

GRUNDFOS WATER TREATMENT PROJECT CAPABILITIES

Engineering & Design, Project Management, Installation & Commissioning
Quality Control, Warranty, Service & Spare Parts

be
think
innovate

GRUNDFOS 



Specialised Water Treatment Product Facility, Ormeau, QLD

GRUNDFOS PUMPS YOUR WATER TREATMENT EXPERTS

If you are looking for a strong and experienced full line supplier of water treatment products, look no further.

Since 1980, Grundfos Pumps Pty Ltd have been providing sustainable and innovative pumping solutions to customers throughout the country, covering a range of different water treatment applications.

When we call ourselves water treatment experts, it is not something we do lightly. The water treatment area is complex and our renowned water treatment technology builds on decades of experience, innovation, scientific trials and testing. Our dedication is the foundation on which we have built the product range we offer today, which includes solutions for the entire water cycle including:

- Raw Water Intake
- Drinking Water Treatment
- Water Distribution
- Wastewater Transport & Flood Control
- Wastewater Treatment

While Grundfos has long been known for their quality

pumps, our reputation for providing complete onsite water treatment solutions is growing. We have the expertise and the production facilities to take ownership of the entire project management process including:

- Engineering & Design
- Project Management
- Installation & Commissioning
- Quality Control
- Warranty
- Service & Spare Parts

- The Grundfos Group is represented by 80 companies in over 55 countries
- Grundfos is one of the world's leading pump manufacturers with an annual production of more than 16 million pump units
- Grundfos invests substantially more money in research and technology development than any other pump company



ENGINEERING & DESIGN

Our in-house Engineering and Design team with extensive application knowledge and hands on site experience, offer full system design, customised where necessary to client specifications.

Our highly qualified team includes Mechanical and Electrical Designers with PLC programming capabilities, who can work with a variety of programs including AutoCAD and Inventor 3D Systems.

In addition to providing fully customised solutions for customers, we have a range of water treatment systems designed and packaged as 'off-the-shelf' standard designs. All our standard designs have been through rigorous design and engineering development and compared to customised systems, our standard designs provide:

- Reduced costs
- Reduced lead times

Design engineering documents for standard designs are also readily available upon request.

PROJECT MANAGEMENT

Grundfos have proven experience in project management with the ability to coordinate and deliver on-time solutions. Our Project Management team can help throughout the entire process including:

- Process requirements
- Engineered conceptual piping and instrumentation designs
- Full system and bund layout design
- Production and testing
- Site installation and commissioning
- Operator training

INSTALLATION & COMMISSIONING

Grundfos can install and commission water treatment pumps and systems for a range of applications to satisfy specific customer needs and requirements. Grundfos can be engaged for commissioning without site installation.

“IF YOU ARE LOOKING FOR SECURITY, FLEXIBILITY AND RELIABILITY FOR YOUR WATER TREATMENT PROJECT LOOK NO FURTHER THAN GRUNDFOS.”



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QUALITY CONTROL

To ensure total quality control, Grundfos have a specialised Water Treatment facility in Ormeau, Queensland which serves as the hub for water treatment engineering and assembly activities for Australia.

All welding, fabrication, mechanical assembly and testing for a range of water treatment solutions are completed by our experienced and skilled production team.

Across both our specialised water treatment facility in Ormeau, Queensland and Head Office in Regency Park, Adelaide we have access to the following facilities:

- **Stainless steel welding**
- **Plastic welding**
- **Electrical control panel manufacturing**
- **Factory Acceptance Testing (FAT)**

With these local facilities we also have the flexibility and control to meet customer deadlines without reliance on third parties.

Prior to delivery, Grundfos conduct stringent testing procedures to ensure consistent high quality products. We can also offer customer witness testing if required.

WARRANTY

All Grundfos products and equipment have 2 year standard warranty, with the option to extend. For DSS Dosing Skids and engineered solutions, warranty also covers all third party supplied products and equipment.

SERVICE & SPARE PARTS

Service support is available through Grundfos, Authorised Service Partners and selected Authorised Dealers throughout Australia and New Zealand. Your Sales Account Manager will be able to recommend a suitable service contract option if required prior to order placement.

We also carry an extensive range of spare parts to ensure any Grundfos system is back into operation in the fastest time possible.

PREVIOUS WATER TREATMENT PROJECTS

GOLD COAST DESALINATION PLANT



Problem: Managing Australia's water crisis is perhaps one of today's most contentious public issues. The need to 'drought-proof' our urban centres, especially those with rapidly-growing populations, is necessitating significant upgrades of water infrastructure. South-East Queensland is one of these urban areas that has enjoyed unprecedented growth, and with the recent drought it was decided that the region needed a non-climate dependent water source.

Solution: Grundfos supplied motor-driven pumps for the dosing of chemicals for water treatment, a vital part of the success of the Gold Coast desalination plant.

