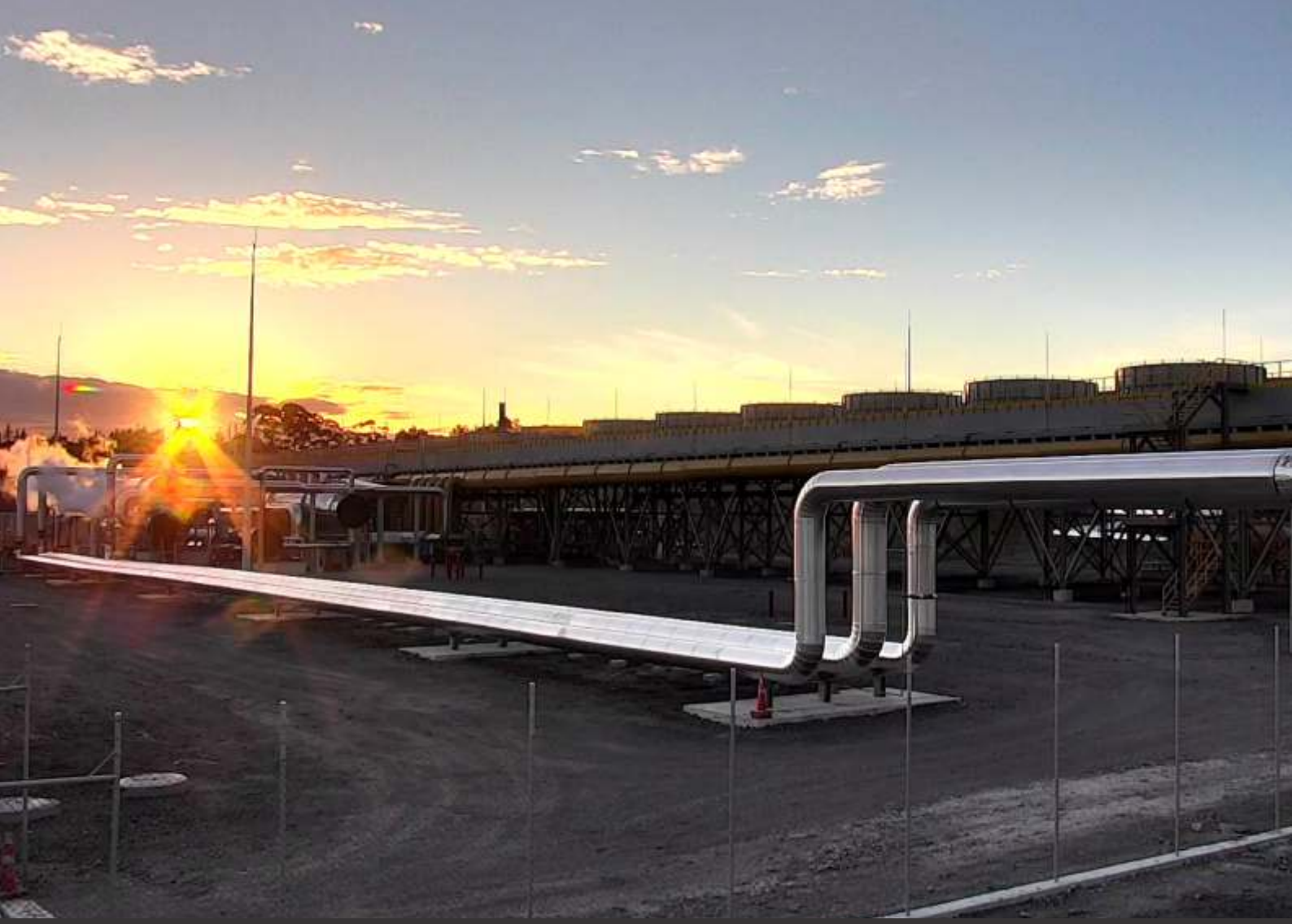
