



CAPABILITY STATEMENT



www.dowdens.com.au

COMPANY OVERVIEW



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. We understand the importance of minimal down-time, quality products and market leading solutions. We operate primarily in the mining, industrial, commercial, agricultural, civic and domestic industries.



Dowdens Pumping and Water Treatment originated in Mackay, as a family owned and operated company which has grown significantly. With branches now 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 and 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.



ORGANISATION



As a proud part of the Dowdens Group, Dowdens Pumping and Water Treatment has access to a range of products, services and experience which further enhances our capabilities and scope of expertise offered to our customers. We believe we can ensure quality results through the quality of our people.

DOWDENS GROUP MANAGEMENT TEAM

Trevor Dowden
Steven Dowden

Founder
Group General Manager

Joy Shew
Andrew Musgrave
Rod Robinson
Paul Brighton
Sarah Day
Richard Irelandes

Group Manager - Administration
Group Manager - Marketing & Communications
Group Manager - IT
Group Manager - Commercial
Group Manager - People, Performance & Training
Group Manager - Safety



DOWDENS PUMPING AND WATER TREATMENT

MACKAY (HEAD OFFICE)

David Dowden
Nathan Cross
Theo Greyling
Peter Montgomery

Sales Manager - Agricultural and Industrial
Sales Manager - Mining
Operations Manager - Workshop
Engineering Manager - Projects Department

ROCKHAMPTON

Adam Trask

Branch Manager

BRISBANE

David Loomes

Branch Manager



We believe we can ensure quality results through the quality of our people...

MANAGEMENT SYSTEMS



ENVIRONMENTAL AND WASTE MANAGEMENT

Dowdens Pumping and Water Treatment is committed to developing and utilising environmentally sustainable products and equipment, in an effort to minimise our environmental impact.

We strive to meet our customer's expectations in all facets of the organisation. We understand that effective and efficient environmental management and sustainable strategies not only enrich the quality of our products and services, but also encourage us to improve our business practices.



Our Environmental and Waste Management Plan aims to clearly define the Dowdens Pumping and Water Treatment strategy to manage and reduce our environmental impact on site, during product development and in maintaining an environmentally conscious workforce.

Our strategy is to manage and reduce our environmental impact...



In an effort to continue delivering products and services that resonate with customer expectations, we welcome feedback on improving our environmental management practices.

MANAGEMENT SYSTEMS



THE DOWDENS GROUP SAFETY PHILOSOPHY

The Dowdens Group aims to be recognised as an industry leader in workplace health and safety, and our people take justifiable pride in the safety programs we deliver as an organisation. We are committed to providing a safe and healthy work environment for all employees, contractors, customers and suppliers. This commitment to safety is a core element of the Dowdens Group corporate culture.

Occupational Health and Safety is of paramount importance to the continued wellbeing of all personnel attending a Dowdens Group workplace or site. There is a shared belief across all levels of our business units, that every incident, and therefore every injury, is preventable.

Our OHS policy is based on the following principles:

- All occupational injury and illness is preventable.
- No job is so important or urgent that it cannot be done safely.
- An incident and injury free project is achievable.

Every Dowdens Group employee has a right to stop working if they feel it is unsafe to continue.

“If it is not safe, stop the job and make it safe”

The Dowdens Group safety philosophy is embedded in every Dowdens Group project and work site through a combination of technical field procedures and ongoing training programs. Our approach to implementing new or improved standards, processes and procedures helps us achieve safer and more environmentally friendly outcomes. Our Health, Safety and Environmental goals and policies are vital and integral elements of our business. Our safety focused management systems and processes influence everything we do.

The Dowdens Group is committed to a programme of continuous safety improvement. We are actively reinvigorating our management systems and engaging our personnel, contractors and suppliers so that their expectations are aligned with ours.

Our dedication to safety helps keep our employees and those around them safe, while benefiting our clients. Fewer injuries means operating costs are reduced and productivity remains high.

We are committed to ensuring every worker goes home to their family safely at the end of each working day. **WORK SAFE – HOME SAFE**



MANAGEMENT SYSTEMS



ASSET MANAGEMENT

Dowdens Pumping and Water Treatment provide asset management services across a broad range of industries to clients who need their assets professionally maintained and preserved.

Our team delivers intelligent specialised design solutions that match the business objectives of our clients through identification and maintenance of critical assets.

asset management services across a broad range of industries...

Our tailored solutions for infrastructure include, but are not limited to:

- Refurbishment and major plant program planning and replacement
- Strategic Asset Management including life cycle planning and modelling
- Condition Assessments and System Failure Analysis and Solutions
- Comprehensive management of all hard services
- Detailed maintenance planning and scheduling for a wide range of industries.

