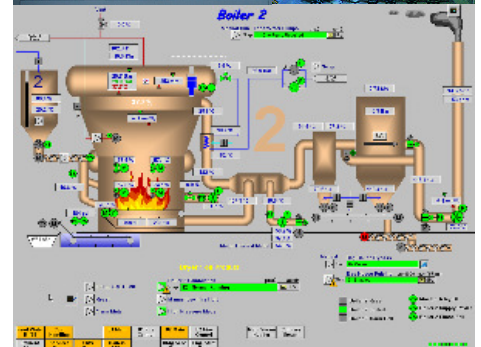
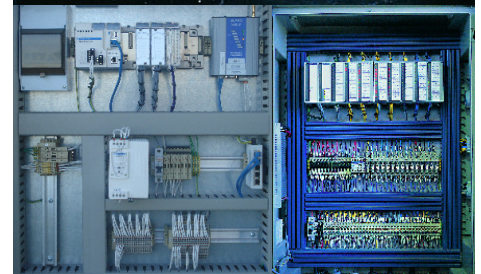




Industrial Electrical and

- Turn-Key Design & Build
- Electrical Design
- Installation
- Maintenance
- Control Panel Design & Build
- Motor Control Systems
- Process Instrumentation
- Data and Communication Networking
- Automation & Control Networks
- PLC & HMI Interfacing
- Real-Time Process Tracking Systems





for Industrial Electrical Excellence...

Industrial Controls specialises in industrial electrical automation systems, providing state of the art solutions for industry. A growing company with a strong commitment to customer service and technical excellence, Industrial Controls was formed over 12 years ago by David McIver and David Stickings and is now one of the regions foremost providers of industrial electrical and automation systems.

With a team of 50 staff we are well placed to provide an effective and quality solution for industry from concept and design through to management, installation, commissioning, monitoring and maintenance.

Within our team we have a number of specialist skills including:

Industrial Electricians

- for all aspects of industrial electrical installations

Instrumentation Technicians

- for instrument installation, calibration & commissioning

Electrical Engineers

- for electrical design and project management

Automation Engineers

- for PLC programming, automation and process control system design
- HMI design (Human Machine Interface on PCs in control rooms)
- OIP design (Operator Interface Panels in plant rooms)

Communications Installation Specialists

- trained and certified for the installation, termination and testing of fiber optic cable systems, along with Ethernet structured cabling solutions, CAN Bus, ASi Bus, Profibus, Devicenet, Modbus Plus and remote I/O communication systems

some of our experience...

Turn-Key Projects

- Site Wide Control Infrastructure
- Dissolved Air Filtration Plant
- Pump Stations
- Waste Water Plants
- Demineralised Water Plant
- Dairy Services

Electrical Design and Installation

- Ultra-Filtration Processing Plant
- Milk Powder Plants
- Refrigeration Plant Rooms
- Grain Feed Milling Plants
- Bio Plastics
- Wool Processing Plant
- Juice Extraction Plants
- Lactose Plant
- Grain Feed Batching Plants
- And many other industrial sites...

Control Panel and Motor Control System Design & Build

- Lactose Processing Plant
- Milk Powder Plants
- Local Council infrastructure
- Juice Extraction Plant
- Sewage Plant
- Food and Beverage material handling

Communications and Data Networking

- Fiber-Optic Site Wide Networks
- Multiple and Single Mode Fiber-Optic Fusion Splicing
- Air Blown Fiber-Optic Installations
- Wireless RF Networks
- UPS Installations, Servicing & Maintenance
- Ring Main Networks with Fail-Over Network Switches
- FTP/STP Shielded Ethernet Installations
- Layer 3 Network (Separate Automation & Admin)
- Satellite Internet Networks

