

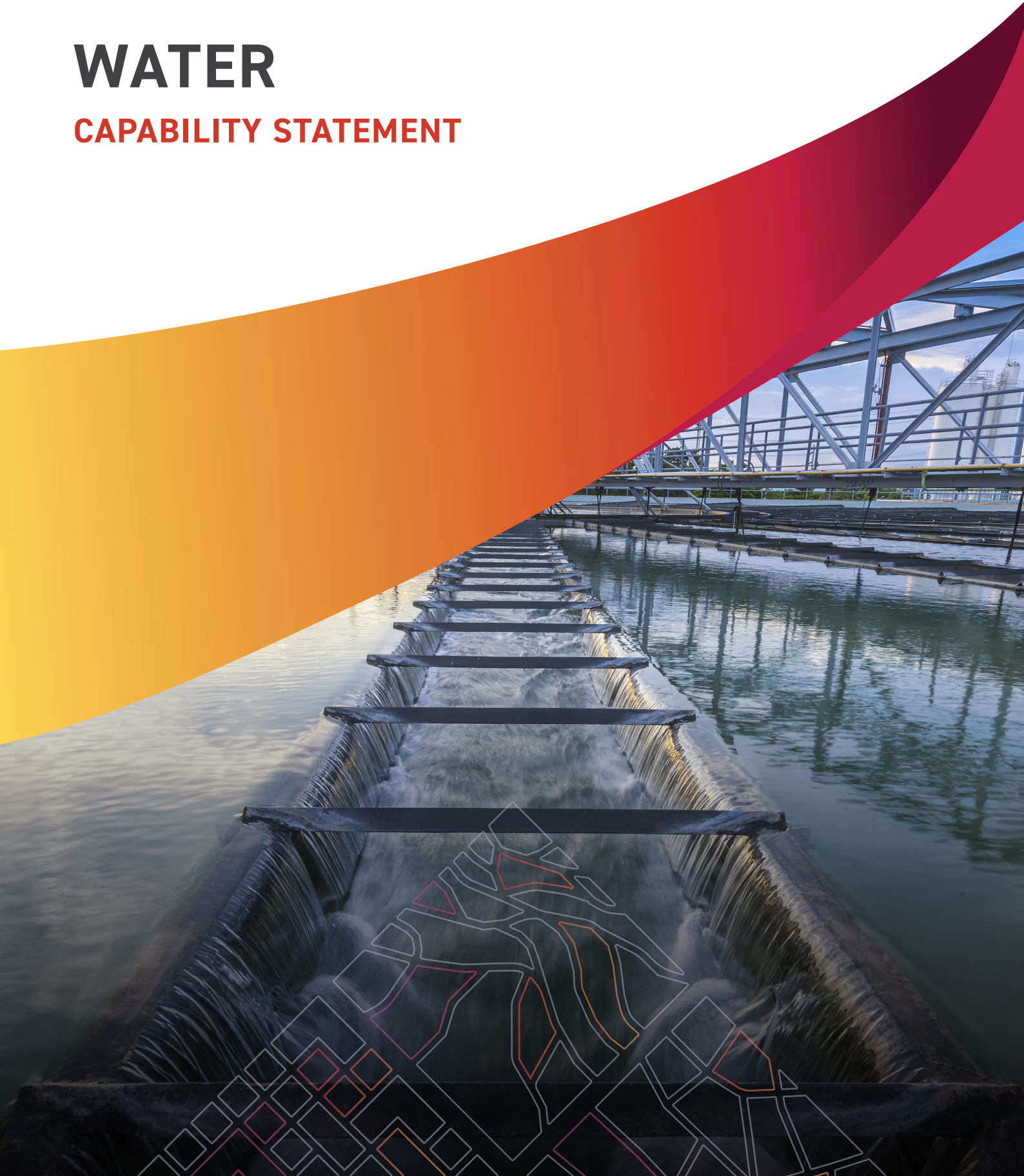


PLAN / DESIGN / DELIVER

Premise

WATER

CAPABILITY STATEMENT





INTRODUCTION

Premise is a full-service multidisciplinary consultancy that provides tailored solutions across various sectors including Built Environment, Water, Environmental & Renewables, and Transport.

