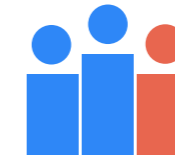


INFRASTRUCTURE REHABILITATION



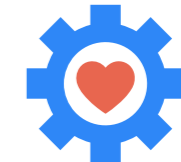


OUR GUIDING PRINCIPLES



People are everything

We value diversity and inclusion and strive for the power of collective wisdom by encouraging individual competition, but not at the expense of a strong team. We reward on merit while seeking out people prepared to engage ethically and responsibly with the skills and imagination to aspire to reach the highest levels.



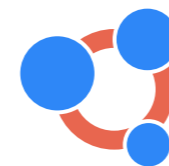
Doing the right thing

Doing the right thing is an individual priority and a collective imperative. We behave ethically and responsibly when faced with tough decisions about the sustainability of our environment, the health and wellbeing of our people and our communities, and the safety of our work sites.

ABOUT US

Pensar offers insightful, original design thinking, implemented by a team with proven expertise to deliver flexible fit-for-purpose critical infrastructure solutions. We design and realise infrastructure solutions for a range of industry segments, providing a broad spectrum of technical capabilities to serve the diverse needs of government departments, regional and metropolitan councils and the private sector.

With a unique combination of dependable technical skills and proven experience, our clients can choose to draw on one or many of these capabilities according to their project requirements across process water infrastructure, non-process water infrastructure, specialist infrastructure, infrastructure rehabilitation and electrical infrastructure.



Relationships matter

Relationships are built on trust and collaboration. We recognise the power of partnerships that put the project first and are solutions focused. We adhere to the principle of no surprises and the rule of producer/leader/manager to ensure our key people are always close to the action.



Bias for action

We have a bias for action, reinforced by radical transparency and truth. We make a powerful commitment to every project and hold ourselves accountable to get the job done. We will never be afraid to act when faced with uncertainty and recognise the critical importance of timely, informed decision making.



Always improving

We are always improving. Not to be the biggest but to be the best through constant innovation and continuous improvement of ourselves, our systems and our work practices and methods. We deliberately engage a growth mindset that embraces change, accepts mistakes and learns from them, says no to what is not working and strives for excellence.



Pensar's approach to project delivery has established long-standing relationships with clients, who benefit from a company who consistently delivers on expectations.

INDUSTRY SOLUTIONS

Our extensive expertise in infrastructure rehabilitation enables us to provide solutions for a diverse range of industry sectors.

We work extensively in concrete rehabilitation and refurbishment, in addition to the new construction and structural support of assets, applying specialist techniques to extend service life.

Pensar customises its approach for individual project needs ensuring we only use leading edge remediation and protection solutions to deliver the best result for every client.

We are the preferred contractor on many sustaining capital delivery program works across key governments, water authorities and councils.







OUR CAPABILITIES

Pensar delivers concrete repair and rehabilitation, extending the service life of assets including bridges, marine and near shore infrastructure and reservoirs.

Our team comprises specialist professionals trained in the repair of concrete and the application of carefully selected products to meet the remediation needs of a range of clients including

marine, local government, water authorities, industrial facilities and defence.

Early detection and action are crucial, which is why we work with leading engineers to assess concrete and steel structures, and implement suitable remediation and rehabilitation solutions to extend the lifespan of these valuable assets.