Grundfos Products Installed:

- 28 x Chemical dosing skids including; Sodium Hypochlorite, Ferric Sulphate, Sodium Silicate, Sodium Hydroxide, Sulphuric Acid
- 8 x Polydos polymer preparation and batching systems (4 x 412-1000 L/h and 4 x 412-4000 L/h)
- 4 x Polymer dosing skids
- 1 x Portable skid mounted pH correction system
- 1 x Fluorosilicic Acid system

COOMBABAH WASTEWATER TREATMENT PLANT



Problem: As the Gold Coast is one of the fastest growing areas in Australia, the city had to ensure it had the capacity to meet future growth needs and initiated an upgrade to the handling capacity and facilities of the Coombabah Waste Water Treatment Plant (WWTP). The upgrade required for the plant to increase its effluent handling from 75 million litres per day to 90 million litres per day.

Solution: Grundfos designed, manufactured and installed the additional chemical dosing capacity for the plant. Four different Grundfos chemical storage, dosing and transfer systems were utilised; each with its own role to play in the water treatment process.

Grundfos Products Installed:

- 1 x Aluminium Sulphate dosing skid
- 1 x Magnesium Hydroxide system
- 2 x Sodium Hypochlorite systems
- 1 x Ethanol dosing system

SANTOS GLADSTONE LIQUEFIED NATURAL GAS (GLNG) PROJECT



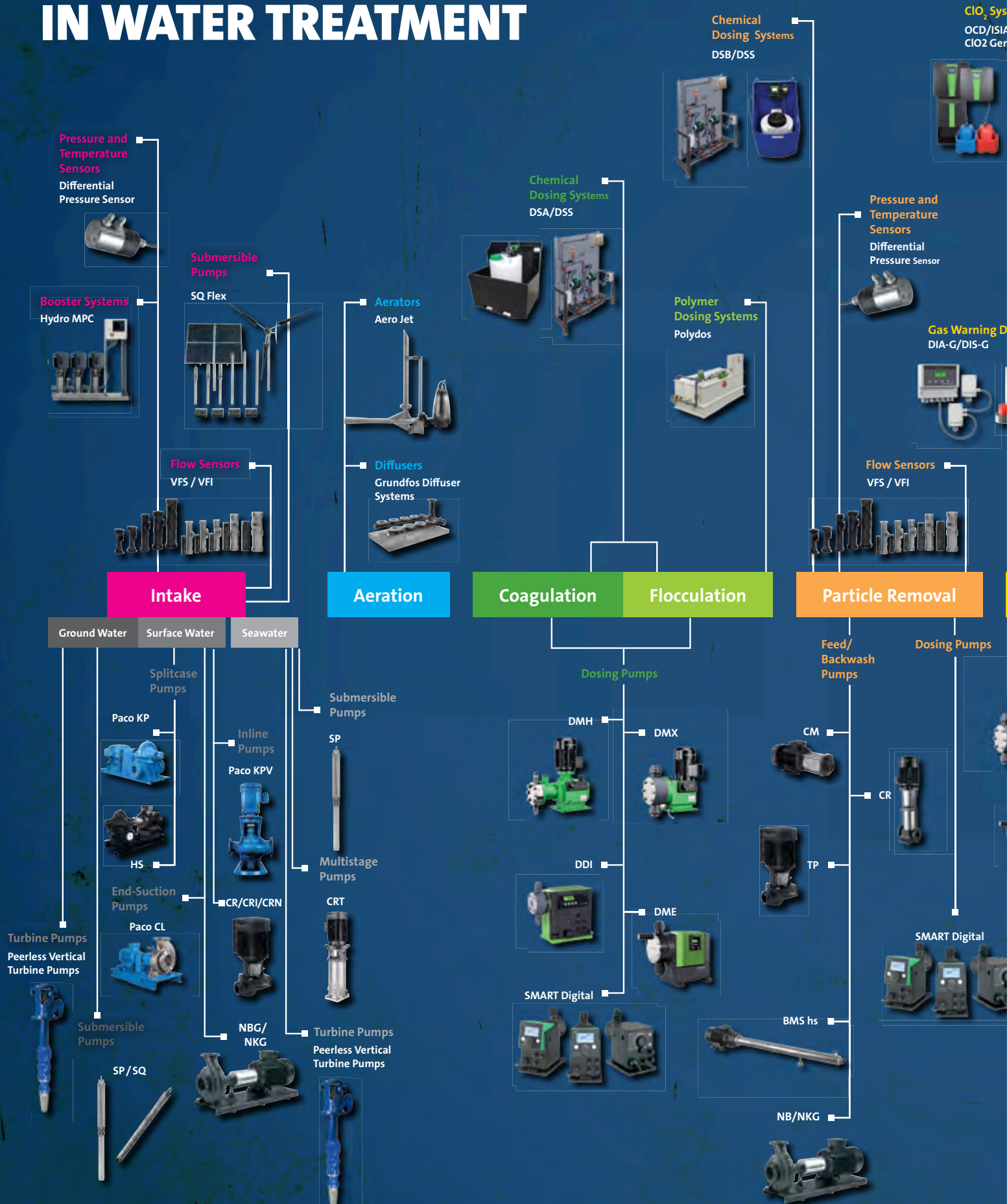
Problem: The Santos GLNG Project is a pioneering venture to convert coal seam gas (CSG) into liquefied natural gas (LNG) for export to global markets. The joint-venture between Santos GLNG, PETRONAS, Total and KOGAS, represents a major investment in a cleaner energy source for the future. The project involves the development of CSG fields in the Bowen and Stuart Basins, construction of a 420 km underground gas transmission pipeline and a two-train LNG processing facility.

