



Yamanha

ENGINEERING
EXCELLENCE,
COMMUNITY
AT HEART



AN ABORIGINAL
COMPANY
SPECIALISING IN
CIVIL & REMEDIAL
ENGINEERING

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CAPACITY PARTNER

SOLETANCHE FREYSSINET

YAMANHA IS A MAJORITY
ABORIGINAL-OWNED
ASSET REMEDIATION
COMPANY PROVIDING
WORLD-CLASS TECHNICAL
EXPERTISE AND CULTURAL
INTELLIGENCE TO DELIVER
PROJECTS THAT CREATE
ENDURING VALUE FOR
CLIENTS, COMMUNITIES,
AND COUNTRY.

We proudly acknowledge and respect Aboriginal peoples as Australia's first peoples and nations. We recognise Aboriginal people as the Traditional Custodians of the lands and seas on which we live, work, and build. We honour their enduring connection to Country, culture, and community and we pay our deepest respects to Elders past, present, and emerging.

Our success is built on strong governance, commercial discipline, and operational excellence and is underpinned by values that reflect our heritage: integrity, unity, and respect for the land. We recognise that long-term success and positive social outcomes go hand in hand. By embedding inclusion, diversity, and cultural understanding into every part of our operations from workforce development, procurement through to project delivery and leadership we create shared value for our clients, communities, and partners.

Sustainability is at the heart of how we work. It drives innovation across our business—choosing repair over replacement, applying low-impact methods, tracking carbon, and delivering durable solutions that reduce waste and extend service life. Our key strengths include:

-  **STRUCTURAL STRENGTHENING**
-  **CONCRETE REPAIR**
-  **CATHODIC PROTECTION**
-  **BLASTING AND PAINTING**
-  **PROTECTIVE COATING**
-  **HYDRO DEMOLITION**
-  **CARBON FIBRE REMEDIATION**
-  **CIVIL CONSTRUCTION**



STRUCTURAL STRENGTHENING

Where assets must meet higher demands or adapt to new conditions, strengthening solutions restore capacity, improve performance, and extend service life. Our expertise spans tailored solutions, active systems, and passive methods, that ensure minimal disruption to the structure, and delivering every project with the aim of achieving safety, durability, and resilience.

TAILORED STRENGTHENING SOLUTIONS

Every structure presents unique challenges. We design and deliver strengthening strategies to address specific asset conditions, performance requirements, and environmental demands. Solutions are engineered for reliability and efficiency, ensuring long-term service life.

STRENGTHENING CAPABILITIES

- Design and supply of strengthening systems for concrete and steel structures
- Integration with wider remediation or upgrade programs
- Application of innovative materials and advanced construction methods
- End-to-end delivery from feasibility studies through to installation and verification

ACTIVE STRENGTHENING

Active solutions increase the structural capacity of concrete and steel elements, restoring or enhancing performance under modern loading requirements. Methods include:

- External post-tensioning (PT) tendons, ideal for bridges and large, circular concrete elements.
- Systems designed for immediate serviceability improvement (deflection and crack control) and increase overall load capacity.
- Precision installation and tensioning to maximise efficiency and reliability.

By actively increasing strength, these systems extend the usability of critical assets while reducing the need for costly replacement.

PASSIVE STRENGTHENING

Passive systems protect and reinforce existing structures without altering their designated load capacity. These solutions prevent further deterioration, improve safety, and support long-term durability. These methods ensure stability and resilience, allowing assets to continue performing safely in demanding service conditions.

- Fibre-reinforced polymers (carbon or glass) applied via surface or near-surface mounting
- Steel plate bonding for reinforcement.
- Ultra-High Performance Concrete (UHPC) with strengths exceeding 130 MPa in compression and 6 MPa in tension at 28 days for protection and durability.
- Pile wrapping and jacketing to shield elements in harsh environments.

These methods ensure stability and resilience, allowing assets to continue performing safely in demanding service conditions.



CONCRETE REPAIR

Restoring strength and durability is central to extending asset life. Our in-house teams deliver specialist repairs for concrete and steel structures, combining proven techniques with strict quality and safety standards. Every project is managed to achieve efficient, lasting outcomes while minimising disruption to operations and stakeholders, and maintaining a minimal footprint throughout delivery.

Targeted repair solutions return structural elements to full capacity and safeguard against further deterioration. Services range from localised patching to large-scale remediation, ensuring every project delivers reliable long-term performance.

CONCRETE REPAIRS

- Removal of spalled or deteriorated concrete.
- Crack injection for structural integrity.
- Reinstatement by form-and-pour, shotcrete, or hand-applied techniques.
- Application of specialist mortars for enhanced durability and chemical resistance.
- Repair and replacement of joint sealants for water-tight performance.

