



DOWDENS

PUMPING & WATER TREATMENT

WATER & SEWAGE TREATMENT CAPABILITY STATEMENT



www.dowdens.com.au



COMPANY BACKGROUND



As Queensland's leading pumping and water treatment organisation, we have the capabilities and expertise to provide our customers with purpose engineered solutions, which ensure greater productivity and market advantage.

With over 40 years industry experience, we understand industry requirements and the importance of minimal down-time, quality products and market leading solutions. We operate primarily in the mining, coal seam gas, industrial, commercial, tourism, municipal, agricultural and domestic industries.



Dowdens Pumping & Water Treatment originated in Mackay, as a family owned and operated company which has grown significantly. We remain wholly Australian owned with branches now operating in Mackay, Rockhampton, Proserpine and Brisbane we are able to confidently service our customers throughout Queensland, nationally and internationally.

Queensland's leading pumping and water treatment organisation...



We are committed to the sustainable development of the environment and the communities in which we operate. We are committed to our people, to their health and safety, their professional development and promoting a healthy lifestyle balance.



Dowdens Pumping & Water Treatment is proud to be part of the Dowdens Group, which collectively has over 180 employees and consists of Dowdens Pumping and Water Treatment in Mackay (Head Office), Brisbane, Rockhampton and Proserpine; McGinns Engineering Supplies in Mackay; and Emerald Air Starters and Equipment in Emerald.

SOLUTIONS ENGINEERING



Since 1973, Dowdens Pumping & Water Treatment have been supplying customers with expertly engineered solutions for their fluid handling and treatment problems.

We are Queensland's leading pumping and water treatment organisation with the capabilities and expertise to provide our customers with complete turnkey packages covering design, manufacture, supply, installation and commissioning of all water and sewage treatment systems required for your infrastructure projects - in essence we are a 'one-stop pumping, water and sewage treatment shop'.

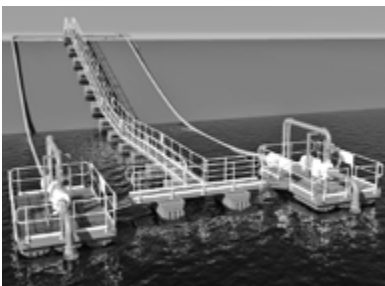
DESIGN

We have a team of experienced engineers and draftsmen who excel in product development to meet ever changing market demands and expectations. As industry leaders, we have proven ability to provide customers with a vast range of fluid handling and treatment solutions.



MANUFACTURE

We have inhouse workshops in Brisbane and Mackay that deliver a wide range of specialised services and equipment, including CNC lathes, fabrication workshops, a paint bay, and wash down bays with over 30 experienced trades people, apprentices and trade assistants.



INSTALLATION AND COMMISSIONING

Here at Dowdens we are proud of our extensive range of infield capabilities – which includes teams of skilled tradespeople, project engineers and project managers. We are able to install and commission all types of projects, ensuring each job is completed to comply with the clients specific project standards and requirements.

SERVICING

Dowdens Pumping & Water Treatment have a fleet of fully equipped service vehicles offering a range of specialised services including maintenance and repairs on equipment and products. We also offer dedicated water, waste water and sewage treatment systems, testing and servicing across a wide range of equipment.





PROJECTS

Dowdens Pumping & Water Treatment has been involved in the design, manufacture, installation and commissioning of countless water, waste water and sewage treatment plants throughout Queensland and overseas.

Our packaged water, waste water and sewage treatment plants are engineered inhouse to meet our client's specific requirements. Through expert design, manufacture, supply, installation and commissioning our complete turnkey systems utilise our own manufactured products and proprietary equipment supplied to us by our OEM's, including but not limited to products sourced from: *Grundfos, PSG Dover, Siemens, Tyco, Bürkert, MattenPlant and Miranda.*

Our client portfolio includes: *Origin Energy, Mirvac, Hutchinson Builders, Broad Construction, Leighton Contractors, BMA, BHP Billiton, Newcrest Mining, Peabody Energy, Dulux, Thiess, Downer EDI, Arrow Energy, Rio Tinto, AngloAmerican and Vale* - just to name a few!

Below are a selection of case studies highlighting Dowdens Pumping & Water Treatment's plant and product innovation within the water, waste water and sewage treatment industries - **to view all case studies visit: www.dowdens.com.au/media_library.asp**

Rotating Biological Contactor Sewage Treatment Plant

Daily Treated Water Production: 120kL

Location: Reedy Creek, QLD

Customer: Hutchinson Builders

Dowdens Pumping & Water Treatment were contracted by Hutchinson Builders to design, manufacture, supply, install and commission a Rotating Biological Contactor (RBC) Sewage Treatment Plant (STP) for a 400 man work camp located at their Wilga Park work site. The Class C treated effluent is discharged on site via a purpose built 6ha irrigation system.



PROJECTS

200 Man Work Camp Sewage Treatment Plant

Daily Treated Water Production: 60kL

Location: Euthulla, QLD

Customer: Mirvac

Dowdens Pumping & Water Treatment were contracted by Mirvac to design, manufacture, supply, install and commission a Rotating Biological Contactor (RBC) and Ultrafiltration (UF) Sewage Treatment Plant (STP) for a 200 man work camp located at their Spring Gully work site located at Euthulla (near Roma). The treated effluent is discharged to an on site Pongamia plantation via an irrigation system in accordance with criteria from the Class A recycled water guidelines.





PROJECTS

400 Man Camp Potable Water Treatment Plant

Daily Treated Water Production: 120kL

Location: Reedy Creek, QLD

Customer: Origin Energy

Dowdens Pumping & Water Treatment were engaged by Origin Energy to design, supply, install and commission a potable Water Treatment Plant (WTP) at their Wilga Park 400 man camp. The existing on site bores delivered raw water which was high in conductivity, total dissolved solids, sodium, chloride, iron and aluminium which needed to be removed to meet Australian Drinking Water Guidelines. The treatment process and plant that was recommended, and accepted by Origin Energy included; pre-treatment, ultrafiltration (UF), reverse osmosis (RO), carbon filtration and disinfection systems.





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