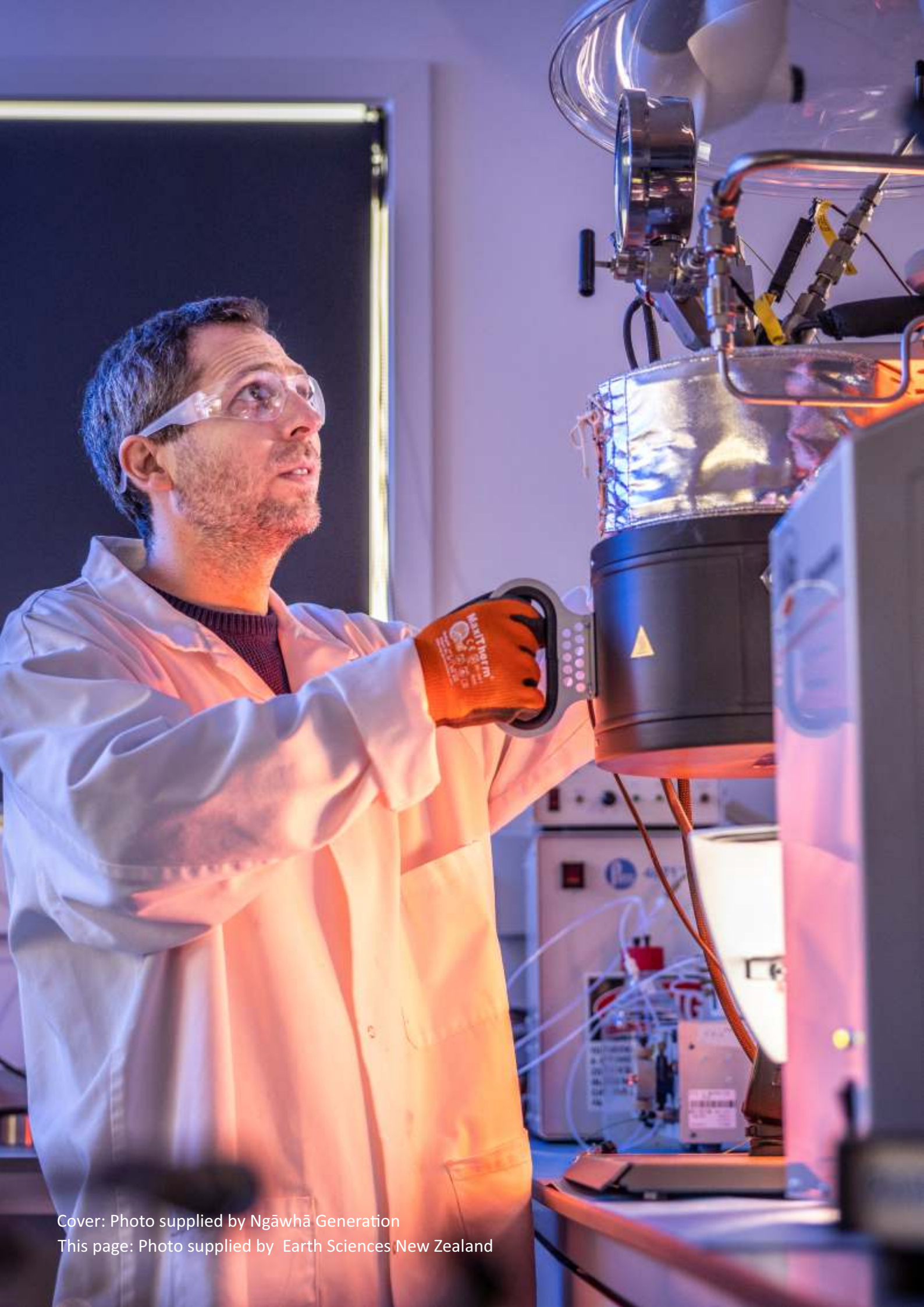


