



COMPANY PROFILE

Innovative switchboard solutions from one of New Zealand's leading industrial switchboard manufacturers since 1971.



HELLO.

Clive Wilson Switchboards has a reputation for reliable and quality switchboard manufacturing throughout New Zealand and abroad, with over 55 years in the electrical industry.

EXPERIENCED & TRUSTED

We are a leading manufacturer of switchboards, control panels, automation systems and related services. With approximately 25 staff, including registered electricians, apprentices, estimators, automation engineers, CAD operators, and office management personnel. We also have a state-of-the-art, recently refurbished powder coating plant, as well as a laser engraving studio.

Our modern 2300 sq metre facility is located in central Invercargill. We are proud to have been ISO 9001 certified since 1995, and undergo annual audits to maintain our status. Additionally, we are a Schneider Electric Accredited Prisma Partner.

We are the preferred supplier to Fonterra, the Alliance Group, NZAS, Open Country Dairy Limited and Oceania Dairy Limited to name a few.





SIMOTROL

AS/NZS 61439 POWER DISTRIBUTION/MOTOR CONTROL CENTRE

Industrial MSBs and MCCs

Simotrol is CWS' primary industrial main switchboard and motor control centre platform, manufactured in Invercargill. The self-supporting, modular tiered system has supply capacity up to 1.5 MVA.

Design and verification

Simotrol is designed and verified to AS/NZS 61439 for the selected assembly configuration. Verification includes independent laboratory testing. The applicable ratings and supporting evidence are identified for the project.

Construction

Folded 2 mm sheet metal forms separate equipment, busbar and cable compartments. Options include Form 4a separation and Form 3bih group starter tiers. The standard finish is cream ripple polyester powder coating with a white interior; alternative colours can be specified.

Dimensions and expansion

Standard tier heights are 1980 mm and 2200 mm, with custom dimensions available. Standard depths are 450 mm for front access and 750 mm for double-sided arrangements. The bolted construction supports additional tiers, subject to review of the existing assembly, capacity and extension design.

Busbars and cable access

Tin-plated copper horizontal busbars run in a dedicated compartment at the top of each tier. Vertical busbar options are 750 A and 950 A. Removable covers provide busbar access. Each tier has vertical cable space, cable cleats and non-ferrous gland plates, with front-accessible cable terminations.

Functional units

Units use modular height increments of 40 mm. Supported demountable units up to 400 A use insulated plug contacts to the vertical busbars. Fixed units rated 630 A and above use front-accessible bolted connections. ACB units use bolted rear connections. Confirm unit compatibility, connections and ratings for the selected assembly.

BY THE NUMBERS



Technical

SIMOTROL Power Distribution/Motor Control Centre is built to comply with AS/NZS 61439.

Supply capacity
• Up to 1.5 MVA

Rated operational voltage
• Ue 415V

Rated insulation voltage
• Ui 800V
• AS/NZS 61439.1:2016 -10.9.2

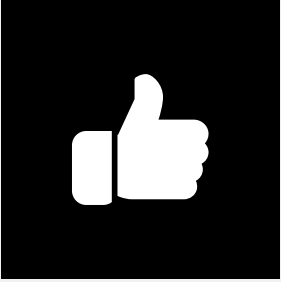
Rated impulse voltage
• Uimp 8kV
• AS/NZS 61439.1:2016 -10.9.3

Short circuit withstand strength
• Icw 50kA for 1 second – Ipk 105kA
• Icw 63kA for 1 second – Ipk 139kA
• AS/NZS 61439.1:2016 -10.11

Degree of protection
• ≤IP54
• AS/NZS 61439.1:2016 -10.3

Mechanical impact strength
• IK10
• AS/NZS 61439.1:2016 -10.2.6

Routine verification
• AS/NZS 61439.1:2016 -11



Compliance

General Rules
• AS/NZS 61439.1:2016

Power Switchgear and Control Gear Assemblies
• AS/NZS 61439.2:2016

Australian/New Zealand Electrical Wiring Rules
• AS/NZS 3000: confirm the project edition

Environmental Test
• IEC 60068-2-30/11

Fire Hazard Test
• AS/NZS 60695.2.11:2001 + A1

Degrees of Protection Provided by Enclosures (IK Code)
• BS EN 62262:2002

Degrees of Protection Provided by Enclosures (IP Code)
• AS60529-2004 (2018)

Ratings depend on the selected assembly. Test references identify the verification basis; installation requirements follow the project.

