

Obertech Group Capability Statement

Our mission is to provide high quality products and services focusing on electrical systems and HV distribution, communications networks, security and access control across a wide range of industries including Power Distributions, Dairy and Meat manufacturing, Petrochemical, Utilities and Renewable Power Generation.

To act responsibly regarding the consequences of our actions in relation to the environment for both present and future generations.

Obertech is a multi-divisional enterprise known as the Obertech Group, with a strong commitment to innovation and customer-centric solutions.

Obertech Groups divisions are Industrial Electrical including HV Protection Systems and Instrumentation, Renewables, Powerworx, Detection Services, Manufacturing, Security, Computing (including Telecommunications) and Technical Computer Networking/Data Communications and Fibre Optics.

Each division operates independently directly complementing each other and resulting in an overall synergy that provides integrated and complete solutions to our valued customers. Obertech is focused on providing high quality products and services.

With 7 technological divisions we permanently employ 70 personnel and engage a number of subcontractors dependant on the project.

Obertech Group is committed to fostering a workplace where diversity is not just valued but inherent in our culture.

This diversity is brought to life through word-of-mouth recruitment and by involving existing employees in the selection process for new hires. This ensures our workforce remains inclusive and reflective of the communities we serve while maintaining strong cultural alignment across teams.

Health and Wellbeing:

- We place significant focus on employee wellbeing, offering resources and initiatives to support mental, physical, and emotional health.

Leadership Development:

- Leadership development programmes ensure our managers are equipped to support and lead diverse teams effectively, fostering collaboration and alignment with company goals.

Achievements:

1998 Westpac Taranaki Chamber of Commerce Business of the Year Award and Certificate of Excellence in Innovation and Manufacturing and in 2003 the Communication and Technology Award

- ISO 9001:2015 Quality Systems Management
- ISO 45001:2018 Health & Safety Management
- ISO 14001 Environmental Management
- Powerco Preferred Contractor
- CPNZ Contractor Prequalification
- ISN Contractor Prequalification (Preferred)
- ECANZ Quality Assurance
- Master Electrician
- NZSA Security Compliance
- SiteWise Gold
- Totika
- Diversity Works New Zealand (the EEO Trust)
- EMA Member
- EEA Member

Our reputation for quality and safety has afforded Obertech the opportunity to lead and implement several major projects.

To effectively perform in each of Obertech Group's business areas, specific capabilities are essential. These capabilities align with established competency frameworks and ensure proficiency and excellence in service delivery.

Electrical

Technical Expertise: Proficiency in designing, implementing, and maintaining high voltage systems, heavy power installations, plant automation, and instrumentation. This includes understanding electrical schematics, control systems, and safety standards.

Problem-Solving Skills: Ability to diagnose and troubleshoot complex electrical issues, ensuring minimal downtime and optimal system performance.

Project Management: Competence in planning, executing, and overseeing projects, including resource allocation, timeline management, and stakeholder communication.

- Project Management and consulting
- Project resourcing with experienced Electrical Technicians, plant and equipment
- Plant operation, Cabling and Switchgear Installation, and maintenance of High Voltage installations
- Protection Systems commissioning and routine maintenance
- Primary HV equipment commissioning and testing
- Design, installation and maintenance of Heavy Power systems
- Plant Automation and Maintenance
- Instrumentation – Supply, Installation, Commissioning and Calibration
- Obertech partners with other key service providers to source equipment and resource project teams with complementary skills and knowledge. Our project managers and technical experts specialise in the complete management and implementation of large-scale Electrical projects.

Renewable Energy Electrical Infrastructure

Renewable Systems Expertise: Proficiency in installing commissioning and testing and maintaining renewable energy systems such as solar PV, wind turbines, and energy storage solutions. Integration of renewable systems with traditional grid infrastructure, including distributed energy systems.

Innovation and Adaptability: Ability to adapt to emerging renewable technologies and implement innovative solutions for sustainability and efficiency.

Environmental Awareness: Commitment to sustainable practices and reducing the environmental impact of energy infrastructure projects. Partnering with New Zealand's leading Utility size construction providers of high-quality, large-scale renewable energy grid-tied installations.

Powerworx

High-Voltage Electrical Utility Works

Technical Expertise: Advanced knowledge of high-voltage transmission and distribution systems, including substation design, switchgear maintenance, and fault analysis. Proficiency in handling live MV line work, grounding techniques, and safety protocols.

Regulatory Compliance: Understanding of national and regional electrical codes, grid standards, and environmental regulations.

Risk Management: Ability to identify hazards, assess risks, and implement mitigation strategies to ensure safe operations.

Team Collaboration: Experience working with utility providers, engineers, and contractors to manage system upgrades, expansions, or emergency repairs.

- Network Infrastructure design
- Powerline construction and maintenance
- Substation and electrical infrastructure
- Cable hauling and cable jointing
- Civil engineering requirements
- Vegetation control around powerlines
- Fault repair
- Specialists in rural power servicing and installation
- Subdivision power installation
- High Voltage Installation
- Street Lighting Design & Reticulation
- Installers of Ultrafast Broadband overhead Fibre Optics
- Directional Drilling – wires and pipes

Utility Detection

Underground Utility Detection

Technical Knowledge: Familiarity with advanced detection tools and techniques for locating and mapping underground utilities, ensuring safety and efficiency in construction and maintenance projects.

Attention to Detail: Precision in identifying and documenting the position of underground utilities to prevent damage during excavation or construction activities.

Safety Awareness: Commitment to adhering to safety protocols and regulations to protect personnel and infrastructure.