FACADE REPAIR

Facade repair and remediation preserve both the performance and aesthetic value of buildings. Our repairs are delivered with precision, minimal disruption, and a respect for original detail.

HERITAGE REMEDIATION

Restoring heritage façades demands sensitivity to original materials, craftsmanship, and historical integrity. Our approach respects the original construction while applying modern repair and strengthening methods. We work with masonry, stone, timber, iron, and early concrete elements—using minimally invasive techniques, reversible interventions, compatible materials, and thorough documentation. Our services include crack stitching, mortar matching, stone repair, repointing, restrained strengthening, and façade preservation planning.

We also support diagnosis, structural analysis, and design foundations when heritage structures require performance upgrades.

ACCESS AND MAINTENANCE OF CBD BUILDINGS

Working on façades in dense urban environments demands tailored access solutions and minimal disruption. Our experience spans high-rise and operational buildings, where safety, efficiency, and stakeholder coordination are critical. Our methodology encompasses:

- Engineered Access: Modular scaffold, BMUs, mast climbers and rope access matched to elevation, load and program.
- Public Protection: Gantries, netting, compliant hoarding and clear wayfinding.
- Encapsulation: Shrink-wrap/Monarflex and localised shrouds to control dust, noise and overspray; run-off controls.
- Staged Delivery: Sequenced works around building operations, maintaining access and egress.
- Low-vibration Methods: Noise substitution, monitoring and real-time adjustment.
- Façade Maintenance: Sealant renewal, membranes, targeted repairs and corrosion mitigation.
- Restricted Access: Cranes, platforms and rope systems with traffic/pedestrian management and permits.
- Compliance: Certified access design, anchor testing, ITPs, hold points and daily pre-starts.
- Adaptive Hours: After-hours or weekend shifts to limit disruption and maintain operations.



CATHODIC PROTECTION

In harsh or chloride-contaminated environments—such as reinforced concrete, tidal and splash zones, process plants, or buried pipelines—cathodic protection provides a reliable, long-term defence against steel corrosion.

Our team delivers end-to-end solutions, from investigation and design through to installation, monitoring, and certification, ensuring ongoing performance and durability. Our systems include;

- Impressed Current Cathodic Protection (ICCP) and prevention,
- Hybrid Cathodic Protection, or
- Galvanic (Sacrificial Anode) Cathodic Protection.

With the selection of the most appropriate system, including materials and technical support, we are able to ensure the service life of your structures are maintained by;

- Preserving a protective environment around the steel elements.
- Halting the corrosion initiation process.
- Preventing the progression of corrosion in the long-term after repairing the structural damage it caused.

Industry-recognised expertise backs every project, with certifications including ACA, NACE, and RPEQ. Whether for reinforced concrete, pipelines, or marine piles, our cathodic protection services preserve structural integrity and extend service life.



BLASTING AND PAINTING

Specialist coating removal and surface preparation underpin the long-term performance of protective systems. Each project is tailored to site conditions, with both full and localised removal options available.

REMOVAL AND PREPARATION TECHNIQUES

- Ultra-High Pressure water jetting (hydro demolition)
- Dry and wet abrasive blasting
- Ice blasting
- Mechanical and chemical removal methods

HAZARDOUS COATINGS REMOVAL

- Lead, chromate, and coal tar epoxy coatings
- Asbestos-based wrappings and linings
- Full encapsulation, containment and air monitoring
- Licenced disposal and decontamination performed to all regulatory standards.



PROTECTIVE COATING

Protective coatings safeguard concrete and steel assets from corrosion, chemical attack and weathering, while waterproofing systems prevent moisture ingress and extend service life. Our teams bring decades of expertise in specification, preparation and application of high-performance coating and waterproofing systems—matched to each asset's environment—to deliver durable, low-maintenance outcomes across infrastructure, marine and industrial settings.

Protective coatings on steel and concrete structures demand precision, experience, and rigorous quality control. Applied as part of remediation programs or as standalone works, these systems extend asset life, minimise maintenance, and ensure reliability in demanding service environments.

- Epoxy and polyurethane systems
- Anti-corrosion and zinc-rich primers
- Trafficable membranes and waterproof coatings
- Decorative and UV-resistant finishes
- Chemical-resistant and potable water-approved linings
- Silane and other penetrating sealers for hydrophobic protection on concrete surfaces.

TECHNICAL ASSURANCE

As a PCCP Level 6 Accredited Contractor, supported by NACE Certified Coating Inspectors, we:

- Design protective systems for diverse conditions
- Verify environmental and surface conditions during works
- Oversee preparation, mixing, and application processes
- Conduct QA testing (DFT, adhesion, cleanliness)
- Ensure compliance to manufacturer and industry standards
- Consult with leading suppliers to match the best system to each asset.