Our diverse skills and experience, coupled with our collective drive and determination, has created an energetic culture of thought leaders focused on providing greater outcomes within both public and private arenas. We are committed to providing unparalleled leading-edge capability and solutions to our clients, delivered with a local, regional and personalised touch.

Above all we strive to exceed our clients' expectations each and every day.

LOCATIONS

We have over 200 people in the following locations:

NEW SOUTH WALES

- > Albury
- > Dubbo
- > Goulburn
- > Orange
- > Oran Park
- > Wagga Wagga

QUEENSLAND

- > Brisbane
- > Mackay
- > Rockhampton
- > Sunshine Coast
- > Townsville

WESTERN AUSTRALIA

- > Perth

PAPUA NEW GUINEA

- > Port Moresby



PHILOSOPHY

Premise is committed to going above and beyond to plan, build and deliver innovative projects informed by expertise, an ethical framework, strong relationships, and a commitment to creating valued places and vibrant communities.

Premise strives to exceed expectations in every area. For our clients and communities. Every aspect of our work is informed by an ethical framework. We want to enrich the communities where we work and leave the world a better place. A greater place.

Together, we are more than the sum of our parts. Our collective expertise and shared drive allow us to deliver greater outcomes.

We are Premise.

**Our vision is to lead the creation
of valued places, communities and
environments.**

OUR CAPABILITIES

With a team of over 200 staff, Premise can offer capability and experience in engineering (civil, structural, environmental, traffic and water), project management, planning, surveying, contract administration, and architecture.

Premise has an established Water and Wastewater with expertise and experience in Surface Water and Flood Analysis, Water Treatment and Water Distribution, Wastewater collection, Treatment and Recycling and all related disciplines associated with the delivery of Water infrastructure projects.

Premise is regularly consulted by State, Federal and Local government as well as corporatised organisations in the development, management and operation of infrastructure assets. Premise partners with organisations to develop solutions for new infrastructure and the replacement and improvement of existing water assets.

Premise has worked with organisations involved in projects in the transport, freight, water, health, education, resources and energy sectors and have delivered a wide range of public and civil infrastructure projects that add value to the local communities in which we work. Our expertise and experience are demonstrated by the support from our clients.

Our extensive knowledge of the factors influencing the water industry allows us to create safe, robust, cost effective and sustainable engineering solutions which meet the future water needs of the community, business, services and industries across Australia and Papua New Guinea.

OUR SERVICES

SURFACE WATER & FLOOD ANALYSIS

Engineering solutions that ensure safe water for our communities, industrial, business and agricultural needs. Our team collect data across predetermined criteria, allowing for physical, chemical and biological indicators to be evaluated and assessed.

WATER TREATMENT & DISTRIBUTION

Offering water treatment services and solutions for various industries across Australia, the Premise team combine technology, science and industry knowledge to develop lasting solutions.

WASTEWATER COLLECTION TREATMENT & RECYCLING

Working across residential and commercial spaces, Premise is equipped to audit, analyse, design and deliver site suitable solutions. Our wastewater management team bring skill and knowledge that align with client needs.



SURFACE WATER & FLOOD ANALYSIS

Case Studies

Premise has worked in collaboration with State and Local Government and corporatised organisation as asset developers, owners and managers, on a number of projects across Queensland, NSW, WA and the Asia Pacific.

Premise have the capability to undertake stormwater management/drainage investigations and studies including detailed hydrologic analysis and 1D/2D hydraulic modelling.

MORVEN CATTLE YEARD TRANSPORTATION INTERCHANGE

Morven, QLD

Detailed hydrologic assessment and 1D/2D hydraulic modelling of floodplain Impact assessment on neighbouring rail and road infrastructure.

NOAH CREEK BRIDGE

QLD

Detailed flood assessment 1D Hec Ras and 1D/2D TUFLOW modelling to inform the design of a new bridge on the Cook Highway.

WASTEWATER COLLECTION, TREATMENT & RECYCLING

Case Studies

NORFOLK ISLAND WWTP DESIGN NORFOLK ISLAND REGIONAL COUNCIL

Norfolk Island, NSW

The existing treatment plant had come to its end of life with poor performance and increased discharge quality requirements into a national marine park. Engagement to undertake water quality sampling and analysis, discharge requirements, options analysis for different treatment methods, concept design and assistance in the initial costing for budget determination. Estimated cost of plant \$20M+ with a 450 KL/day capacity. Key innovations included a solar power run plant, tight reuse conditions with RO polishing and potential PFAS presence in influent removed in process not at the biosolids.