- Pipe and Cable locate – Locate metallic underground services includes Power, Telephone Tracer wires etc
- Ground Penetrating Radar – radar underground services include Plastic, clay, concrete pipes and nonconductive fibre optic cables
- GPS – GPS newly installed assets include water mains, power cables as well as above ground assets
- Concrete Imaging – Locate rebar in reinforced concrete structure such as precast walls, concrete foundations etc
- As built / processing plans – Provide as-builts or AutoCAD plans for located services and or photos marked out by overhead drone
- Stand overs – Provide stand overs to contractors that are working near important underground services.
- UAV / Drone – Video recording, Photo capture and surveying

Data Communications

Data and Fibre Optic Networking

Network Design and Implementation: Skills in engineering, designing, and maintaining fibre optic, copper, and wireless network solutions, including long-haul fibre implementations and high-speed networks.

Technical Proficiency: Understanding of network protocols, data transmission methods, and the latest technologies in fibre optics and wireless communications.

Analytical Skills: Ability to assess network performance, identify bottlenecks, and implement solutions to enhance efficiency and reliability.

- Fibre Optic, Copper and Wireless network solutions with complete Engineering, Design, Implementation, and structured maintenance services.
- Being specialist **Optical Fibre** Engineers (both Single and Multimode) adds further strength to the company's presence in the North Island from Long haul Fibre Solutions to Hi-Speed, Hi-Performance networks across all sectors of industry both Onshore and Offshore.
- OGL has technologies built for the specialised demands of Industry, Utilities, Off-shore, Security and Transport.
- Solutions for polyimide coatings and other specialty optical fibre used in tactical, marine, petrochemical, and other extremely harsh environments. The combination of specialty fibres and harsh splicing environments makes fibre splicing a challenge. OGL has the fusion splicers, preparation tools, and expertise to make your installation operate the way it should.
- Copper -one of the most important facets of an organisation's wired infrastructure is their structured cabling. For a long time now, cabling with a maximum transmission rate of 10G or 40G was sufficient for most business networks. But with the rise of new applications and technology with extremely high throughput demands, 100G switch ports are becoming the norm in the enterprise.
- From the initial consultation to on-site installation, we at OGL will work with your technical teams to design and build cutting-edge wireless networks that fulfils the demands of today and well into the future.
- As Wi-Fi 6 enters the enterprise, IT teams will quickly find that new access points are not enough — they need top-tier cabling, too. At OGL, we will help you install new high-speed copper — or repurpose your existing cabling — to ensure your network can handle the speeds and efficiencies of Wi-Fi 6. Premium cabling can future proof your network and strengthen your business.
- In the era of IoT and connected devices, enterprise networks are working harder than ever before. To meet growing network demands, you need reliable cabling.
- Wireless wide area networks are wireless networks that typically cover large areas, such as between neighbouring towns and cities, or city and suburb. These networks can be used to connect branch offices of business or as a public Internet access system. The wireless connections between access points are usually point to point microwave links using parabolic dishes on the 2.4 GHz and 5.8GHz band, rather than omnidirectional antennas used with smaller networks. A typical system contains base station gateways, access points and wireless bridging relays. Other configurations are mesh systems where each access point acts as a relay also.

- When combined with renewable energy systems such as photovoltaic solar panels or wind systems they can be stand-alone systems.
- Point to Point Microwave has been the connectivity choice for Telco carriers, corporate organisations, and Government authorities for many of years. Point to Point Radio offers high speeds, high availability over large connection distances, it can be relied upon to carry voice and data traffic in a number of bandwidth-intensive applications.

Obertech Security

Security Systems Provisioning

Technical Skills: Knowledge of security products and services tailored to domestic, commercial, and industrial sectors, including installation, configuration, and maintenance.

Risk Assessment: Ability to evaluate client premises, identify potential security vulnerabilities, and recommend appropriate solutions.

Customer Service: Strong communication skills to understand client needs, provide training, and offer ongoing support.

- Installers of quality security products and services.
- Strong reputation for delivering premier security products and services to customers in the Domestic, Commercial and Industrial sectors.
- Installations of surveillance cameras, intruder alarm systems, access control systems, electric security fences and electronic sensors
- 24-hour manned Alarm-Monitoring
- 24-hour technical and equipment support service

Digital IT

Technical Proficiency: Expertise in information technology solutions, including technical computer networking, data communications, and fibre optics, to support diverse client needs.

Problem-Solving Skills: Ability to diagnose and resolve IT and telecommunications issues promptly, ensuring minimal disruption to client operations.

Adaptability: Willingness to stay updated with emerging technologies and integrate them into service offerings to maintain a competitive edge.

- Our technicians have a wealth of knowledge and expertise to assist you with making the right technology investment for industries and businesses.
- We go beyond delivering technology infrastructures for our customers. Our customer-focused team delivers end-to-end solutions and ongoing technical support so you can get on with the business of running your business, assured that your technology is working well for you. We integrate our solutions with your existing technologies as well as complimenting other Obertech divisions.

Obertech Manufacturing

Plastic Injection Moulding Manufacturing

Manufacturing Expertise: Proficiency in operating and maintaining plastic injection moulding equipment, producing flexible conduit and fittings under the Cobra brand, and offering custom moulding services.

Quality Control: Ability to monitor production processes, conduct inspections, and ensure products meet industry standards and client specifications.

Process Optimisation: Skills in analysing manufacturing workflows and implementing improvements to enhance efficiency and reduce waste.

- Supplying the Electrical Wholesalers in New Zealand and the company's own requirements. We manufacture our Cobra brand range and Flexible conduit (Supaflex) and fittings, although some custom moulding is carried out. Other products include the ingenious:
- EASIFIX Flush Box a particularly popular product used by Electrical and Data Installers.
- Obertron Cupboard and Pantry Door switches.
- Earthing Tags and specialist Cable Ties are also popular industry products.