Dowdens Pumping and Water Treatment are committed to our clients satisfaction as illustrated by our track record of long term business relationships and repeat business fostered throughout Queensland over the past 40 years.



SOLUTIONS ENGINEERING



Since 1973, Dowdens Pumping and Water Treatment have been supplying customers with comprehensive solutions to their fluid handling and treatment problems.

We are Queensland's leading pumping and water treatment organisation, and have the capabilities and expertise to provide our customers with products and services that not only provide solutions, but ensure greater productivity and market advantage across a range of industries.

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 within mining, agricultural and commercial industries.

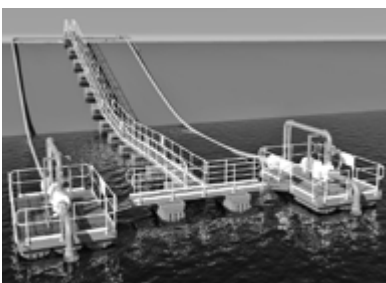


MANUFACTURE

We have in house workshops that offer a 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

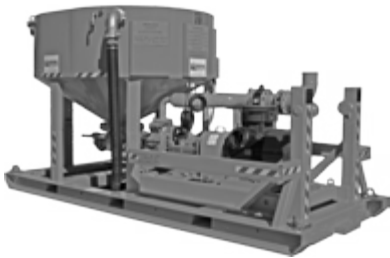
Dowdens Pumping and Water Treatment is proud of its diverse range of infield capabilities – which includes teams of skilled tradespeople, project engineers and project managers. We are able to install and commission all types of projects, ensuring each job is completed to comply with the clients specific project standards and requirements.



SERVICING

Dowdens Pumping and 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 devoted water treatment testing and servicing across a wide range of equipment.

INDUSTRIES



MINING AND GAS

Dowdens Pumping and Water Treatment delivers innovative solutions to suit any mining situation - whether it involves dust suppression, coal handling, LNG, hard rock, gold, underground or open cut. We have designed and supplied specialised dewatering solutions to ensure the safety and efficiency of our clients operations. Our dedicated infield and in house pump and equipment servicing ensures our clients benefit from greater productivity and reduced downtime.

- Dewatering Pump Skids and Pontoons
- Highwall Dewatering - Borehole Dewatering - Elliptical Dewatering Fish Tanks
- Truck Fill Point Pumps, Controls and Snorkels
- Main Pump Stations - Column Sump Pumps - Longwall Booster Pumps
- Vacuum Pumps - Raw Water Booster Pumps - Flocculent Dosing Pumps
- Sump Pumps - Column and Submersible
- Trailer Mounted Pumps
- Dragline Hydraulic Gear Pumps
- Slurry Pumps
- Supply Pumps and Packages
- Water Monitoring and Control Instruments
- Water Truck Variable Speed Pumps and Actuated Valves
- Layflat Hose and Bauer Couplings
- Manifolds and Extended Pipe Runs
- Pipeline Materials and Fittings
- Pressure Reducing Valve Stations
- Dust Suppression Systems - sprays and filtration
- Wash Down Cannons and Pressure Cleaners
- Coal Fine Recovery
- Mine Water Treatment
- Potable Water Treatment Plants for Mining Camps
- Sewage Treatment Plants
- Repair Clamps

INDUSTRIES



COMMERCIAL

We understand the needs of a range of industries, which is why we have developed specialised products and services for commercial industries such as: Ports and Terminals, Golf Courses, Irrigation, Sugar Mills, Turf Farms, Medical Testing Laboratories, Water Treatment Facilities and Holiday Resort Facilities. Our inhouse irrigation designers are certified in Irrigation Design for commercial landscape and turf and we also offer a dedicated service crew to service and repair existing systems, with capability for wire location and pipe leak detection. Dowdens Pumping and Water Treatment can provide complete or part design services, from pump to outlets, design phase right through to commissioning.

