

Capability Statement - Aquatics

OVERVIEW

The Company's Multidiscipline operations extend across Australia comprising a team of professional Engineers, Managers and Designers who are committed to adding value at every stage of your project, through their creativity, enthusiasm and expertise. The company has provided design and documentation Services to the industry for 14 years in Civil, Structural, Hydraulic and Aquatic engineering.

Terre specialises in every facet of Aquatic facilities and has the knowledge and skills to add value at all levels of planning, design and delivery for all relevant code requirements and engineering disciplines in the following aquatic facility areas:

POLICY STATEMENT

Terre brings together broad-minded individuals and actively encourages them to innovate and:

- Use the latest technologies to create sustainable solutions that revolutionise facility operations and maximise return on investment.
- Deliver concepts that are flexible, cost-effective and successfully meet your needs and build in flexibility to take advantage of rapidly changing technology resulting in projects of enduring value.
- Use its world's best practice gained from experience with international project teams to assist in innovation across disciplines and provide aquatic and collaborative advice to the project team to achieve a best for project outcome.
- Integrate the following key principles as a minimum;
 - ✓ Patron Safety
 - ✓ WH and S compliance
 - ✓ Optimise Opex and Capex.
 - ✓ Whole of life considerations
 - ✓ Environmental and energy sustainability
 - ✓ Cost effectiveness
 - ✓ Maintenance Friendliness
 - ✓ Consultation & Collaboration
- Use its experience in working with leading international architects and sports and leisure organisers to realise world's best practice in patron experience and safety.

PROJECT COMMITMENT

Terre designs can confirm the nominated personnel are available in the event of unforeseen circumstances, illness or misadventure an alternate staff of equal capability can be provided. It is company policy that the directors and nominated persons are hands on for the duration of the project.

The occurrence is unlikely since the organisation is dedicated only to aquatic projects and competing projects are unlikely.

BIM CAPABILITY AND CAPACITY

All Terre Designs P/L documentation is undertaken in Revit and in the case of Civil works Revit compatible software such as CIVIL 3D.

Andrew Varga is proficient in Revit and associated BIM systems providing appropriate levels of detail, clash detection and management on previous projects for government projects.

The adopted systems are suitable for Quantities take off if required. Civil staff always integrate with other services and building systems to provide similar in ground detail and coordination to building BIM data. On previous projects proposed Key staff have integrated and coordinated building and building services with terrain models and in ground systems to provide a seamless model

DESIGN TO BUDGET

Terre staff are used to designing to budget, the budgets are reviewed at an early stage and the skills and innovation of key staff are applied to innovate and value engineer systems to achieve the target. This is a particular feature of this team who have proven capability in this area on multidiscipline large infrastructure and civil works projects.

Terre staff have capacity now and are committed to provide timely and quality input to the design and construction process to completion, commissioning and hand over.

FINANCIAL DETAILS

- Terre Designs is owned and fully funded by the Directors of the Company. There are no external borrowings and the Company operates without an overdraft.
- Terre Designs banks with the Commonwealth Bank of Australia

PROFESSIONAL INDEMNITY AND PUBLIC LIABILITY

- Terre Designs professional indemnity underwriter is Lloyds of London and the company is insured for \$10,000,000.00 for any one claim and \$20,000,000.00 in the aggregate. This policy is renewable on an annual basis.
- Terre Designs public liability insurance is underwritten by Lloyds of London and the company is insured for \$20,000,000.00 for any one claim. The policy is renewable on an annual basis.

QUALITY ASSURANCE

Terre Designs has operated under prime contractors third party accredited system for some years; Terre Designs has a documented system compliant with ISO 9001 and Delivers projects through this system. Terre Designs QA assurance system is currently in third party accreditation process.

