



# PNEUMATIC CONTROL AND CHEMICAL DOSING SYSTEMS

## INTRODUCTION

Entec specialises in designing, building, installing, commissioning and maintaining electrical, instrumentation, pneumatic and control systems. We particularly focus on hazardous area environments in the processing and manufacturing sectors. Entec has extensive experience in the oil, gas and petrochemical industries.

## SCOPE OF SUPPLY

Entec can offer a full turnkey service for these systems, incorporating the following:

- Design – we collaborate with our clients and their consultants to optimise a system design, aiming to provide the best functionality and reliability, at the lowest manufacture and installation cost.
- Specification and supply – Entec’s purchasing power allows us to procure components at excellent pricing. When required we can incorporate client-supplied components into the scope.
- Manufacture – panel-based and skid-based systems are manufactured in our ISO9001 accredited workshop. Factory Acceptance Testing can occur prior to site delivery.
- Installation and commissioning – Entec’s team of instrument fitters, electricians, instrumentation technicians and inspectors can provide a full installation and commissioning scope, right through to the delivery of the final QA dossier.

## APPLICATIONS

Entec’s pneumatic and dosing systems have been used in many applications, including:

- Wellhead hydraulic control
- Emergency isolation control
- Pneumatic process control
- Process chemical injection
- Bunded systems (self-contained skids)
- Containerised systems



## RECENT PROJECTS

Projects undertaken over the past few years include:

- Emergency shutdown panels; design and manufacture of 132 panels for an ESD upgrade at a large oil and gas production station.
- Chemical dosing bunded skids; design and manufacture of a variety of systems for chemical injection for an oil refinery.
- Pipeline corrosion inhibitor injection system; design and manufacture of a dosing control system for a gas production station.
- Solenoid controlled process panels; design and manufacture of 11 different panels for a water treatment process in a petrochemical plant.
- Wellhead control; design and manufacture of new control systems, and re-design and upgrade of existing control systems, on a variety of oil and gas wellsites.

## CAPACITY, SKILLS AND EXPERIENCE

Entec’s core I&E team covers a number of crafts and skills, including...

- Industrial electricians
- Instrumentation technicians
- Engineering associates (e.g. project engineering, maintenance planning)
- Instrument fitters
- EEHA inspection (Hazardous Area)
- Light engineering and fabrication

This is supported by a layer of highly experienced supervision and management. Entec provides its projects with the best people, supported by the best management and documentation systems.

## CONTACT INFORMATION:

**Auckland**, 57g McLaughlins Road , Manukau City 2104, New Zealand, +64 9 277 2211

**New Plymouth**, 674 Devon Road , New Plymouth 4312 , New Zealand, +64 6 758 3030

[www.entec.co.nz](http://www.entec.co.nz) | [sales@entec.co.nz](mailto:sales@entec.co.nz)  
[www.gasdetectors.co.nz](http://www.gasdetectors.co.nz)

