



TANK FARM & FUEL LOADING

RECENT PROJECTS

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.

TARANAKI TERMINAL UPGRADE

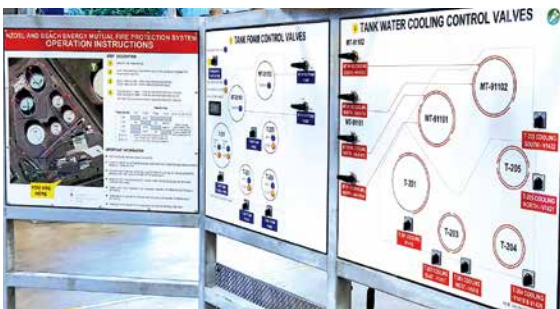
Entec has completed all instrumentation and electrical scope for the re-commissioning of a liquid fuel tank farm in the Taranaki region. The project has been delivered in multiple stages.

Initial project stages

- Install new tank gauging instrumentation & cables
- New process PLC
- Site hazardous area audit & report
- New tanker loadout gantry
- Upgrade of administration building
- New UPS power supply system
- New site lighting
- Additives plant
- Re-cable pumps & instruments for Tank Load in
- New entry security system
- Radio control link between tank farm & port tanker loading facility
- Upgrade of port tanker terminal loading arm

Later stages

- Complete upgrade of Tank Fire Protection System. This scope includes management of civil, structural & mechanical subcontractors. This includes –
 - Construction of new foam deluge control panel
 - Manufacture of field control junction boxes & distribution boards
 - Foam deluge control piping
 - New shelters, pipe racks & pipe trenches
- Installation of a second additives plant
- Upgrade of port tanker terminal alarm system.



PORT TANK FARM UPGRADE

This recently completed project involved the complete upgrade of the two bulk methanol storage tanks, including:

- New tank lighting
- New tank gauging instrumentation
- Earthing upgrade
- Replacement of the majority of cables and field junction boxes

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.

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