

Valorem Engineering

Capability Statement



Message From Wiremu - Managing Director

I've never been so ready to make my knowledge, passion and expertise available to people who need it.

Possessing a mind that questions why and how every single thing works was something of a genetic inheritance, handed down to me by my father. Before I was born, Dad was running a successful engineering company which is still operating today. My young, developing brain was insatiably driven by two lines of questioning: *WHY?* and.. *HOW?*

Growing up on a farm, my mechanical toys didn't stand a chance as I destroyed them just as soon as I built them; it was essential that I understood their every function and how they were constructed.

Throughout my youth I worked hard to harness the skills of technical drawing, art, and maths. With my inquisitive mind together with an unwavering commitment to hone these practices, my experiences broadened and so too did my skills in the engineering world.

Valorem Engineering is a manifestation of a dream evolving since childhood. I know that one day the ideas will materialise in a way much bigger than myself.

While Valorem is about meticulous and powerful engineering, we also seek to add value to the life of others. Our working culture is built on a solid foundation

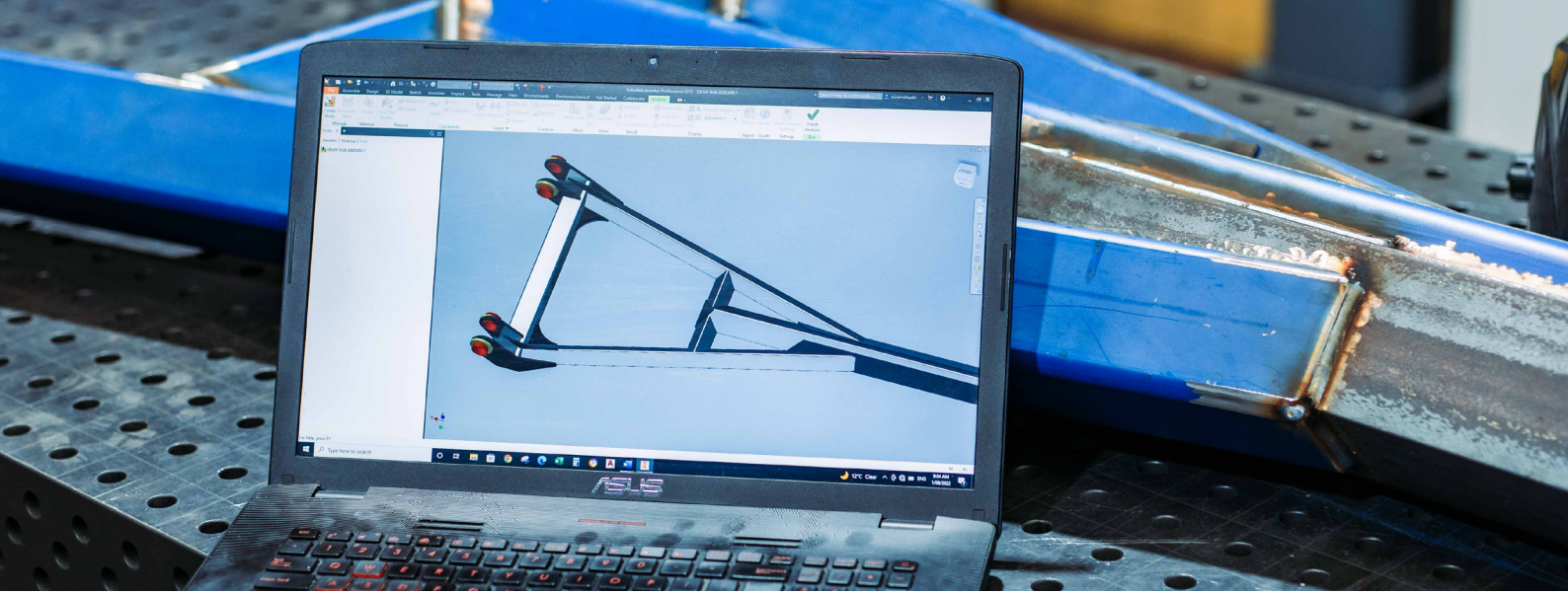
of people-passion. It is a place where clients are seen and heard – and always leave with a smile. We are a team environment that succeeds in our delivery, because we take pride in our work and value our clientele.

In pouring my life's work and energy into starting this enterprise, so many deeper aspects of myself started to surface. These beliefs can be summarised in the following:

- I have an innate desire to help and provide solutions for others
- That remarkable ingenuity can be achieved from the resourcefulness and skill-set of a dedicated team
- That I have particularly high standards of myself
- That the standards of the people with whom I work must also be high
- That my best personal self comes through when I am being genuine
- That when I put my mind to something, nothing is able to derail my focus, commitment and achievement

I've never been so ready to make my knowledge, passion and expertise available to people who need it.

Wiremu Heath
Managing Director



About Us

| Fabrication and machining you can trust.

Valorem Engineering Group Pty Ltd is a fabrication and precision machining manufacturer of custom electromechanical machines and engineering equipment for industries such as mining, oil & gas, wastewater, agriculture & horticulture, 3D printer technology, and subsea ROV. We also specialise in the service and repair of your rotating equipment.

