zinc) coatings on fabricated ferrous articles

AS/NZS 2312: Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings



To discuss your unique operational,
technical and budgetary requirements.

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