

Capability Statement

27 Mar 2017

VEEM Ltd



INDUSTRIES SERVED

DEFENCE

MANUFACTURING

STEEL

MINING

OIL, GAS & ENERGY

AUTOMOTIVE

Company Details

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ICN Gateway Company ID: 83938

Employees: 185

ABN: 51 008 944 009

Locations: 3

Local Manufacturer: Yes

Foreign Manufacturer: No

Importer: Yes

Exporter: Yes

NT CAL Accredited: No

Works in Remote Locations: No

Australian Indigenous Owned: No

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VEEM Ltd is a marine technology company specialising in propulsion and stabilisation systems. VEEM also manufactures bespoke products and services for the marine, aerospace, defence and mining industries.

Summary

Established in 1968 and based in Perth, Western Australia, VEEM supplies products and services domestically and abroad.

VEEM has a continuous research and development program with high levels of intellectual property protection. VEEM works closely with its existing clients to develop new products to meet the market requirements for the best available technology based solutions.

The Company's naval architecture and mechanical

engineering teams draw from experience in a wide range of market sectors, resulting in the ability to derive innovative and effective products for VEEM customers.

VEEM's facilities consist of four workshops covering 10,500m² and surrounding land. VEEM operates the largest non-ferrous foundry in Australia, with up to 25 tonne crane capacity.

Description

VEEM specialises in propulsion and stabilisation systems as well as general Engineering for Marine, Mining, Defence and Aerospace Industries.

VEEM has been manufacturing fully CNC machined propellers for nearly 50 years, ensuring the highest accuracy and best quality, and are strictly controlled under the Company's certified quality management system. VEEM uses cutting edge technology in design and manufacturer of its propellers, including noise and vibration prediction, propulsive efficiency optimisation using computational fluid dynamics software, and cavitation tunnel testing.

VEEM's gyrostabilisers (VEEM Gyros) are high powered ship roll stabilisation devices specifically engineered for use on vessels from 25 metres to 80 metres. VEEM Gyros are actively controlled vertical axis gyrostabilisers delivering rolling motion attenuation while the vessel is at anchor, drifting, alongside, loitering or at transit speed. VEEM Gyros reduce rolling motion by up to 95% depending on the wave environment and vessel characteristics.

VEEM also manufactures a unique range of centrifugally cast bi-metal pipes and attached sand cast bends and T pieces under the brand, Tim Cast Hollow Bar. The Timcast product represents the state-of-the-art solution to wear pipe in alumina and other mineral processing industries that have historically used weld clad pressure pipe. The 'Forever Pipe' range is a more economical alternative to weld clad pipes and last between 6 to 10 times longer.

VEEM's engineering division provides a range of bespoke manufactured products and repair services to the Australian mining, aerospace, oil and gas, and defence industries. VEEM operates one of the largest ferrous and non-ferrous foundry facilities in Australia with 12 furnaces and 15.3 tonnes capacity offering a complete range of services. VEEM Foundry capabilities include: pattern making, sand casting, centrifugal casting, shell moulding, die casting, lost foam casting and computer solidification modelling.

VEEM has, since 1968, maintained

a reputation for high precision and quality in manual and CNC machining. VEEM's machining turning capacity is now 4.3 metres, which accommodates the manufacturing of specialised components for large marine propellers, aerospace, oil and gas, and defence industries requires strict adherence to a wide variety of standards and guarantees of dimensional accuracy.

VEEM operates the largest number of balancing machines in Australia with a capacity ranging between 100 grams to 28 tonnes using Schenck machines.

The capabilities of the Balancing Division include:

- Dynamic Balancing – VEEM can dynamically balance diameters up to 4.1 metres and length up to 12 metres. VEEM dynamically balances propellers, fans, impellers, machine spindles, centrifuges, gyroscopes, rollers, wheel hubs, brake drums, armatures and beaters.
- Engine Balancing – VEEM dynamic balances engine components for all currently available engines from single cylinder petrol to the largest V24 diesels up to 28 tonnes.
- Driveshaft Manufacture, Repair and Balancing – VEEM can

manufacture, repair and balance automotive, agricultural, transport, earthmoving, marine and power take-off shafts.

- On-site Balancing – VEEM's portable field instruments allow dynamic balancing to be conducted on-site without dismantling of large, critical or complex equipment.
- Static Balancing.

VEEM has manufactured and repaired all forms of drive and tail shafts since its inception, including custom manufacture of hard to buy components through VEEM's extensive engineering facilities.

VEEM also provides bespoke manufacturing and service work for the defence industry including the Collins Class submarines, the Littoral Combat Ships and the high mobility off road vehicles for the Australian Special Forces.

Industries Served

- > Defence
- > Manufacturing
- > Steel
- > Mining
- > Oil, Gas & Energy
- > Automotive

Major Clients

- > Department of Defence
- > ASC
- > Austal Ships
- > Princess Yachts
- > Sunseeker Boats
- > Volvo Propulsion
- > Synergy

Products & Services

- > Marine Propellers
- > Gyroscopic Stabilisers
- > Shaft Lines
- > Specialised Hollow bar
- > Dynamic Balancing and General Engineering
- > Non-ferrous foundry

Facilities

- > Manual lathes
- > MIG/TIG welding
- > Dynamic balancing to 28t to 2.8m diameter to 7.6m long
- > Ferrous foundry
- > CNC machines
- > Fitting shop
- > NDT lab
- > Pressure testing equipment
- > 5000sqm factory including 1600sqm foundry
- > NATA Laboratory

Accreditations

- > ISO 9001:2008 – Quality;
- > ISO 14001:2004 – Environmental;
- > ABS foundry Approval;
- > DNV Foundry approval – CU3;
- > GL foundry and welding approval – CU3;
- > IRS foundry approval – Copper;
- > RINA approval;
- > Defence industrial security program CertAF 7294940;
- > Lloyd register approvals;
- > NATA registration for:
 - > Acoustic and vibration measurements;
 - > Chemical testing;
 - > Mechanical testing; and
 - > Non-destructive testing.

Previous Significant Projects

2011

Armidale Class Vessels
\$5,000,000

Client: Austal Ships

Manufacture of Vessel shaft line components
 - Couplings, Shafts, Shaft Brackets, Propellers and Roll Fin Stabilisers

Completed

2015

Cape Class Boat Propulsion
\$3,000,000

Client: Austal Ships

Manufacture of Vessel shaft line components
 - Couplings, Shafts, Shaft Brackets, Propellers and Roll Fin Stabilisers

Completed June 2015

2015

Collins Class Hull And System Valves
\$2,000,000

Client: Asc

Manufacture, refurbishment of Collins Class Submarine Valves. - Ongoing

2015

Jhsv
\$2,000,000

Client: Austal Ships

Ride Control for JHSV Vessels in USA.

On-going

2015

Lcs (usa)
\$5,000,000

Client: Austal Ships

Ride Control and Rudders for LCS Vessels in USA.

On-going

2015

Supacat 1a Vehicles
\$2,000,000

Client: Supacat (uk) And Supacat Pty (aust)

Upgrade of 31 off SupaCat vehicles - end user is Australian Army.



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