QUALITY ASSURANCE

OUR MISSION & VISION STATEMENT

At Clive Wilson Switchboards, our aim is to build and supply, with pride, products of the highest quality. We are committed to continually improving our products, services, and systems to ensure total customer satisfaction in everything we do.

We will achieve this through teamwork, trust, and the involvement of everyone across our organisation. The Director pledges to provide the resources and leadership necessary to support our goals.

Our policy is to:

- Meet or exceed all applicable requirements, including customer specifications, regulatory obligations, and contractual commitments.
- Provide a framework for setting and reviewing quality objectives aligned with our strategic direction.
- Maintain and improve the effectiveness of our Quality Management System (QMS) through training, engagement, and regular review.

We are committed to remaining a trusted and reliable leader in our field, delivering consistent quality and value to our customers.



THROUGH THE YEARS

1968 - 1989

Company was initiated by Clive Wilson. In 1971, the Company moved to a purpose-built building. 1983 saw the sudden death of Clive, and his son Alan Wilson & Wayne Affleck purchased the business in 1988. A larger (and current) premises was purchased in Clyde Street in 1989.

1989 - 1992

In 1989 Clive Wilson Electrical Wholesale was added, and Clive Wilson Computers in 1992.

2009 - 2015

In 2009 Alan became the sole Managing Director of the CW Group. In 2013, CW Electrical Wholesale became part of the Telfer Group and was renamed CW Telfer Southland. In 2015, Clive Wilson Computers was closed.

2021

In 2021, CW Telfer Southland was sold to the Telfer Group, before their move to a new building leaving Clive Wilson Switchboards as the sole occupier of our Clyde Street premises.

2023

Major renovations of our premises have begun, with the relocation of our Powder Coating plant, and expansion of our workshop.

2025

Alan's son, Chris, and daughter, Kylie, are formally appointed as Directors, marking a new chapter in the company's leadership and continuing the Wilson family legacy.



MEET OUR TEAM

Alan Wilson

Managing Director of
Clive Wilson Switchboards.
Estimator/Contract Handler
with 45+ years experience in
switchboard manufacturing.

Chris Wilson

Director
Estimator
Contract Handler

Mark Boniface

Estimator
Contract Handler

Luke Payne

Workshop Foreman

Stephen Payne

Production Manager

Quintin Thompson

Leading Hand

Russell Yeo

Automation

Ben Yeo

Automation
Drafting

Kylie Thompson

Director
Financial Controller
Quality Manager ISO9001:2015
Health & Safety Coordinator

Daniel Evans

Lynda Heslin

Drafting

Peter Eccles

Freight & Stores

Karen Wilson

Krystal Birch

Administration

Supported by

11 Workshop Staff
3 Powder Coaters
1 Laser Engraver

GET IN TOUCH

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SERVICES

- Switchboards: Main Switchboards, Power and Load Distribution
- Motor Control Centre: Forms 1, 2, 3 & 4
- Distribution Boards: Mechanical & Electrical Services
- Automation: Process and Control, Building Management
- Generator Controls: Load Shedding, Synchronization, Automatic Mains Failure
- Application Specific: Custom Design and Build
- System Integration: PLC, SCADA, Telemetry, Networking
- Engineering: Design, Estimation, CAD, Arc Flash studies, Selectivity and Discrimination Studies
- Services: Modifications, Commissioning

