

# Plant Turnarounds

DIALOG Fitzroy delivers end to end plant turnaround (shutdown) services that combine disciplined planning, multi trade execution, and real time visibility. With more than 60 years as a multi discipline engineering contractor and a footprint spanning New Zealand and Australia, we provide planning, project management and execution services designed to compress schedules and de-risk critical path activities. Our proprietary tools, including the Dialog Intelligent Planning System (DIPS) for integrated planning and scheduling, Timeclock for real time labour and plant tracking, and our internal Weld Control System (WC)S for materials, weld and NDT control, provide transparent progress, tighter cost controls, and higher confidence from shutdown through restart.



Design and Construction

Fabrication

Maintenance Services

Engineering

Project Management

Construction

Pressure Vessels

Pipe Spooling

Tanks

Heat Exchangers

Structural Steel

Mechanical Services

Tanks and Terminals

Plant Turnarounds

Industrial Coatings

Scaffolding and Access

Rigging and Cranage

Precision Machining

# Plant Turnarounds



## Integrated Turnaround Methodology

1. Front-End Planning & Scope Freeze
2. Resource & Materials Readiness
3. Execution Control
4. QA/QC & Integrity
5. Health & Safety Focused
6. Start-Up & Lessons Learned Analysis

## Scalable Engagement Models

- ▶ Full Turnkey Turnaround Contractor
- ▶ Peak Labour & Specialist Trades
- ▶ Access & Coatings Packages
- ▶ Heat Exchanger & Pressure Equipment Campaigns
- ▶ Mechanical Support Services

End to End Solutions



# Core Shutdown Services

- ▶ **Mechanical Services** – Site mechanical, fabrication, coded welding (carbon, stainless, duplex, hard-facing and alloys), heat exchangers, pressure vessels, planned maintenance, and construction management.
- ▶ **Bolting & Tensioning** – Qualified trades and full flange management for leak-free start-up.
- ▶ **Hydro-Testing & NDT Interface** – Portable test units with chart recorders and gauges to 650+ bar; full stakeholder management including design, statutory and third-party inspection.
- ▶ **In-Situ Machining & Cutting** – Flange facing (0–2000 mm), portable three-axis milling, seal groove machining, nozzle repairs, weld prep, counter-boring, and cold pipe cutting; plus a portable five-axis advanced robotic plasma cutter.
- ▶ **Above-Grade Access** – Scaffolding, rigging, abseiling, fall prevention, propping & shoring, EWP solutions, and early access planning for turnarounds.
- ▶ **Corrosion Protection** – In-situ and shop blasting & coating (including UHPWJ 36,000–40,000 psi, Sponge-Jet technology, metal arc spray, fireproofing, pipe wrapping, tank linings) with specialist solutions for confined space and sensitive environments.

End to End Solutions

## Digital Tool Kit



**Dialog Intelligent Planning System (DIPS):** An integrated planning and scheduling platform for shutdowns/turnarounds, providing a single source of truth across scope, resources, and progress.

## Timeclock

**Timeclock:** Real-time labour and plant time-recording and tracking, enabling transparent productivity, cost control, and on-the-day decision support.



**Weld Control System (WCS):** Materials, weld, and NDT control and reporting system to keep quality and statutory compliance fully traceable.

## Quality & Compliance

- ▶ **Welding:** Extensive qualified procedures (carbon, stainless, duplex, hard-facing and alloys), inspection, and training support.
- ▶ **Pressure and Heat Exchanger Equipment:** Expertise in fabrication and repair of pressure piping, large/complex vessels, processing equipment and skids, including exotic alloys (Inconel, stainless, duplex, chrome-moly).
- ▶ **Documentation:** WCS-driven materials/weld/NDT traceability; integrated with client systems for efficient information transfer and reporting.



## Why Choose DIALOG Fitzroy?

- ▶ Multi-discipline self-performance reduces interfaces and compresses critical path.
- ▶ Digital transparency (DIPS, Timeclock, WCS) for real-time control and assured reporting.
- ▶ Proven safety and delivery track record across Australia and New Zealand
- ▶ Scale on demand via regional hubs and a large, experienced labour pool.

## Past Projects



### Iona Gas Plant

Planned and managed the gas plant shutdown using DIPS for 11,000 site hours delivered on time and on budget



### NAPA Refinery

Completed a 31-day turnaround of 12-hour operations with rostered rest including interventions on 68 pressure vessels, columns and heat exchangers



### Fertiliser Manufacturing Facility

Supplied supervision, work-pack validation and trade labour of the heat exchanger scope for testing & inspection shutdown of approximately 12,000 site hours



### Methanol Plant

Turnaround of the two distillation plants over 41 & 25 days including supervision, fabrication and site works over 58,000 site hours.



▶ [www.dialogfitzroy.com/contact-us/](http://www.dialogfitzroy.com/contact-us/)

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