AOTEAROA NEW ZEALAND GEOTHERMAL COMPANIES DIRECTORY

2025 EDITION

nzga
New Zealand
Geothermal Association

NEW ZEALAND



Cover: Photo supplied by Ngāwhā Generation
This page: Photo supplied by Earth Sciences New Zealand

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FOREWORD

New Zealand Trade and Enterprise Chief Executive

New Zealand Trade and Enterprise / Te Taurapa Tūhono is proud to support the publication of the 2025 Aotearoa New Zealand Geothermal Companies Directory. This directory is a testament to the exceptional expertise, innovation, and collaborative spirit that define New Zealand's geothermal sector - a sector with a storied history and an exciting future.

Geothermal energy has been a cornerstone of New Zealand's energy landscape for decades. Today, it stands as our second most significant source of renewable electricity generation after hydro, providing clean, cost-effective, and reliable supply. It also represents a crucial part of our renewable energy journey, one that embodies sustainability, cultural heritage, and global impact.

The New Zealand geothermal story is deeply rooted in cultural significance. Māori, as kaitiaki (guardians) of our natural resources, play a leading role in the stewardship and development of geothermal energy. This approach ensures the sustainable and respectful management of geothermal resources, guided by principles of kaitiakitanga - guardianship, protection, and preservation. These values resonate not only within New Zealand but also in the international partnerships we foster.

For more than 70 years, New Zealand has been a pioneer in geothermal innovation. The Wairākei geothermal power plant based in Taupō, central North Island was the first in the world to generate electricity using a liquid-dominated geothermal resource since 1958. Today, our expertise spans from engineering and project management to research, exploration, and operations. This legacy has seen New Zealand's geothermal professionals contribute to projects in Africa, Asia, South America, and beyond, while building world leading capabilities in various disciplines through universities and Crown Research Institutes.

At New Zealand Trade and Enterprise, we are committed to connecting New Zealand's world-class geothermal capabilities with global opportunities. Whether facilitating partnerships, helping businesses enter new markets, or attracting international investment to our shores, we support the growth of our geothermal industry and showcase its immense potential.

This directory highlights the strength and diversity of New Zealand's geothermal companies, demonstrating why our country is regarded as a global leader in this field. It serves as a resource for international stakeholders looking to engage with our expertise and a symbol of the collaboration and innovation that drive this industry forward.

As the world seeks cleaner, more sustainable energy solutions, New Zealand's geothermal community is uniquely positioned to contribute. By working together, we can meet the growing global demand for renewable energy and also strengthen the role of geothermal energy in delivering a sustainable economy .

On behalf of New Zealand Trade and Enterprise, I invite you to explore the insights and opportunities presented in this directory. Together, let's continue to build strong partnerships and implement innovative geothermal solutions that drive sustainable growth, create economic opportunities, and showcase New Zealand's leadership in renewable energy on the global stage.

NEW ZEALAND
TRADE & ENTERPRISE
Te Taurapa Tūhono

Peter Chrisp
Chief Executive Officer
New Zealand Trade and Enterprise / Te Taurapa Tūhono

FOREWORD

New Zealand Geothermal Association Chief Executive

Since its inception in 1992, the New Zealand Geothermal Association has served as the peak body representing the collective interests of Aotearoa New Zealand's geothermal community. Our members span the full breadth of the sector, from researchers and developers to operators, consultants, iwi partners and equipment suppliers.

Our vision, "*Fostering a sustainable future for Aotearoa New Zealand through geothermal*", reflects our commitment to both present and future generations. Guided by a commitment to kaitiakitanga and grounded in both mātauranga Māori (indigenous knowledge) and scientific expertise, our members continue to lead the way in sustainable geothermal development. This vision not only reflects our national priorities around renewable energy, decarbonisation and sustainable growth, but also reinforces our role as a trusted international partner in geothermal innovation.

New Zealand's geothermal capability is world-renowned. For decades, our engineers, scientists and companies have contributed to projects across Asia, the Pacific, Latin America and beyond. This legacy of international collaboration has cemented our reputation for technical excellence, creative problem solving and a values-based approach to resource management. It is a legacy we are proud to uphold and grow.

The New Zealand Geothermal Association's partnership with New Zealand Trade & Enterprise | Te Taurapa Tūhono to publish this Directory of New Zealand Geothermal Companies is a significant step in celebrating and showcasing the depth and diversity of our geothermal sector. This resource profiles the expertise, services and global experience of our companies, highlighting the ways in which they continue to provide renewable energy solutions, both domestically and internationally.