Key capabilities

Structure Remediation and Strengthening

Specialist Coatings

Jointing System and Sealing

Reservoir Roof and Access Replacement



PROJECTS

Southbank Promenade Remediation City Parklands Services

Design and Construct

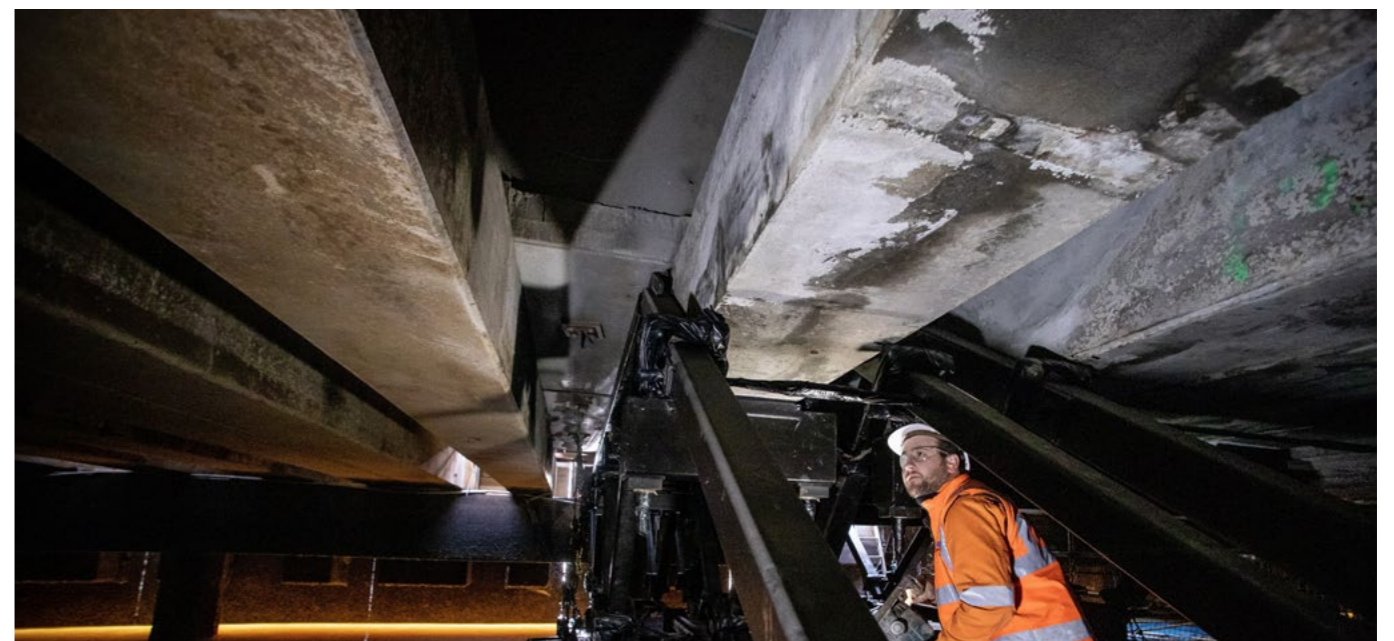
Pensar was engaged by City Parklands Services for the design and construct of the remediation works of Zone C of the Southbank Promenade.

Use of innovative work-arounds halved the projected worktime on this project.

Routine maintenance inspections identified concrete decking units which required structural strengthening to ensure the load capacity of the promenade was maintained.

Pensar gained access through the 990mm gap in the promenade piles via canoes and utilised float bricks to float in individual temporary working platform pieces.

Due to limited access, crews worked around the tides leaving only four hours each day to enter and leave the works area. Upon installation of the working platform proposed by Pensar, crews were able to operate in waders up to eight hours a day.





PROJECTS



Hunter Water Reservoir Refurbishments Hunter Water

Remediation

Three reservoirs, constructed in the 1920s and '30s, were experiencing significant water loss through the wall and floor expansion joints.

Pensar was engaged for the refurbishment of one above ground and two partially buried reservoirs.

The scope of works included the supply and application of polyurea membrane system, restoration of distribution surfaces and sandblasting and recoating of steel reservoir access platform.

Pensar was awarded the 2021 ACRA Award Winning Project for the delivery of these works.

PROJECTS

Greenbank Reservoir Renewal Logan Water Infrastructure Alliance

Design and Construct



The rehabilitation works at Greenbank Reservoir were part of the Logan Water Infrastructure Alliance's Reservoir Renewals project, which involved the remediation and refurbishment of three reservoir sites across South East Queensland.

The Greenbank site involved the rehabilitation of the existing water reservoir infrastructure consisting of two low level reservoirs and one elevated tower reservoir.

The purpose of the project was to improve the water quality, maintain head pressure, and ensure the assets were future proofed.



