



CSE - *W.Arthur Fisher*

Capability Statement



OUR ENGINEERING

Our **CSE–W. Arthur Fisher Engineering Team** is based in Auckland yet reaches out to customers from Whangarei (Golden Bay Cement) to Bluff (NZ Aluminium Smelters) and the processing industry, Water/Waste Water & Power Utilities in-between. Whether it is a new design or a system expansion, our customers rely on us to offer them correct solutions to their problems. To achieve their key project outcomes, our highly experienced and specialised engineering team apply world leading technologies and deliver complete engineered project solutions.

CSE–W. Arthur Fisher will engineer complete turn-key solutions around our core technologies and will manage all stages of the project to completion.

Our key skills and capabilities include:



- Design, integration, commissioning and training of:
 - Telemetry, RTU and Radios
 - PLC and SCADA solutions
 - Power system protection
 - IEC61850 schemes
 - Ethernet & Serial Networks
 - SQL Database & Reporting
 - Defence in depth Cyber Security
- Modelling and Optimisation
- Power protection relay selection and application advice
- Ethernet network equipment selection and application advice, including Serial Servers, Ethernet switches, Routers and SDH multiplexers
- LV & MV variable speed drive complete turnkey engineered solutions
- Load sharing design solutions
- Starting and speed control of a slipping motor using Slip Energy Recovery technology and Liquid Resistance starters
- Complete 'packaged' solutions including motor, motor protection, advice on motor starting, harmonic solutions



“We Sell, We Support”

New Zealand companies like to know that when something goes wrong with one of their instruments, protection relays, Ethernet switches, flow valves or control systems, they can phone someone local for help. This is the basis of our Engineering Service activity.



Our aim is to provide comprehensive engineering support to our wide range of products, from calibration of gauges and transmitters, to overhauling and restroking control valves.

Our service engineers are not only factory trained but have hands-on experience with manufacturing and servicing our products.

One of the specialist services that we offer is the manufacture of process seals and special process connections. When you buy an instrument from us, we guarantee it will fit into your process, both electrically and physically. We also manufacture Sanitary and Service control valves which allows us to maintain a first class instrument workshop.

Our range of services include:

- Manufacture of Control Valves
- Manufacture of Process Seals, Sanitary Valves & Servicing
- Manufacture of Temperature and Level probes
- Calibration of most types Measurement Instruments
- Repair and Service of instruments, in-house or on-site.

CSE - W. Arthur Fisher has been operating in New Zealand over 80 years as a supplier and systems integrator of Instrumentation and Control systems. Today, we are leading provider of Sensors, Instruments, Valves, Power protection and Communications systems for mission critical & heavy industries and utility infrastructure clients throughout New Zealand.



Water Utilities

Kingfisher Telemetry, Modicon PLCs, SCADA, Cyber Security, Fuji, Variable Speed Drives, Turck\Banner Sensors and GE Multilin Power monitoring.

Our clients include:

- Christchurch Drainage Board
- Dunedin City Council
- Timaru City Council
- Whangarei District Council
- Onehunga District Council
- Nelson City Council
- Wanganui District Council
- Palmerston North City Council
- Auckland Regional Authority
- Porirua District Council
- North Shore City Council
- Southland District Council



Communications

Kingfisher Telemetry, RuggedCom IP, Radios and engineered solutions.

- Vector Networks
- Top Energy
- NZ Refinery
- Electronet Services
- Transpower
- Radio NZ
- North Power
- WEL Networks
- Orion networks
- NZ Aluminium Smelters



Power & Energy

Kingfisher Telemetry, Modicon PLCs, SCADA, Cyber Security, GE Multilin Protection relays with IEC61850 Station & Process Bus for Generator, Bus, Transformer, Transmission Line, Feeder, Capacitor bank, Substation Controller and Motor management relay.

- Pioneer generation
- Top Energy
- NZ Energy
- Methanex
- Fonterra
- Norske Skog
- Meridian Energy
- Kupe Gas field
- Contact Energy
- Orion Networks
- Transpower
- Mighty River Power
- NZ Steel
- Carter Holt Harvey
- Pan Pacific
- Golden Bay Cement
- Westcoast Power



Oil & Gas

Kingfisher Telemetry, Modicon PLCs, SCADA, Cyber Security, GE Multilin Motor management relays, Omni flow computers, In-Line Volume correctors, Turck\Banner Sensors, Softstarters, Hyundai medium Voltage motors:

- Methanex
- Natural Gas Corporation
- NZ Synthetic fuels
- Vector Gas
- Kupe Gas Field



Mining & Mineral Processing

Kingfisher Telemetry, Modicon PLCs, SCADA, RuggedCom Ethernet IP Routers, Switches and Serial servers, GE Multilin Protection relays and Power Monitoring:

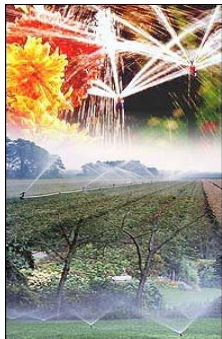
- Waihi Gold
- Oceana Gold
- Huntly Mine
- Solid Energy



Dairy, Timber, Heavy Industry, Pulp & Paper

Kingfisher Telemetry, Modicon PLCs, SCADA, RuggedCom Ethernet IP Routers, Switches and Serial servers, GE Multilin Protection relays, Power Monitoring, Electric Motors, Valves and Instrumentation:

- Fonterra
- NZ Apple & Pear Marketing
- Canterbury Frozen Meats
- Degussa
- Carter Holt Harvey Pulp & Paper
- NZ Smelters
- Golden Bay Cement
- NZ Forest Products
- Alliance Freezing
- Dominion & Lion Breweries
- Balance
- Bluescope Steel
- Norske Skog
- NZ Steel
- Fletcher Wood Panels
- Winstone Pulp



Agriculture & Irrigation

Kingfisher telemetry, PLC Control Systems, Medium Voltage motors, Starters, VSDs, HMI, Valves, Instrumentation and Sensors.

- ◆ Blackpoint Irrigation Scheme



Transportation

Kingfisher Telemetry, SCADA, Cyber Security, RuggedCom Ethernet IP Routers, Switches and Serial servers

- On Track



Renewable Energy

Kingfisher Telemetry, SCADA, Cyber Security, RuggedCom Ethernet IP Routers, Switches and Serial servers, GE Multilin Protection relays with IEC61850 Station & Process Bus.



CSE – W. Arthur Fisher Limited

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SALES

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