SERVICES

Terre Designs provide Co-ordinated engineering services in 3D generally, however, specialises in aquatic facilities in the following disciplines;

Filtration, Hydraulic, Structural, Civil, Pool Heating and General Aquatic facility advice

AQUATIC FACILITIES EXPERIENCE

- **Wet and Wild Sydney. - NSW**
Aquatic Structures Certification including Myrtha Modular systems, Civil specialist consultant for Aquatic facilities.
- **Australian Exhibition, Giardini Della Biennale – VENICE, ITALY**
Reflection Pool and water treatment.
- **Cockburn Water Slides - WA**
Design and Certification Slides supports, platforms and footings.
- **Nowra Water Slides - NSW**
Design and Certification Slides supports, platforms and footings.
- **Big Banana Water Slides - NSW**
Design and Certification Slides supports, platforms and footings.
- **Tathra Beach Family Park Leisure Pool**
Toddler's leisure pool with interactive toys UFF with Jet pumps.
- **Gympie Aquatic Centre – Queensland** 50m competition pool, 25m indoor leisure/learn to swim and outdoor splash park and leisure pool.
- **Blackwater Aquatic Centre – Central Highlands, Queensland** (current project)
50m competition pool, 25m covered hydrotherapy / learn to swim and splash park / leisure play area.
- **Parkinson Aquatic Centre – Queensland** (current project)
50m competition pool, 16m x 11m Indoor hydrotherapy / learn to swim leisure pool.
- **Rockhampton Memorial Pool – Queensland** (current project)
50m pool refurbishment.
- **PARAP Aquatic Centre – Darwin NT** (current project)
50m competition pool, 25m learn to swim and splash park and leisure pools.
- **Wauchope Aquatic Centre – Port Macquarie City Council (recently opened)** Consultant to Council for Tender and Construction, 50m competition pool, Learn to Swim pool. Detail design & documentation of 1m & 3m diving boards to FINA specifications.
- **Yeppoon Foreshore Development - QLD**
Multiple Lagoon areas with beach entries, splash deck and leisure pools

AQUATIC FACILITIES EXPERIENCE (by Terre Personnel in other firms)

- SOPA Aquatic facility
- Birrong Aquatic and Leisure Centre Sydney NSW, Project value: \$500K
- MUR (Moorebank Unit Redevelopment) project value (\$900M /Pool component \$4m)
- RAAF Base East Sale, Physical Fitness pool Project Value \$60m pool 2M
- Lake Macquarie; Separation of high risk pools from main pools at 5 aquatic centres
- Moreland Aquatic and Leisure Centre (5 sites) VIC
- Melbourne Girls Grammar School Project Value \$25m
- Prince Alfred Park Pool Redevelopment Sydney NSW, Project value: \$18M
- State Aquatic Centre Holme Park SA, Project value: \$18M(pool proportion only)
- Coffs Harbour Memorial Pool Redevelopment-Coffs Harbour Council NSW, Project value: \$6M
- Moree Artesian Aquatics Centre NSW, Project value: \$5.6M
- Max Parker Leisure & Aquatic Centre (formerly Revesby Leisure Centre) NSW
- Wet 'n Wild Sydney NSW, Project value: approx. \$20M (Pools and Civil Work)
- Challenge Pools, Western Australia, Project value: \$3M
- Melbourne Sports and Aquatic Centre (MSAC) VIC, Project value: \$53M
- Monte Sant'Angelo School, North Sydney, Project value: \$25M
- HMAS Creswell Naval Base - Stage 1 Redevelopment Jervis Bay NSW, Project value: \$87M
- Forbes Pool NSW, Project value: \$3M
- Trinity Catholic College, Lismore NSW, Project value: \$2M
- Wests Mayfield (formerly Phoenix Club), Project value: \$3M
- National Indigenous Development Centre, Sydney NSW, Project value: \$15M
- Young Swimming Pool, NSW Project value: \$2.4M
- Cobar Memorial Pool NSW, Project value: \$2.3M
- Geelong Water World VIC, Project value: \$0.3M
- HMAS Albatross Naval Base, Nowra NSW, Project value: \$75M
- Fanny Durack Aquatic Centre Refurbishment, NSW
- Port Pirie Pool SA, Project value: 1.1M
- Ian Thorpe Aquatic Centre Sydney NSW, Project value: \$40M
- Andrew Boy Charlton Pool
- Hydrotherapy Pool - Croydon NSW
- Hydrotherapy Pool – Cardinal Freeman Village, Ashfield NSW