

TWICE THE ACHIEVEMENT

PROJECT MANAGERS : *Premise Australia*
CONSTRUCTION VALUE : \$220 million

The Houghton Pipeline Duplication Project involves the duplication of a fully functioning 36.5km pipeline from the Houghton Pump Station to the Ross River Dam to top up dam levels during periods of low rainfall and includes more than 36km of 1800mm dia GRP pipework and is capable of supplying 234 ML/day, improving water security for the region and creating more than 600 jobs.

Premise, a leading diversified consultancy based throughout Queensland, New South Wales and Asia Pacific, has successfully completed a major water infrastructure project for the Queensland Government.

Premise Townsville was entrusted with the role of Project Manager to oversee the duplication of the Townsville City Council Houghton Pipeline in order to improve water security for Townsville.

The \$215 million project involved the construction of a 36.5km pipeline from the Houghton pumping station to the Ross River Dam and brought with it many tangible community benefits which went beyond the primary objective of duplicating the existing pipeline.

Premise Executive Director and company representative on the project, Patrick Brady, said a key priority was to ensure that local companies were involved in the project to the maximum extent possible. "The project was let into eight discrete packages to enhance local involvement. To ensure this was successful, Premise developed a procurement strategy that assessed the technical and financial capabilities of local communities. Packages were then designed around these capabilities."

Eight major packages were released and six went to locals, which was considered to be a successful outcome. The other two involved the supply of pipes and a large under bore and there was no local supplier able to fill those contracts. Overall, the project provided a substantial employment boost for North Queensland.

Other key challenges that had to be met were making suitable agreements with Traditional landowners including a cultural heritage agreement, as well as meeting the expectations of the local communities impacted by the project. From a scheduling perspective, the time line for the supply and delivery of the 1.8m diameter glass reinforced polymer pipe also had to be managed.

Premise was commissioned as project manager in late January 2018 but had started discussions with Council in early August the year before to propose a structure for the management of the project.

"When we were operating at the peak level of activity, We had 18 employees engaged on the pipeline duplication project" explained Patrick.

From the inception of discussions, Premise took a collaborative approach with all stakeholders and worked closely with relevant staff at the Townsville City Council. As Project Manager, Premise was responsible for overall coordination and management, including the development of performance indicators for the project.

Premise coordinated survey investigations, prepared tender documents and assessed submitted tenders. Contracts were then prepared for the successful tenderers.

One of Premise's main tasks was to regularly report to the Project Leadership Team of Townsville City Council on safety, the budget programme and progress against the agreed performance indicators.

Premise has many years experience in the water and waste water sector, with a specialist team which works closely with local and state government authorities and clients in infrastructure, resources and property, providing water modelling for dynamic infrastructure projects. Areas of expertise include assisting with asset management, replacement and renewal. In addition to the Houghton Pipeline duplication for Townsville City Council, Premise's client list currently includes the Noosa Shire Council and Gold Coast City Council.

Premise has the unique capacity to call on their expert teams in other sectors of their operations including engineering, environmental assessment and monitoring, land management, urban planning, contract administration and surveying.

"Our mission at Premise is to plan, design and deliver infrastructure and vibrant communities. We have built a skilled and experienced team of professionals who deliver on our mission every day. Our completed projects testify to the capabilities we have," said Patrick.

Achieving positive environmental outcomes was always a priority, with Premise able to deliver fully integrated and sustainable solutions which are both practical and cost effective for clients in both the public and private sectors.

For more information contact Premise, 84 Denham Street, Townsville QLD 4810, phone 07 4772 0666, email main@premise.com.au, website www.premise.com.au





CUTTING EDGE SOLUTIONS

BMS LaserSat has provided sales, service and support for Trimble products since 1979, servicing the agriculture, construction, survey and building Industries.

The company's GCS900 GPS hire equipment was installed across various machines onsite, including excavators, graders and dozers. "Our Townsville branch was engaged to work on the Houghton Pipeline project. BMS LaserSat provided complete 3D GPS grade control across the site," said Ian Smith, Townsville Manager.

The Trimble 3D grade control systems bring design surfaces, grades and alignments into the machine cabin for precise, stakeless construction that saves time and money. With these capabilities, the operators are able to see precisely where dirt is needed to be moved on site.

BMS LaserSat's GPS solutions were used extensively throughout the surveying and excavation stages of the Houghton Pipeline project, as well as through much of the grader work. This is the latest example of BMS bringing the physical and digital worlds together on a large scale, and the company is quickly growing their reputation as the best in the laser and machine controlling business.

"We are also heavily involved in the construction of the \$276 million Cape York Region Package. This is a progressive upgrade package of the Peninsula Developmental Road between Lakeland and the Rio Tinto Boundary, south of Weipa."

BMS LaserSat's dedication to the construction industry means that they provide complete solutions from concept to completion, and with the preparation of Design Data into the Trimble format, the team delivers turnkey custom packages to solve their customers' individual positioning problems. An investment in BMS LaserSat and Trimble technology leads to increased productivity and improved efficiency.



For more information contact BMS LaserSat, Unit 3/14 Black Hawk Boulevard, Thuringowa Central QLD 4817, phone 07 4755 9400, website www.bmslasersat.com.au

KEEPING SAFETY ON HAND

Accidental Health & Safety NQ (AHSNQ) offer an extensive range of first aid supplies for construction projects small and large. Safety is paramount on any work site, and the Houghton Pipeline Duplication with its remote location and size required a state-of-the-art first aid system.

"We supplied a full range of first aid equipment to set up the first aid room," said Owner, John Ardill. "We also provided kits for all the vehicles and other areas of the development."

Accidental Health & Safety have been keeping construction workers safe since 1986. The company works closely with companies and organisations nationally, through their local distributors, to comply to Standards and OH&S legislation, ensuring Australian workplaces are equipped with first aid and safety solutions to minimise hazards and accidents.

AHSNQ's local onsite service team are always available to work with businesses to maintain a safe workplace through sourcing products suitable to each individual industry. This tailored approach ensures that each workplace is ready to deal with any emergency.

"We set up and maintain the first aid programmes for any projects until completion. We also provide first aid solutions for companies

and subcontractors who are responsible for their own first aid. We've recently set up the first aid rooms for two major solar farms."

AHSNQ are certainly a versatile company. Not only do they work on everything from huge infrastructure projects to making sure sole traders have the right safety equipment. They are a local family run business covering a large territory in North Queensland, which extends from Ingham to Bowen and across to Richmond.

For more information contact Accidental Health & Safety NQ, phone 0438 871 589, email nq@accidental.net.au, website www.accidental.com.au