We offer our clients multiple engineering services in-house and look to bridge the gap between design and fabrication. Our high technical ability and engineering

knowledge, coupled with our in-house capability means we can provide valuable feedback for your product development while also ensuring product quality and high standards are maintained. We help you achieve your project requirements with confidence.

Choose to work with us. We will analyse your technical information. Ask questions to gain insight into the functionality of your project. All with the aim to offer manufacturing solutions to achieve the best results. We service clients all over Western Australia.

Our Mission

To create an environment where we add value, people enjoy visiting and leave with a smile.

Our Philosophy

To build strong client relationships by upfront offering exceptional value. Through listening to gain insight, collaborating with the client, communicating expertise, open transparency, and honesty.





Services

Engineering & Design

Engineering and design is a process. Before we engage resources, we look at what you want to achieve and see how best we can help you achieve those results.

We are passionate about engineering and endeavor "To understand your project requirements to provide better engineering solutions and great value!" To help fulfill these requirements we ask questions and look to collaborate where possible.

In today's modern world of manufacturing, we utilise 3D CAD / CAM software to help maintain high standards. These great tools can save costly mistakes. Areas, where we add value, include design for manufacture, collaboration with peers, and finding innovative ways to design and manufacture products efficiently. This, coupled with engineering qualifications and experience, offers rounded solutions.

Mechanical Fitting

Mechanical fitting is assessing and gaining information to formulate an idea of functionality before lifting a tool. Our team of highly skilled tradesmen with a broad understanding of engineering mechanics are confident in the manufacture and service of your machines and engineering equipment.

At Valorem Engineering, we are competent in the assembly of precision components for additive manufacturing, oil & gas, marine, and mining industries.

Our experienced team is proficient in reading technical drawings and interpreting written instruction. To ensure success, we use precision measuring equipment and are confident with the use of thermal expansion, cryogenic freezing, and induction heating.



CNC & Manual Machining

Precision machining is another quality process we offer. We have specialised machinists with decades of experience in CNC programming & Manual machining.

Our skilled staff are competent in reading detailed engineering drawings and are familiar with geometric tolerancing and are comfortable working to tight tolerances. Before we start any machining, we ensure the machinist understands what your job requirements are and discuss the machining process to ensure success.

Valorem Engineering has experience working for industries such as Subsea, agriculture, mining, oil & gas, additive manufacturing and we are familiar working with plastics, common materials, and specialised materials.

Machinery Met Seki

3 Axis machining centre
3 Axis machining centre X - 1000mm, Y - 550mm, Z - 675mm, 24 head tool changer

HAAS VF 3

3 Axis machining centre
X - 1016mm, Y- 508mm, Z- 635mm
Hartford Omnis
3 Axis machining centre
X- 1000mm, Y- 500mm, Z- 500mm

YANG CK-3B

2 Axis CNC lathe
Swing over bed – 450 dia flange work
Maximum machining X -390 dia, Z- 1320mm long
Spindle bore 90mm

Feeler FTC

2 Axis CNC lathe
X – 200m dia, Z - 380mm
Spindle bore 50mm and bar feeder capability
Manual Lathe equipped with digital readout scales
Swing 400 x 1500 long
Spindle bore 65mm
Manual mill equipped with 3 x-axis

Fabrication

Yes, we offer you welding and fabrication services as a part of our in-house capability. We are competent at using MiG, TiG, and are familiar with welding mild steel, stainless steel, and aluminum. Having many years of experience, we understand how heat can affect what we are trying to fabricate and have learned valuable skills on how to manage your heat distortion.

WE OFFER:

General welding and repairs of non-ferrous and ferrous materials.

Fabrication of light to medium structures made from carbon steel, stainless steel, and aluminum.

With increased demand Valorem Engineering is looking to upskill its current workforce to provide certified welding qualifications in compliance with AS/NZS 1554-2014 and welding procedures in compliance with AS/NZS 1554-2014, material certificates, consumables certificates, and material data reports.

Please contact us to discuss your requirements.

Company Vision & Culture

To create a ripple effect of contribution & giving.

Culture

Valorem Engineering is a modern professional engineering services company that prides itself on continually providing high standards. To be successful as a company we need to invest in attracting the people that believe in our culture and principles we also need to provide a safe environment to foster innovation.

To create a ripple effect or positive cycle of continual contribution and giving we want to lead others in their own personal growth and development to achieve new high standards, who in turn lead others.

Psychological safety is where we feel safe, secure that we can speak our mind in a candid and constructive manner. Be heard and understood.

High standards working smarter to achieve better results and to supply a better service.

Integrity is doing what we say we do.

Accountability. Having courage to say I do not know, or I made a mistake.

Do the right thing. Treat our colleagues and organization with respect, treat people as we want to be treated.

Trust is we can rely on team members to help and be accountable to do the right thing.

Understanding and Communication. Steven Covey seeks first to understand by asking questions. Communication is the ability to clearly communicate desired outcomes. Communication needs to be objective orientated.

Teamwork is confidence we can ask and receive help and working towards a common goal. We are only as strong as our weakest member.

Discipline is trusting to keep continuing achieving high standards even when it gets tough.

No blame. We fail intelligently, and we learn from our mistakes as this is growth and development.