EVERLEIGH PUMPING STATION AND RISING MAIN 11 DETAILED DESIGN LOGAN WATER

Logan, QLD

Detailed design of pumping station in new estate for Logan Water. Pumping station at approximately 16 L/s with a head of 22m. Worked included pump selection, detailed layout and incoming mains, overflow provisions, emergency backup allowances with bypass pump set out. Output via detailed design drawings, and standard design report.

MORAYFIELD TRUNK SEWER INVESTIGATION AND DESIGN

Morayfield, QLD

Premise were engaged to investigate and design the trunk gravity sewer. The trunk gravity sewer is approximately 1.7 km long including an aerial crossing. Key work included options analysis for alignment, survey and detailed design. Challenges included the material selection of the aerial crossing and the flotation issues around the line in a flood zone.

MUDGEES WWTP REVIEW MID-WESTERN COUNCIL

Mudgee, NSW

Site inspection and overview of the issues surrounding the WWTP. Initially the client considered a required upgrade but upon inspection and review the plant operation and original design needed review with a delayed requirement of additional treatment trains. This resulted in considerable saving to the client.

ALBURY WWTP OPERATIONAL REVIEW ALBURY CITY COUNCIL

Albury, NSW

Assist in the restarting of the treatment plant, including the provision of a testing regime for the restart period, incorporating handheld analyser and laboratory testing to enable an understanding of the progress of the biomass capacity to treat the leachate. Provision of any process adjustment advice for process parameters including feeding frequency of the bioreactor and assistance in analysing the sampling and testing results.

GLADSTONE PUMPING STATION ASSET CONDITION ASSESSMENT AND HYDRAULIC REVIEW GLADSTONE COUNCIL

Gladstone, QLD

Asset Condition Assessment of 27 sewer pumping stations to IPWEA standards including site inspections, ranking, development of risk assessments and forwards capital works requirements for each station. Work was conducted over 2 financial years involving hydraulic analysis and pump fault issues with each station.





WATER TREATMENT & DISTRIBUTION

Case Studies

DUNEDOO NETWORK MODEL

Dunedoo, NSW

A two part hydraulic system with bore supply to a upper and lower reservoir zone. Outcomes involved recommendations to change the operation of the reservoir interaction as well as renewal of several mains with the network.

NEBINE TRUST WATER NETWORK ANALYSIS

Cunnamulla, QLD

For application for QLD grants to place 160Km of water mains on cattle feed lots the Trust required data collation (elevation data, bore drain details, paddock names, watering requirements etc.), Hydraulic design including analysis, development of maps and other documentation suitable for accompanying the QLD government submission for funding for water grants.

AYR WATER TREATMENT PLANT

Ayr, QLD

The design and documentation of a new reservoir, pumping station including Sodium Hypochlorite dosing and the associated pipework. The work included process philosophy for the new work along through to technical specifications for the construction component.

HAUGHTON PIPELINE

Townsville, QLD

Premise undertook the project management of this \$215m project. Overall coordination and management, liaison with Traditional Owners, liaison with local industry and stakeholders, development of procurement plans, preparation of tender documents and contracts and project reporting.

OTHER PROJECTS

Contract Administration Services

Premise can offer full-service programme and project management services including works inspection, preparation of funding applications, contract administration, programme/project reporting, stakeholder management and works inspection. Example projects include

Napranum NDRRA Program

Premise have undertaken the full gambit of works for the 2014,2015,2016 NDRRA programs for Napranum Aboriginal Shire Council Administration and management of the entire program from assisting Council with applications for funding, inspections and identification of REPA works, full contract administration and reporting to QRA.

Haughton Pipeline Project

Premise undertook the project management of this \$215m project Overall coordination and management, liaison with Traditional Owners, liaison with local industry and stakeholders, development of procurement plans, preparation of tender documents and contracts and project reporting.

Surveying

Premise can offer a full range of survey services, including Site Detail and Topographic Survey, Design and Construction Surveys, aerial and drone survey. Survey work that ties into the planning and design of water work Examples include;

Norfolk Island WWTP Survey

Premise undertook a full survey for the future treatment plant, including aerial photography, datum set up, related services search, existing structure identification and location with feed into the design drawings.



CONTACT US

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