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CAPABILITY STATEMENT

About Promech

Specialising in High Quality, Cost Effective and Practical Engineering Solutions. Committed to Exceeding Client Expectations.

OVERVIEW

Promech is a multi-disciplinary Engineering Design and Project Management company. Promech specialises in projects in the Oil & Gas, Petrochemical, Water and Wastewater, Minerals Processing and Alternative Energy Industries.

Promech is focussed on providing a comprehensive, high quality and high value service to our clients and can cater for all stages of projects from project definition and conception through to commissioning and operations.

Promech was formed with a view to delivering an unrivalled level of dedicated service to our clients and our track record to date has proven that we can do so. At Promech we firmly believe that having the attitude where we demonstrate unwavering commitment and take full responsibility for our end product sets us apart from our competitors. This level of commitment and sense of responsibility for the work we produce has been instilled within every member of the Promech team.

OUR POINT OF DIFFERENCE

Promech's ability to understand and appreciate our client's requirements, project time constraints and budgets, no matter how small or large they may be, ensures Promech consistently delivers practical project solutions tailored to suit our client's exact needs.

The size of our highly skilled, specialised and experienced team has not only allowed us to maintain an elevated level of quality output supervised by our in-house RPEQ engineers, but has ensured that we continue to be very flexible in our approach, adapting quickly to the requirements at hand and importantly ensures that a streamlined and highly cost effective solution is provided to all of our clients.

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Services

Mechanical and Piping Design

Promech's founders, both Mechanical Engineers, have built a formidable Mechanical and Piping design capability, upon which the company has been based. In this, Promech's core discipline, we can offer a high value service in the following areas:

- Equipment, Valve & Piping Specifications
- Plant & Piping Layouts
- Equipment Module/Skid Design
- Pipe Stress Analysis & Finite Element Analysis
- Pressure Vessel & Tank Design
- Pipeline Design

Fundamental Engineering Standards utilised include AS4041, ASME B31.3, AS1210, ASME VIII, API650, API653, AS2885 and APGA CoP.

Civil and Structural Design

In order to provide a complete SMP design solution to our clients, Promech has developed a first-rate Civil and Structural design capability. This capability includes:

- Earthworks, Drainage, Roads & Carparks Design
- Structural Support System Design
- Foundation System Design
- Module/Skid Structural Design
- Water Retaining Structures Design
- Construction Surveillance & Certification

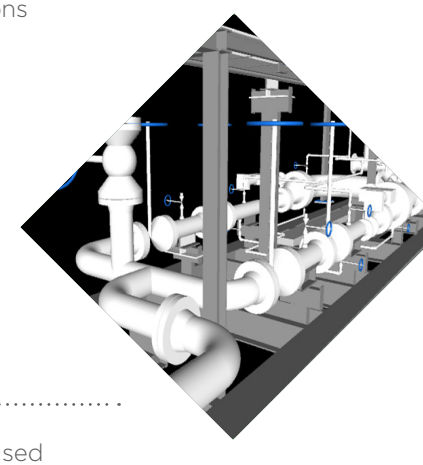
Main Engineering Standards utilised include AS3600, AS3735, AS2159, AS4100, AS1170, AS1418 and AS1657.

Process Design

In order to offer turnkey and fully integrated engineering solutions to our clients Promech has formed a strong Process design capability. This capability includes:

- Block Flow, PFD & P&ID Design
- Process Simulation & Equipment Sizing
- Control Valve & Pressure Relief Valve Sizing
- Hydraulic Analysis
- HAZOP Facilitation

Primary Engineering Standards utilised include API520, API521 and API537.



Design Drafting

In order to allow our engineering designs to be reviewed, optimised and most importantly constructed Promech offers an extensive 2D and 3D design drafting capability. Our design drafters working in unison with our engineers can offer the following services:

- Block Flow, PFD & P&ID Drawings
- Plant/Site Layouts & Plot Plans
- Module/Skid Layouts & Design
- Pipeline Design Drawings
- Civil and Structural Design Drawings
- Piping Isometrics & Detailed Fabrication Drawings

Project Management

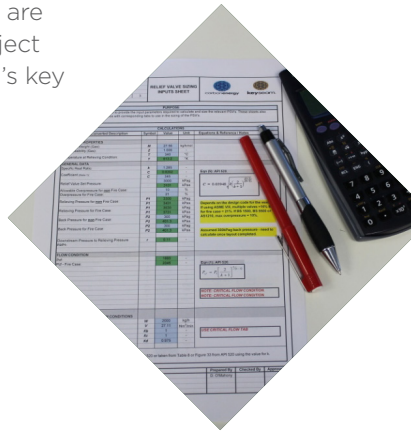
From concept through to completion, Promech is capable of providing a high value project management service to our clients. Promech's team has the ability to manage every aspect of a project including:

- Concept Identification & Development
- Scope Definition, Management & Control
- Cost Estimation
- Schedule & Budget Creation & Management
- Execution Planning & Risk Assessment
- Progress Reporting

Project Engineering

In all projects, Promech strives to ensure that the critical links between Engineering, Project Management and Construction are maintained at the highest possible standard. High quality Project Engineering based on practical experience is one of Promech's key strengths and our capability in this area includes:

- Technical Specifications & Reports
- Contractor Scopes of Work
- Tender Documentation
- Procurement Assistance
- Management & Support of Sub-Contractors
- Client Representation
- Site Based Engineering Support



Construction Assistance and Plant Commissioning

Promech's personnel have a wealth of knowledge and experience in the areas of Construction Assistance and Plant Commissioning where we can offer the following services:

- Construction Technical Support
- Statutory Compliance Assistance
- Quality Assurance & Control
- Factory Acceptance Testing
- Plant Commissioning
- Operations Troubleshooting & Assistance

To complement our core capabilities, Promech has developed long standing and trusted relationships with specialists in the fields of electrical and control engineering.

These relationships ensure Promech is capable of offering an all-inclusive engineering service to our valued clients.

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CONTACT INFORMATION

For further information on our services and how we can assist you with your project requirements please contact us.

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