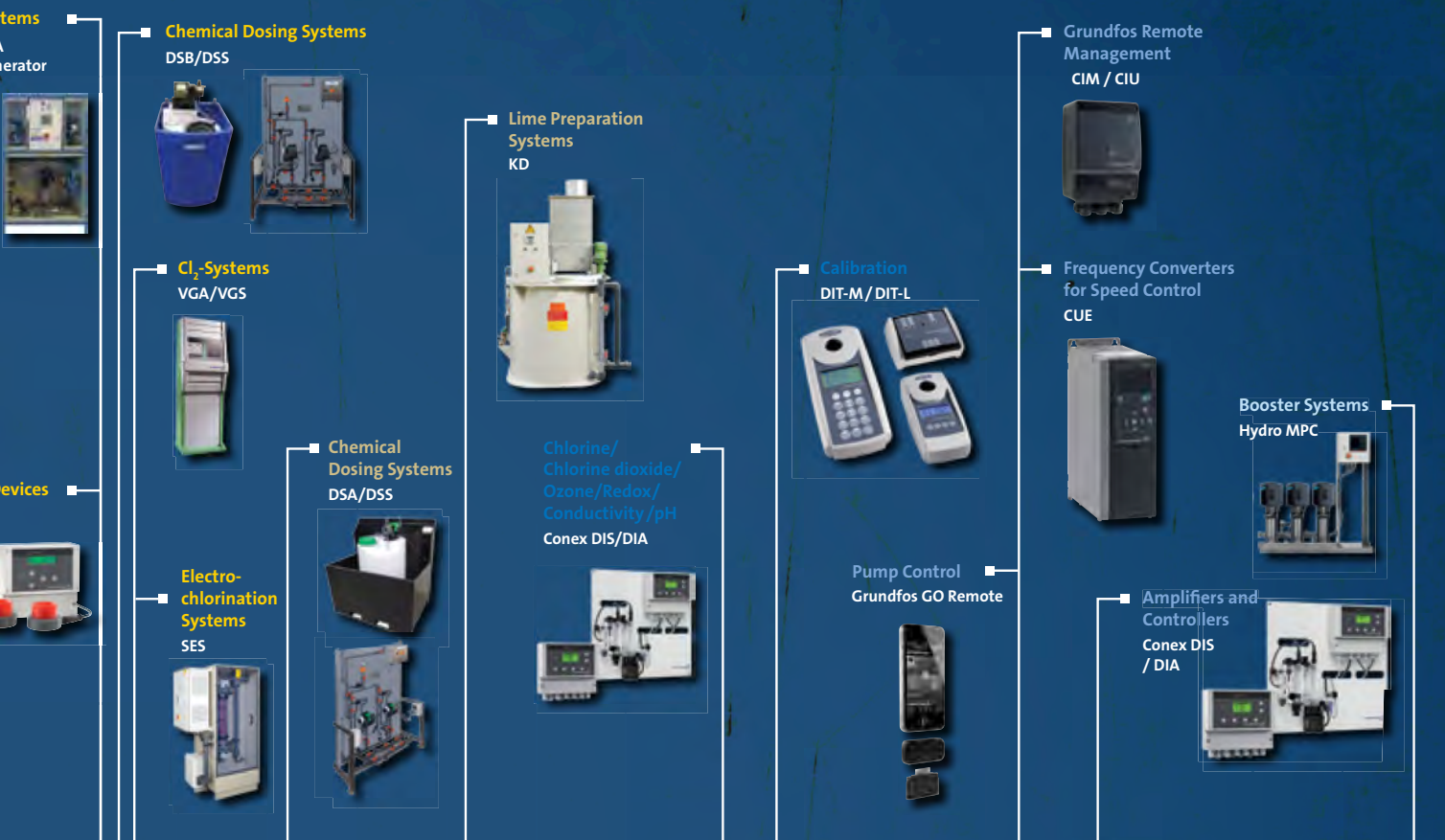
Solution: Grundfos designed and supplied the chemical storage and dosing systems for brine injection facilities in the Roma Sector of the Santos GLNG CSG fields.

Grundfos Products Installed:

- 10 x Chemical storage and dosing containers (10 foot)
- 2 x Chemical storage and site workshop containers (20 foot)

GRUNDFOS PRODUCTS IN WATER TREATMENT





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