ASSET-SPECIFIC EXPERTISE

Our proven experience spans steel bridges, marine structures, tanks, pipelines, industrial facilities, reservoirs, columns, decks, bunded areas and buildings. In every case, coatings are applied over rigorously prepared surfaces to guarantee adhesion and long-term durability.





HYDRO DEMOLITION

Hydro demolition provides a controlled method of concrete removal, preserving surrounding reinforcement, services, and structural elements. Using ultra-high-pressure water jets, this technique avoids vibration, dust, and microcracking while producing a clean, bond-ready surface.

HYDRO DEMOLITION APPLICATIONS

- Removing deteriorated or contaminated concrete.
- Preparing surfaces for overlay, coatings, or repairs.
- Exposing reinforcement for inspection or replacement.
- Removing concrete from marine, industrial, and civil structures.
- Confined spaces or restricted-access works

HYDRO DEMOLITION EQUIPMENT

- Mobile Hammelmann Units (1200-3000 bar, 28-87 L/min)
- Containerised 750hp Hammelmann Unit
- Robotic and handheld tools including Aqua Cutter, Ergo Go, and Jet Frame Spine

Environmental management underpins every project, with tailored systems for water capture, debris handling, and slurry treatment. Our in-house team of experts in structural remediation ensure each project is delivered safely, efficiently, and with precision utilising our company-owned fleet of equipment.



CARBON FIBRE REMEDiation

Carbon fibre remediation is a quick, non-intrusive process that can be applied to a variety of structures, including bridges, commercial buildings, and residential properties.

Carbon fibre remediation is a process that uses carbon fibre-reinforced polymer (CFRP) to strengthen and repair existing concrete, steel and timber structures. This technique involves applying external plates and wraps or internal rods made of strong, lightweight carbon fibres bonded with epoxy to improve structural integrity without the need for invasive demolition and replacement.

CARBON FIBRE REMEDIATION BENEFITS

- Structural strengthening: Significantly increases the load-bearing capacity of an existing structure.
- High strength-to-weight ratio: CFRP is stronger than steel but much lighter, making it easier and quicker to install.
- Corrosion resistance: Carbon fibre does not rust, making it an ideal solution for structures exposed to harsh environments such as marine or industrial zones.
- Minimal disruption: The application process allows for repairs on occupied or sensitive sites, creating minimal disruption.
- Increased lifespan: Carbon fibre remediation extends structural life, reducing the need for future expensive repairs or replacements.



CIVIL CONSTRUCTION

Civil construction establishes the physical framework that allows infrastructure to function safely and efficiently. Yamanha delivers civil works that prepare, connect, and support assets across greenfield and brownfield environments, combining disciplined construction practices with strong governance to achieve reliable, high-quality outcomes.

Our approach prioritises constructability, safety, and asset performance. Every project is delivered with a clear focus on sequencing, quality assurance, and coordination, ensuring civil works integrate seamlessly with surrounding infrastructure and operational requirements.

TAILORED CIVIL CONSTRUCTION

Every site presents unique ground conditions, engineering constraints, and delivery challenges. We design and execute civil construction strategies that respond directly to these variables, enabling efficient delivery while maintaining program certainty and compliance.

Our civil construction capability includes:

- Detailed and bulk earthworks
- Trenching and site preparation
- Road, pavement and footpath construction
- Pavement rehabilitation and upgrades
- Hardstands and laydown areas
- Footings, slabs, pits and in-ground concrete structures
- Culverts, headwalls, plinths and precast installation
- Stormwater drainage, sewer and water reticulation
- Electrical and communications trenching
- Service relocations and infrastructure upgrades
- Soft and hard landscaping
- Line marking, street furniture and signage
- Lighting, fencing and retaining walls.

These services support infrastructure delivery across a range of asset types, site conditions, and operational environments whilst accommodating varying program constraints, access requirements, and performance expectations.

ACTIVE CIVIL DELIVERY

Active delivery methods underpin efficient construction and safe execution across complex or multi-staged civil works. Our disciplined construction practices maintain productivity, manage interfaces, and deliver assets that meet design intent and operational requirements.

Active delivery methods include:

- Structured construction sequencing across earthworks, pavements, drainage and services
- Precision installation of concrete elements, foundations and structural components
- Quality-controlled placement, compaction and verification processes
- Integrated self-perform crews supported by coordinated subcontractor management.

This approach ensures assets are delivered ready for service, compliant with specifications, and built to perform over their full design life.