- Sprinklers - pop-up, shrub head, impact, micro sprinklers, overhead, misting
- Risers - articulated, flexible, rigid
- Drippers - single emitters, in-line drip pipe, pressure compensated, non-leak
- Booster Pump Systems
- Waste Water Pumps - Chemical Metering Pumps
- Boiler Room Feed Pumps
- Fire Pumps and Servicing
- Potable Water Pump Systems and Infrastructure
- Sewerage Pump Systems and Infrastructure
- Sewerage Packaged Pump Stations and Treatment Plants
- Non-seal canned motor centrifugal pumps for pumping ammonia or liquid refrigerants
- Domestic Pressure Systems - Potable Water Boost Systems
- Hot and Cold Water Pressure Cleaners
- Cooling Tower Water Filtration and Treatment Systems
- Design and Supply of Effluent Water Treatment, Dispersal and Reuse Systems - Commercial Turf Irrigation
- Fertigation Systems
- Backflow Systems
- Water Filtration - Desalination - Ultrafiltration
- Dust Suppression Systems - sprays and filtration
- Specialised Control Valves
- Chemical Dosing Equipment
- Swimming Pool Filtration and Equipment
- Piping and Fittings

INDUSTRIES



AGRICULTURAL

As a company that has built its foundation from the servicing and development of agricultural pumps and water treatment technology, Dowdens Pumping and Water Treatment have the experience to engineer a solution to suit any agricultural application.

- Specialised Repairs and Maintenance services - in field and workshops
- Specialist knowledge in transfer system and pumping efficiency
- Domestic Water Treatment
- Pump Control Systems
- Pumping equipment for Bores, Dams, Creeks, Electric, Diesel / Petrol Engines, Solar
- Effluent Pumps and Disposal
- Centre Pivot Irrigation Systems – Sales and Service
- Irrigation Controllers - Stand alone, central control, 2 wires decoder, hydraulic, solar, battery, mains power, remote, radio
- Poly Reel and Travelling Irrigator Systems – Sales and Service
- Hot and Cold Water Pressure Cleaners
- Storage tanks, Troughs and Tank Stands
- Pipe Systems and associated fittings, including Poly, PVC and Gal Steel
- Screening, separation, dewatering, mixers and thickening processes
- Fertigation Systems
- Hoses and fittings - Valves, piping and consumables
- Generator Sets



PROJECTS

Mount Isa - QLD

Xstrata Zinc - George Fischer Mine

Design & Supply of s/s submersible bore pump, electrics, pipe work & fittings

Duty: 20.5 L/sec @ 280m head

Completed: August 2012

Emerald - QLD

Rio Tinto - Kestrel Mine Expansion

Design & Supply 13 x Underground pump pods (Fishtanks)

Duty: 50 L/sec @ 32m with 10m³ Fishtank x 11 unit

76 L/sec @ 125m with 14m³ Fishtank x 2 unit

Completed: August 2012

Mount Morgan - QLD

Mount Morgan Gold Mine

Design/Supply/Install & Commission 2 x Pontoon pumps with S/S pipework for pit water of pH 2.5

Duty: 45 L/sec @ 60m head (1 x Diesel-driven, 1 x Electric-driven)

Completed: July 2012

Dysart - QLD

Kalari - BMA Saraji Mine

Design and Supply 2 x Ammonium Nitrate Emulsion pump skids for transfer of ANE product on site

Duty: 2 tonne/ min. Includes Diesel compressor and 2 x Wilden PX15 AODD pumps on trailer

Completed: March 2012

Ethiopia - Africa

PDL Toll - BHP Potash Mine Camp

Design/Supply/Install & Commission Water Treatment Plant and Sewerage Treatment Plant

Duty: WTP and STP to be supplied as Plug 'n' Play systems for 120 man camp

Completed: August 2011

Tieri - QLD

Anglo Coal - Grasstree Mine

Design/Supply/Install & Commission Underground pump station

Duty: 33 L/sec @ 365m head

Completed: November 2010



PROJECTS

Emerald - QLD

Rio Tinto - Kestrel Mine

Design/Supply/Install & Commission 500kW submersible bore pump with casing, electrics, pipework & fittings

Duty: 100 L/sec @ 330m head

Completed: October 2009

Mackay Botanic Gardens - QLD

Mackay Regional Council

Design/Supply/Install & Commission a wireless automated irrigation system

Completed: 2006

Mulherin Park - QLD

North Queensland Bulk Ports Corporation

Design/Supply/Install & Commission an automated pop-up sprinkler & in-line drip irrigation system

Completed: 2010

Brisbane Street Redevelopment - QLD

Mackay Regional Council

Design/Supply/Install & Commission an automated in-line drip irrigation system - built to Mackay Regional Council's specifications

Completed: 2009

Papua New Guinea

Clough Curtain Joint Venture.

Potable Water for mine use

Duty: 4 x 44KL/day containerised plants, ultra filtration, reverse osmosis disinfection

Blackwater – QLD

BMA Coal

Potable water for mine use

Duty: 100KL/day ultrafiltration, organic removal, disinfection

Cracow Gold – QLD

Newcrest Mining

Potable water for mine use and town supply

Duty: 100KL/day Ultrafiltration, organic removal, disinfection



CONTACT

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