



OIL, GAS & CHEMICAL PROCESS EQUIPMENT



PRACTICAL[®]
ENGINEERING

Creative thinking. Practical solutions.

We specialise in the design, modification, certification and fabrication of pressure vessels, tanks, separators, wellhead equipment, flaring systems and mechanical plant including oil & gas processing equipment.

Practical Engineering draws on a wealth of mechanical, process and electrical engineering experience to provide safe, reliable and efficient designs at a competitive price.

Our manufacturing division employs

AS3992 and AS1554 code compliant and tested boilermakers and fitters, with extensive industry experience to ensure code compliance through all stages of construction, installation and commissioning.

We are market leaders in assisting clients to achieve compliance with the vast range of International and Australia Codes and Legislation applicable to the process industry, including AS1210, ASMEVIII, American Petroleum Institute (API) and Australian Gas Authority (AGA).

Practical Engineering offers engineering expertise to the Upstream Oil & Gas, Chemical and Petrochemical Process Industries, including design and fabrication of process equipment, facilities and infrastructure.

Major Projects Completed

Who	Product	Project	Location	Complete
Logicamms Pty Ltd	1500L Low Point Drainage Trailer	Arrow Energy General Mobile Equipment	Queensland	2015
Origin Energy	22,000LPH Fluid Heating Skid	Talinga Sulphur Valve Trial	Queensland	2015
Thermal Electric Elements Australia	150NB 1500LB ASTM A106B AS1210 Fuel Gas Pressure Vessels	Jemena EPG Expansion	Western Australia	2015
Thermal Electric Elements Australia	1000NB 150LB ASTM A106B AS1210 Regeneration Heater Pressure Vessel	BOC Bulwer Island	Queensland	2015
Fitzroy Engineering Australia Pty Ltd	Bitumen Blowing Column	Viva Energy Pinkenba Bitumen Proc. Plant	Queensland	2015
Weatherford Drilling International	17 MMCFD Wet Slurry Separator Vessel, Flare Stack and Tank	Rig 826 Charal 1 Wellsite Copper Basin	South Australia	2014
SALCAN Process Technology Ltd	CSG Wellhead Pipe Spools	Gas Appraisal Project	Queensland	2014
SALCAN Process Technology Ltd	200 MSCFD CSG Wellhead Candle Flares	Gas Appraisal Project	Queensland	2014
Thermal Electric Elements Australia	300NB 1500LB ASTM A106B AS1210 Fuel Gas Pressure Vessels	TransAlta Solomon Dampier Bunbury Pipeline	Western Australia	2014
Thermal Electric Elements Australia	600NB 150LB ASTM A106B AS1210 Molsieve Heater Pressure Vessel	BHP Billiton Kalgoorlie Nickel Smelter	Western Australia	2014
Nuplex Industries	Emulsion Plant R101 Polyester/ALKYD Reactor Replacement	Wacol Processing Plant Upgrade	Queensland	2014
Nuplex Industries	16,000L AS1210 T20 Hot Water Tank	Wacol Processing Plant Upgrade	Queensland	2014
SALCAN Process Technology Ltd	Water/Gas CSG Wellhead Skids	Gas Appraisal Project	Queensland	2013
Clough/Toowoomba Pipeline Alliance	PN35 Certified PIG Launcher/Receiver	Toowoomba to Wivenhoe Pipeline	Queensland	2009
Brisbane Water Enviro Alliance	50T Silo/MGO Powder Dosing System	Oxley Creek WWTP Nutrient Removal Upgrade	Queensland	2008
Brisbane Water Enviro Alliance	Struvite Reactor Vessel	Oxley Creek WWTP Nutrient Removal Upgrade	Queensland	2008
BHP Billiton	Hot Acidic/Radioactive Process Stream Testing Skids	BHP Billiton Olympic Dam	South Australia	2007



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