SITE PROTECTION & FINISHING SYSTEMS

Passive systems enhance durability, safety, and environmental resilience without altering design intent. These measures protect civil assets, reduce lifecycle maintenance, and support long-term performance in demanding service conditions.

Passive systems include:

- Erosion, scour and embankment protection
- Drainage and water-management measures
- Topsoiling, planting and soft landscaping
- Hard landscaping and precinct finishes
- Protective encasement or jacketing of exposed civil components

These systems support stable, safe operation across transport corridors, public spaces, industrial precincts, and critical infrastructure.



ABOUT YAMANHA

Yamanha delivers specialist construction, repair, and remediation services across Buildings, Defence, Industrial, Mining, Oil & Gas, Water and Wastewater, and Infrastructure sectors.

Our services are engineered to restore structural integrity, extend asset life, and enhance durability, in the most demanding areas and harsh conditions.

Our end-to-end capability spans asset inspection and condition assessment, design, structural strengthening, access systems, post-tensioning, repairs, concrete and steel coatings, cathodic protection, and other specialist techniques tailored to asset longevity and performance.

By integrating these services in-house, we provide single -point accountability—ensuring efficiency, consistency, and control throughout every stage of delivery.

We combine local expertise with cutting-edge technology to deliver durable, value-driven outcomes tailored to each asset. With a focus on innovation, engineering excellence, and sustainability, we work with our

clients to build long-term solutions that leave a positive legacy. Our most valuable asset is our people, and they drive everything we do.

As part of the global Soletanche Freyssinet and VINCI Group, operating in 100+ countries with over 185,000 staff, we bring international backing to every project. This international network gives us access to leading research, shared expertise, and proven methodologies, which we adapt to Australian conditions to deliver smarter, safer, and more sustainable outcomes.

By combining precision engineering with world-class innovation, we deliver solutions that stand the test of time and set new benchmarks for asset performance.

OUR LOCATIONS

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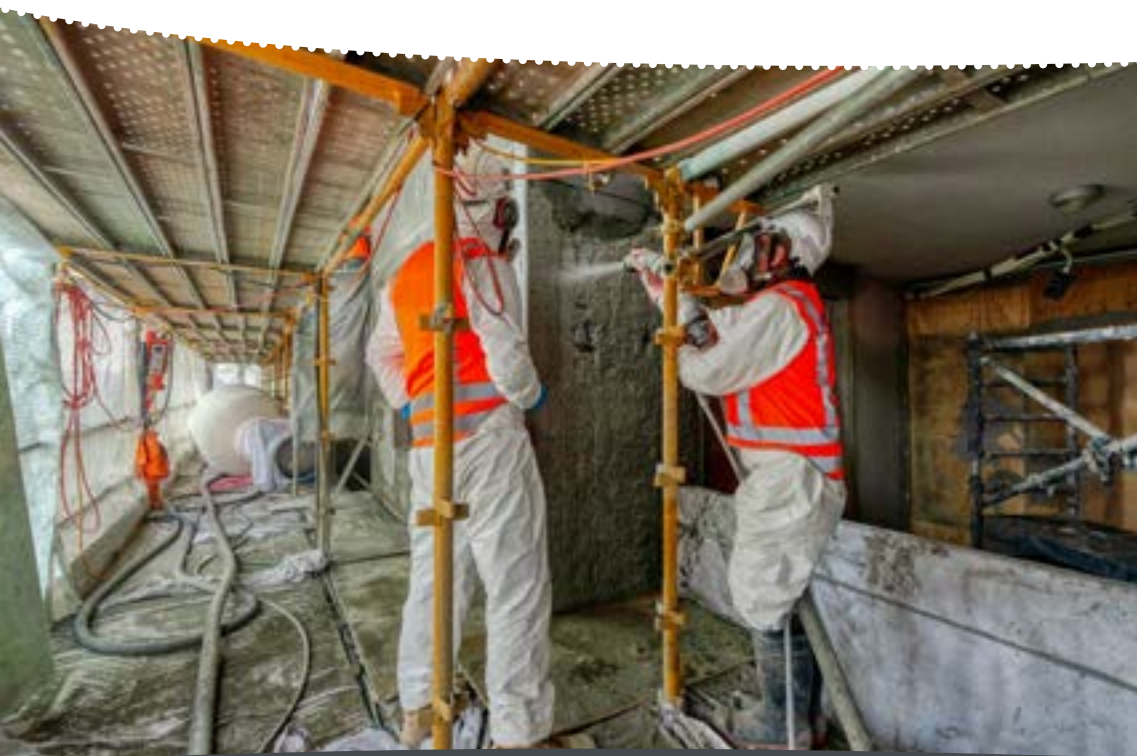
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