We hope this directory serves as a useful tool for those seeking to partner with New Zealand companies, invest in geothermal projects or simply learn more about the unique capabilities we offer.

On behalf of the New Zealand Geothermal Association, I extend our sincere appreciation to New Zealand Trade & Enterprise and to all the companies featured in this publication. Your contributions, both here in Aotearoa and overseas, are helping to shape a cleaner energy future.

nzga
New Zealand
Geothermal Association

Kennie Tsui
Chief Executive
New Zealand Geothermal Association

THE HISTORY OF MĀORI AND GEOTHERMAL RESOURCES IN AOTEAROA

The deep and enduring connection between Māori and geothermal resources is a cornerstone of New Zealand's geothermal heritage. Māori have a rich cultural heritage shaped by a profound respect for the natural world. Their worldview, known as Te Ao Māori, emphasises the interconnectedness of people, land and spirituality. This worldview underpins Māori customs, values and traditions, particularly regarding their role as kaitiaki (guardians) of geothermal resources.

Geothermal resources, considered a taonga (treasure), have long played a central role in the Māori way of life. Oral histories passed down through generations emphasise their importance in both traditional and contemporary settings. Māori utilised geothermal features such as hot pools (ngāwhā), steam vents and heated ground for essential daily activities, including cooking, bathing and natural heating. Certain geothermal areas were revered as sacred spaces (wāhi tapu) for rituals and spiritual practices, and renowned for their healing properties, particularly in the treatment of skin conditions and rheumatism. These resources also shaped settlement patterns, with communities establishing themselves near accessible geothermal features.

A significant Māori legend explains the origin of geothermal activity through the story of Ngātoroirangi, an explorer and high priest of the Te Arawa canoe. As he climbed Mount Tongariro to explore the new land, Ngātoroirangi was overwhelmed by freezing conditions and called upon his sisters, Kuiwai and Haungaroa, for help. They sent the atua (spiritual beings) Te Pupu and Te Hoata, who carried fire beneath the earth's surface to warm him. This volcanic activity created the geothermal features that remain across the landscape today, considered gifts from Ngātoroirangi and a reminder of the intrinsic connection between Māori and geothermal resources.

The arrival of European settlers in the late 18th and early 19th centuries marked a period of significant upheaval for Māori communities. The Treaty of Waitangi was signed in 1840 to establish a partnership between Māori and the British Crown, but breaches of the Treaty led to extensive land loss and social disruption. The development of large-scale geothermal and hydroelectric projects in the 20th century further strained Māori connections to their ancestral lands, with many sacred geothermal features destroyed or permanently altered, and profoundly affecting traditional ways of life.
In the face of these challenges, Māori have maintained their role as kaitiaki of geothermal resources, emphasising sustainable guardianship through the principle of kaitiakitanga. In recent decades, Māori-led entities, including Treaty Settlement Trusts and private Māori landowners have reclaimed geothermal resources and assets and taken a more active and direct role in their management and development. Māori-led initiatives, such as Ngāti Tuwharetoa Ki Kawerau Trust’s management and allocation of the Kawerau resource to multi-tappers, Tūaropaki Trust's various geothermal ventures at Mōkai and Tauhara North No.2 Trust's geothermal power projects, exemplify this resurgence. These projects provide economic, environmental, and cultural benefits to Māori communities and contribute to Aotearoa New Zealand's leadership in sustainable geothermal energy.

This legacy of resilience and innovation ensures that Māori values continue to shape the geothermal sector in Aotearoa New Zealand. As guardians of this vital resource, Māori are inspiring a future where geothermal energy remains a sustainable taonga for all generations.

NEW ZEALAND GEOTHERMAL COMPANIES DIRECTORY CATEGORIES

Purpose: this Directory aims to

- Record and feature New Zealand companies with capabilities in geothermal.
- Showcase the breadth of knowledge and services available in New Zealand's geothermal industry.
- Serve as a resource for domestic and international stakeholders, including investors, developers, and governments.

Below shows the categories within our geothermal industry. They outline the interconnected roles, processes, and stakeholders involved in harnessing geothermal energy from resource discovery to end use. From community and indigenous group, landowners to regulators, service providers, and end-users—collaborate to develop sustainable geothermal projects.