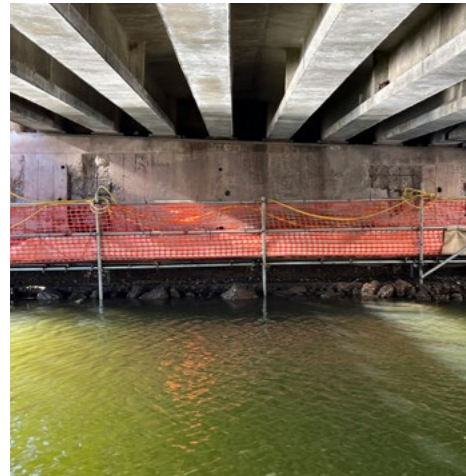
Churchill Island Bridge Rehabilitation Phillip Island Nature Parks

Remediation

Phillip Island Nature Parks engaged Pensar to repair areas of concrete spalling and cracks to the crucial high traffic bridge connecting Phillip Island and Churchill Island.

Significant high-level pre-project planning was undertaken to successfully ensure there was no harm to the highly sensitive marine environment.

PROJECTS



Sunshine Coast Bridge Repairs Package Sunshine Coast Regional Council

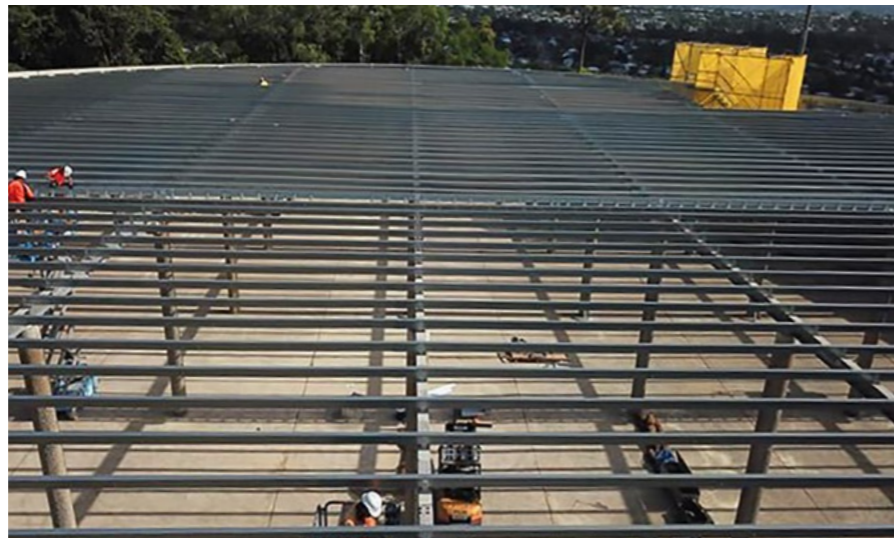
Rehabilitation

Following a series of Level 2 bridge inspections, the Sunshine Coast Council contracted Pensar to complete the rehabilitation of four bridges so as to extend the service life of the assets.

A combination of spraying and rolling applications combined with the use of a barge deck

and catching nets ensured no chemicals entered waterways.

Following the successful delivery of this project, Pensar went on to complete an additional two bridge rehabilitation packages for the Sunshine Coast Regional Council.



Cairns Reservoir Refurbishments Cairns Regional Council

Rehabilitation

To meet current and projected water supply demands, Pensar was engaged for the upgrades of the existing Henley's Hill, White's Gap and Janett Street reservoirs.

Cairns Regional Council's main objective was to increase the service capacity and security

of supply, as part of the water network upgrade.

Works for each reservoir included the repair and replacement of the roof, components, box gutters, hatches and ladders, application of protective coatings, crack injection and installation of internal liners.

