



Pohokura review

In excess of 30,000 manhours with ZERO LTI's

Mechanical Equipment Erection Contract

General:

The project started for Amtec in late 2004 with the installation of the predrilling underground services which continued on into 2005, followed by the drilling program.

Amtec supplied engineering support to the rig operation, with both site and shop work. Modification of wellhead equipment and piping was carried on at times on a 24/7 operation. Also supported on the rig site was **Drilling Fluid Equipment**, our associate company, who was responsible for solids control for the drilling program. Amtec personnel were responsible for the mechanical continuity of the centrifuges, linear motion shakers, conveyors and pumps on the mud tank systems.

In 2005 / 2006 we were successful with the site mechanical erection package, responsible to the site management company, for the **mechanical installation, hydrotesting and alignment** of the process modules, field piping and associated ancillary equipment. QA/ QC management of the joint integrity for the process lines connections i.e. vessels, piping, modules etc, along with the necessary document control. This action was carried out with the support of **Hydraloc**, a specialist hydraulic torqueing and tensioning team, who are part of the Amtec structure. The site team has continued to support the project in the post construction period with commissioning, modifications and chemical cleaning prior to start up.

Experience:

Amtec as a company has 28 years experience in the Oil and Gas, Petrochemical Industries. This knowledge and experience was reflected in the success of the close working relationship between the Amtec site team and the site management company, which resulted in achieving the expected delivery time and plant handover.

To date Amtec has accrued 31572 man hours with no L.T.I.'S. This record is due to the quality and man management skills of the supervisory team and the diligence and skill of the Trades people. Employees work on Individual Employment contracts. This allows the company flexibility to accommodate client's time lines or extended work hours.

In support of the Pohokura Offshore Pipeline Contract, Amtec worked with Perth - based Sea Struct , to design lifting frames for the flexible sub-sea stabilization mattresses. These were a fabricated structure weighing up to 40Tonnes, built to AS1418-1 and AS4991, 3rd party inspection by Moody International.



Pohokura site



About the company

location

Our 2500m2 of office and workshop space is located at 224 Connett Road East NEW PLYMOUTH, adjacent to Highway 45 giving easy access to road, rail, air and port facilities.

personalised service

Innovation, quality and personal service to our clients is the hallmark of this company.

standards

All work is carried out to the clients specifications and instructions to a standard or code of practice relevant to the particular contract, e.g

ASME VIII Boiler code
BS PD 5500
ASME B31.1
ASME B31.3
AS1210
API 650
or to the relevant standard requested by the client.

We also have in our employment welders qualified to:

ASME IX
BS EN 287-1
AS/NZS 3992
and NZS 4711 for Carbon and Stainless Steels
NZS 4703 for Stainless Steel
and the Dairy Industry.

quality management

AMTEC ENGINEERING LTD is an API & Telarc ISO 9001 Registered Supplier



- APIQR Q1-0275 / API Spec Q1
- APIQR TS-0069 / ISO TS 29001:2003
- AP1QR 0542 / ISO9001:2000



In-house CBIP qualified QA personnel

AMTEC ENGINEERING LTD can provide a range of services tailored to meet the clients needs including:

Project Management
Process Design
Engineering
Estimating and cost control
Procurement and supply
Construction Management and supervision
QA to API and ISO 9001 2000
Asset Evaluation
Skid Mounted Equipment
CAD/CNC Profile Cutting/Ferrous/Non Ferrous

Instrument Design and Manufacture
Coded Welding
Machining
Fabrication in Carbon Steel, Stainless and Aluminium
Construction and Operation of Experimental or Pilot Plants
Plant Commissioning
and Operator Training



Pohokura site



Pohokura Development
Mechanical installation, commissioning
and joint integrity



Pipe Casing for Pohokura

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