Automation Projects

- Coal Fired Boilers - 10MW to 40MW
- Chillers up to 1200kW
- Waste Water Treatment Plants
- Large Irrigation Schemes
- Wool Processing
- Waste & Potable Pump Stations
- Effluent Treatment Plant
- Rock Crushing Plant
- Concrete Block / Paver Plant
- Meat Works and Rendering Plants
- Clay Brick Curing Rooms
- Dairy Processing

Reports & Data Entry via web pages

- Management Reports
- Compliance Reports
- Auto Email Reports
- Operator Reports
- Operator input screens
- Plant Schedules & Batching Orders

Should you wish to take a more in-depth look at some of these projects, please refer to our website, which has case studies on some of these projects along with client testimonies on their successes.

case studies...

Milk powder processing plants

Industrial Controls was selected for the Electrical and Automation for a new milk powder plant in Canterbury.

The project included many of the leading edge technologies from distributed network industrial I/O through to centralized management reporting.

Electrical Installation

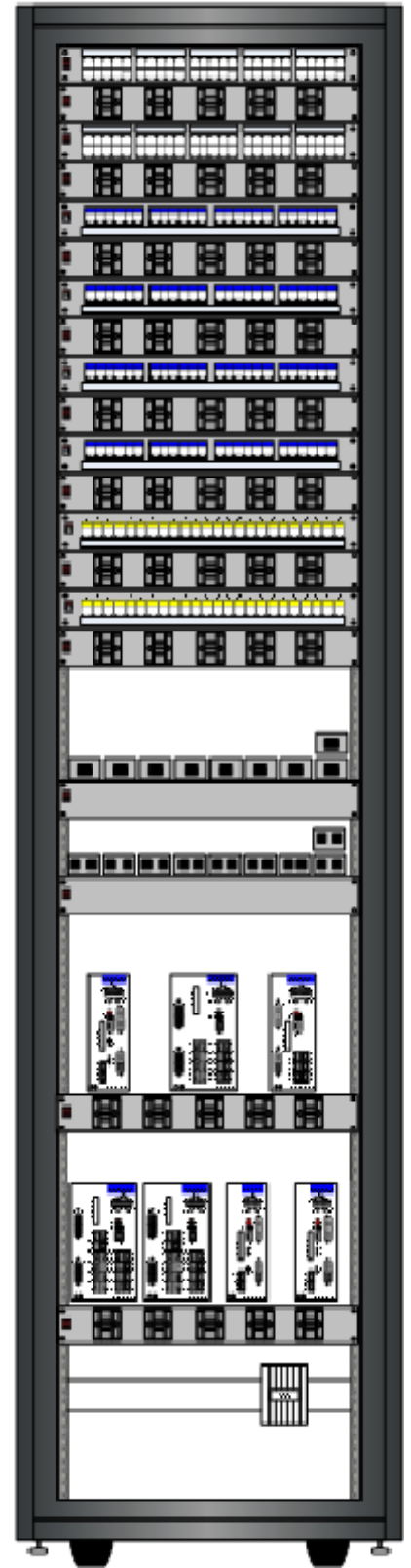
Complete electrical installation including mains power, distribution switchboards, Motor control centers, industrial control cabinets, instrumentation, HVAC, power, lighting and security systems.

Fiber-Optic Networking

Installation of a ring-main air-blown fiber-optic network with automatic fail-over routers containing two physically isolated networks, one for the automation layer and one for the administration layer. All fiber was terminated with the superior fusion splicing system. For added reliability shielded Ethernet connections to the variable speed drives and Ethernet industrial I/O modules were installed. Access to devices from databases to PLCs to I/O units all across the network made for a cost effective, reliable installation, with easy access to diagnostics information.

Automation Engineering

Design and build of the PLC control logic for the major services such as the boiler control and waste water irrigation scheme including associated HMI operator pages all to site standards.



LOCATION [48 Bank Street Timaru](#)

POSTAL [P.O. Box 554 Timaru](#)

TELEPHONE [03-688-5310](#)

[027-243-8479](#)