



Company Profile

Construction, Engineering & Geotechnical Specialists

Engineered better.

Australia's Leading Specialist Construction Company

Fortec is an Australian, employee-owned company delivering fit-for-purpose, innovative, and cost-effective construction, engineering, and geotechnical solutions.

We take pride not only in the quality of our work but also in the long-lasting relationships we build with our clients.

Founded in Perth in 2015, our mission has always been to connect clients with experienced industry professionals. This client-focused approach has driven our growth and expanded our services nationally.

With extensive experience across Australia, we serve the **infrastructure, building, and resources sectors**, providing solutions that are practical, innovative, and tailored to each project.

Fortec delivers specialist construction, engineering, and geotechnical services to public and private sector clients, including water and road authorities and developers of infrastructure, commercial, industrial, and residential projects.

Our team has a wealth of experience in the specialist design and construction of

Built on great relationships

infrastructure and solving complex construction and engineering challenges. One of our primary aims is to provide technical advice and designs which benefit the client both practically and economically.

Early engagement on projects enables our clients to harness engineering and construction know-how and innovative ideas, to ensure better project outcomes.

With the support of our strategic partners, Fortec is able to offer a range of alternative construction techniques aimed at optimising solutions for our clients' requirements within budget, while considering the risks, project constraints and delivery environment.



Implementing best practices in HSQE

Sustainability

We adopt strategies and practices that aim to meet the needs of today's society without compromising the human and natural resources that will be needed in the future. Working with and building positive relationships with all stakeholders enables us to bring to the forefront ideas and innovations that enhance the responsible management of resource use in the environment in which we work.

Our group initiatives in HSE management, training, indigenous engagement and support of local communities have been frequently acknowledged by industry and government bodies.

Our Sustainability Framework

We implement best-practice Health, Safety, Quality and Environmental Management systems that support our business in delivering projects safely, to a high standard and without harm to the environment.

We aim for continual improvement in all that we do and adopt strategies and practices that aim to meet the needs of today without compromising the resources that will be needed in the future.



Our Services

Specialists Construction



Complete Bridge Solutions

Fortec delivers end-to-end bridge construction, covering every stage from foundations, substructures, and superstructures to approaches, abutments, barriers, and guardrails.

With deep engineering expertise, we support clients through investigation, design, delivery, and maintenance to provide long-term, cost-effective solutions backed by proven systems.



Precast Concrete Excellence

Precast concrete beams are a cornerstone of modern bridge building, valued for their strength, durability, and consistency. Mass production ensures cost efficiency and rapid installation, while pre-stressing and post-tensioning enhance load-bearing performance.

Suitable for highways, rail, and pedestrian bridges, this method ensures both quality and speed. Fortec recently applied this approach on Bridge 5023 along Springdale Road in Hopetoun, WA.



Bridge Launching

With proven expertise in Incremental Bridge Launching, Fortec combines technical know-how with practical experience to deliver smooth, efficient installations.

We design and supply everything required.

From launch bearings and side guides to jacks, cables, and deflection systems. Our methods have powered landmark projects, including the new Fitzroy Bridge (replacing the flood-damaged original) and the Brooking Channel Bridge.

Precision Jacking

Fortec's synchronised jacking systems deliver safe, balanced, and controlled lifting for even the heaviest structures.

By raising from multiple points at once, our technology eliminates misalignment, distortion, and damage risks. Whether lifting, lowering, pushing, pulling, or sliding, Fortec provides the accuracy and efficiency you need for seamless operations.



Cable-Stayed Bridges

We have extensive experience in the supply and installation of cable stays and all related materials for both new and existing bridges.

The replacement of cable stays and masts with newer technology and improved materials is a cost-effective solution to extend the life and durability of bridges while maintaining uninterrupted traffic flow.

The design, supply, installation, and stressing of cables, while maintaining the bridge in its correct position, are all carried out using in-house expertise and equipment.



We have extensive knowledge and experience in specialist construction and understand our clients' need for high-quality, cost-effective, and timely solutions to meet their project requirements. With a broad range of general and specialist capabilities, Fortec can provide advice and support from the earliest concept and design stages.

Our Services

Specialists Construction



Concrete Repair

Fortec offer a varying range of solutions depending on the nature of repair. Fortec's offering consists of:

- Hydro Demolition
- Gunitin
- Shotcreting
- Crack repairs
- Protective coatings
- Cathodic Protection
- Carbon Fibre Reinforced Polymer



Bridge Maintenance

Maintaining the ongoing performance of bridges is imperative for the long-term sustainability and safety of all users. Concrete, steel and timber bridges exist throughout Australia, and with changing loading codes and durability requirements to ensure asset longevity, maintenance and repair are crucial for both Government bodies and private asset owners.

Fortec operates on a number of Bridge Maintenance Panels across Australia and has an extensive network of staff and expertise available to provide immediate and urgent repair and rectification works, ensuring works are conducted efficiently with limited external assistance.

Fortec delivers specialist engineering services to the construction and mining sectors, providing a comprehensive range of solutions from concept development through to design and construction to meet your project requirements.



Post-Tensioned Systems

We provide post-tensioning solutions for many structures like bridges, buildings, tanks, silos and various other structures.

Fortec provides the following services:

- Technical assistance in all the phases of the project; from the design to the final execution
- Installation of post-tensioning only services
- Design and construct building design packages
- Study of alternative design or construction method as an improvement for the optimum solution



Our Services

Geotechnical Specialists



Anchoring: Permanent & Temporary

Ground anchors provide stability and support to structures and have a wide range of uses. Fortec Geotechnical can provide a design and installation service including stressing/load testing for the following applications:

- Temporary and permanent active anchor systems for a wide range of structures including dams, bridges and wind towers
- Temporary sheet pile and retention systems
- Dead man anchor systems
- Jetty and dolphin tension ground anchors



Slope Stabilisation

Slope stabilisation is used to secure embankments or to rectify walls and slopes that have succumbed to natural forces which require stabilisation to ensure the safety of the structure and the surrounding environment. We provide a diverse range of solutions for a variety of applications including:

- Rock fall barriers and debris flow barriers
- Soil nailing - temporary or permanent passive soil nails
- Rock Bolting and FRP systems
- Shotcrete and retaining walls
- Erosion control



Engineering expertise

Our Services

Geotechnical Specialists

Geotechnical



Dam Infrastructure

Long term testing, maintenance and monitoring of anchored structures are another area of expertise for Fortec Geotechnical. Dependant on the project requirement and specifications, short and long term lift off testing and monitoring can be undertaken.

The use of our engineered de-stressable and re-stressable systems allow safe testing of the in service structure. Each anchor head consists of a wedge plate with an external thread and a load bearing sleeve with an internal thread to allow adjustments of the system. Therefore, the anchor head is positioned at the required height at the same time as maintain the multistrand anchor load.

Our systems provide the ability for multiple de-stressing and re-stressing cycles. Replacement and maintenance of the corrosion protection elements are undertaken during the load mentoring stage.

Fortec Geotechnical is experienced in the implementation, integration and use of load cells and remote monitoring systems.







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