



FUTURE ENGINEERING DEFENCE

Assured Capability for the Future.

CORE CAPABILITIES

- Multi-method CNC manufacturing and repair of complex and bespoke components, including fabrication, assembly, welding, turning, milling, 3D printing and wire-cutting.
- End-to-end product development and support: CAD design; prototyping and large scale fabrication; surface treatment; testing, including load and weld testing; obsolescence support, including development and certification of manufacturing and repair data for equipment no longer sustained by original supplier.
- Advanced certified welding, including gas tungsten arc welding, gas metal arc welding, flux cored welding and shielded metal arc welding.
- Harness diverse materials including nickel, chrome, stainless, mild and high-tensile steel, titanium, advanced alloys (including inconel and monel) and plastics (including Vesconite and PTFE).
- Nine high precision fabrication machines, including 5-axis capabilities & maximum turning diameter up to 600mm.
- Highly skilled first class machinists and programmers.

OUR KEY CUSTOMERS

Core Industries: Oil & Gas, Mining, Rail and Surgical

- **Peak Well Services** – Wire-line Tools, Down-hole Tools
- **Speno Rail Maintenance** – Rail Maintenance: bogies, wheels, trolleys, chucks, mini-grinder, grinding and ultrasonic trolleys
- **Tricon Drilling Solutions** – Lifting equipment
- **AVI Australia** – Rugged turbine chassis
- **FALK Australia (Rexnord)** – transmission components.
- **Proserv Australia** – Oil and gas / Subsea Components.
- **CSIRO** – Autonomous triaxial cell assembly

“With this kind of service which is everything in today’s competitive market and delivering on time I can’t see why we shouldn’t have many more orders for you in the future”.

Robowash Australia

“Future Engineering has proven themselves over the past 5 years to be one of our most reliable suppliers. Their capability, flexibility and QA makes them our first choice for specialty component machining.”

FALK Australia

OUR DISCRIMINATORS

Providing you a complete solution at the right price and lowest risk.

Whole of life support:

- End-to-end product development and support: contract manufacturing capabilities, design, prototyping, reverse engineering, Co-ordinate Measuring Machine (CMM) capability, testing, surface treatments and advanced obsolescence support, including generating repair data.
- Ability to support any project, at any point in its life, or from start to finish.

Flexibility, Breadth, Precision:

- Efficient delivery of small-to-large production runs of differing items in constrained timelines.
- Demonstrated capacity to service widely different industry sectors, from medical steel to high pressure, complex oil and gas and power transmission components.
- Manufacturing to precise tolerances, using advanced machinery and highly trained staff.

Assurance:

- Demonstrated reliability: 26 years of successful support to oil & gas, mining, rail, and surgical.
- Quad ISO certification: QMS, EMS, H&SMS
- A single point of contact for your components from design, to manufacture, testing and repair.

ISO ACCREDITATION

- ISO 9001:2015 - Quality Management Systems
- ISO 14001:2015 - Environmental Management Systems
- AS/NZS 4801 - Health & Safety Management Systems (Aus & NZ)
- OHSAS 18001 - Health & Safety Management Systems (Aus & NZ)



FUTURE ENGINEERING



We would like to acknowledge that Future Engineering was the major supplier of all machined parts designed for our newly developed machine projects in 2016, based on our successful technology in place for decades together with new robotic technology.

Lead times were critical for the development process, as parts were requested using just-in-time principle, as the machines were built. In this regard Future Engineering proved to be an outstanding supplier, and even exceeded from time to time our expectations, without any impact of parts quality, which was exceptional.

We would recommend Future Engineering to any other organisation looking for quick turn arounds, a good quality product and a very competitive pricing.

Frank Merker
Production Manager



SRMA
SPENO RAIL MAINTENANCE
(AUSTRALIA) PTY LTD

Speno Rail Maintenance have been a long term customer of Future Engineering for approximately 20 years. During this time, we have completed many large projects not limited to but including; Mini Grinders, Switch Trolleys, Grinding Trains, Ultrasonic Trolleys for fault detection, wheel replacements and many refurbishments to existing machinery.

Future Engineering has constantly shown outstanding services from assistance in design

and technical recommendations to manufacture and fabrication including various surface treatments and safety requirements required by each individual project.

Over the many years of service we have noted Future Engineering has been driven in constantly improving, by expanding Workshop space but also with the increase of CNC machinery incorporating new technology to allow a higher turnover of components ensuring shorter lead times with a very high quality. Future Engineering has obtained Quad Certification of our management systems to ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 & AS/NZS 4801:2001 showing a commitment to ensuring high standards.

Speno Rail requires a supplier to have great flexibility and understanding of urgency. We have found Future Engineering understands our requirements and ensures our deliveries are met. With committed Management and Staff they have proven to be an asset to Speno Rail Maintenance.

Justin Tysoe
Speno Rail Maintenance



Peak Well Systems are happy to confirm that we have a long standing supply partnership with Future Engineering Pty, Perth Western Australia, for the provision of precision machined components.

Our relationship has spanned over 9 years and during the last 4 years Future Engineering have been actively driving to improve their quality management system and have recently obtained quad certification ISO 9001:2015,

ISO 14001:2015, OHSAS 18001:2007 & AS/NZS 4801:2001 which has been fully backed and driven by the Managing Director and the QA Manager of Future Engineering and has been fully embraced with all their staff. This is a significant step in how the business now operates and works with their customers to achieve product quality and delivery

Product quality and lead-times are critical factors in our market and as such Peak Well Systems work closely with Future Engineering to ensure there is a clear understanding of contract requirements and thus maintaining full compliance to all contracts/ orders awarded. By working closely together we have reduced lead-times and costs ensuring that we gain a stronger competitive edge in what is an extremely difficult market.

We were recently working together on a very large contract and meticulous end to end planning and coordination was required by both Peak Well Systems and Future Engineering to meet a very tight delivery deadline. This order was delivered to the programs agreed delivery schedule and with zero quality issues.

During our 9-year partnership with Future Engineering, our relationship has gone from strength to strength and both companies work on a fully transparent basis and ensure there are clear and open lines of communication making it so much easier in daily business and especially at times where priorities can and do change, ensuring there are no late deliveries or quality issues for the customer.

Future Engineering strive on achieving their KPI's and take pride in how their business is conducted and at all times are focused on their customers

John Toshack
Global Supply Chain Manager
Peak Well Systems

**The right part, at the right price –
with confidence.**

Future Engineering has extensive and highly successful experience in meeting the most demanding requirements of the oil and gas, rail, mining and surgical sectors.

From the most delicate surgical implements to the most complex, robust resource - sector components - Future Engineering is your assured partner.

Future Engineering specialises in the manufacture and repair of complex and bespoke components using some of Australia's most advanced 5-axis CNC welding, turning, milling and wire-cutting machines.