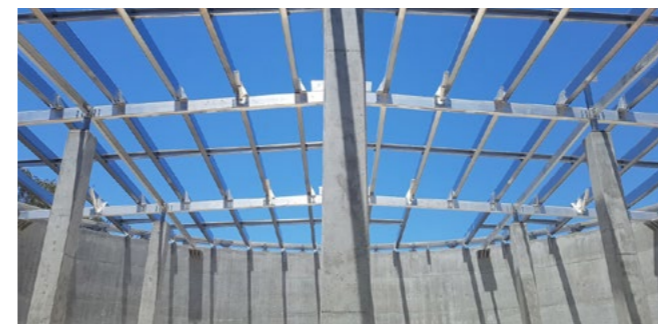
PROJECTS



Pinkenba Wharves Refurbishment Maritime Safety Queensland

Design and Construct

Maritime Safety Queensland engaged Pensar to refurbish both of their operational wharves. The broad scope saw Pensar engage a dynamic team of consultants and specialised contractors to design and undertake the construction. Works included the design and construction of a custom tidal mooring pen system, including the installation of new steel piles and a dynamic mooring system to suit the new workboat.



Fassifern Water Reservoir Rehabilitation Downer Group

Construction and Rehabilitation

Boonah's water supply network required upgrading to increase the service capacity and security of supply to meet current and projected demand. Pensar was engaged for the construction of a new reservoir on the site, refurbishment of an existing reservoir and associated demolition works. As an outcome of this project delivery, Pensar was also awarded the Reservoir 131 Birnam Range reservoir refurbishment.



Murray River Bridge Repairs Murray River Council

Rehabilitation

Pensar was engaged to carry out concrete investigation and analysis of defects to eight bridges. In collaboration with a consulting engineer, Pensar designed a rehabilitation program to extend the service life of the assets, which considered varying deterioration mechanisms. Scientific evaluation of the defects allowed Pensar to develop a methodology and provide a solution that met the requirements of the client.



Elanora and Merrimac Clarifier Upgrades Liquitek

Remediation

Pensar were engaged to upgrade the mechanical and coating systems of four secondary clarifiers at the Merrimac WWTP and three secondary clarifiers at the WWTP, extending the service life of each. Protective coatings were spray applied to ensure a consistent film build and to assist in timely application.

OUR MANAGEMENT SYSTEMS

Pensar maintains a well-documented management system that serves as an effective risk management tool and communicates our quality assurance, workplace health and safety and environmental management processes.

Safety

Pensar strives to be recognised as an industry leader in health and safety performance and follows industry best practice. Safety is our highest priority and our very low Workers Compensation Premium Rates are evidence of our proven health and safety systems and culture.

INDUSTRY WORK COVER PREMIUMS

INDUSTRY PAYS **\$2.10** PENSAR PAYS **\$0.21**

Clients

Our philosophy of consistently delivering on expectations has created enduring relationships with some of Australia's most valued infrastructure developers. We take extreme pride in the diversity and quality of the projects we deliver. It is the breadth, depth and significance of our clients that has enabled us to establish and grow successfully for many years.

Community

Pensar has aligned itself with grassroots organisations where our team members can be actively involved and see first-hand the impact of their positive actions and contributions.

Quality Assurance

Pensar puts systems in place to ensure our projects deliver a level of quality that exceeds client expectations. With the application of our management systems, we ensure all employees, suppliers and subcontractors operate with Pensar's quality objectives in mind.

Environment

Pensar is committed to reducing environmental harm and minimising our impact on the environment. We believe excellence in environmental performance is essential and effective environmental management is an integral part of all projects.

Procurement

Pensar always tries to use a local workforce where possible. Our policies and procedures ensure our procurement principles are ethical whilst ensuring we focus on value for money, quality products.

Industry Certifications and Accreditations

GRS Quality Management System, Certificate number: 4779001610075

GRS Environmental Management System, Certificate number: 47714001610075

GRS Occupational Health & Safety Management System, Certificate number: 47745001610075

OFSC: Pensar Water, Pensar Building, Pensar Project Infrastructure: Certificate number: 341

Building Services Authority PQC3

Energex Accreditation Rating WCS2, 34, 37 & 61

Ergon Energy Approved Suppliers Register Rating B

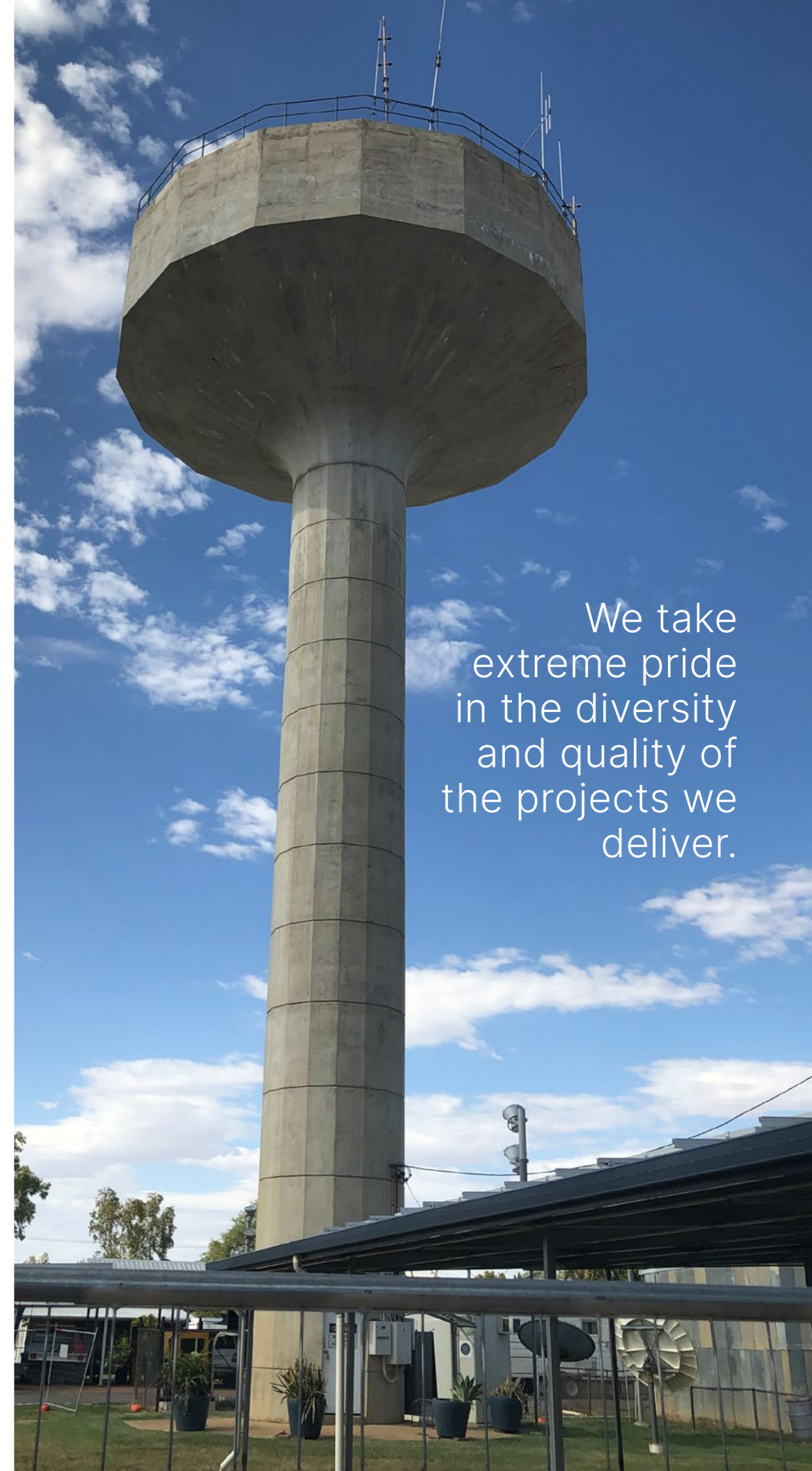
Austrroads DS6 - BM/F2 (Tasmania)

Licences

QBCC Contractor Licence 1081361

QLD Government Electrical Contractor Licence 76158

NSW Government Contractor Licence 266065C



We take extreme pride in the diversity and quality of the projects we deliver.



Get in Touch

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