COMMUNITY AND INDIGENOUS CULTURAL GROUPS

LANDOWNERS

RESEARCH, DEVELOPMENT, AND CAPABILITY BUILDING

TECHNOLOGY PROVIDERS AND INNOVATORS

FUNDING AND INVESTMENT

REGULATORY BODIES

POLICY MAKERS AND GOVERNMENT AGENCIES

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

PROFESSIONAL SERVICES

EQUIPMENT SUPPLIERS

CONSTRUCTION AND INFRASTRUCTURE DEVELOPERS

MAINTENANCE AND OPERATIONS PROVIDERS

UTILITIES

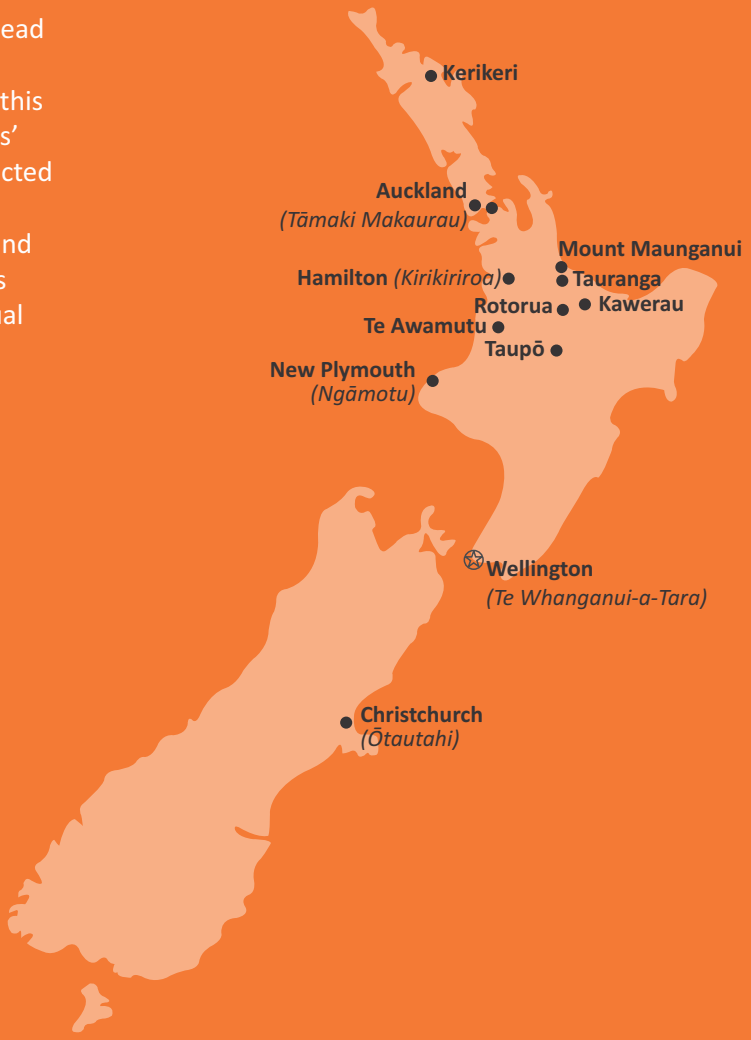
END-USE RESOURCE CUSTOMERS

See Glossary section for full details

Gold NZGA Member Silver NZGA Member Bronze NZGA Member

LOCATIONS OF NEW ZEALAND GEOTHERMAL COMPANIES

This map indicates the head office location of the companies listed within this directory. The companies' operations are not restricted to these locations, with many offering national and international services, as detailed in their individual listings.



Auckland

AECOM
Buddle Findlay
GeoExchange NZ
Geothermal Institute
Jacobs
JRG Energy Consultants Ltd
Mitchell Daysh
MTL
NIKKISO Clean Energy & Industrial Gases
Niko
Powerflo Solutions NZ Pty Ltd
Pump & Machinery
Solenis
Superior Performance Design (SPD)
Yokogawa

Christchurch

Seequent

Hamilton

Nalco Water, An Ecolab Company
ProGen

Kawerau

Eastland Generation
Hutec Engineering Ltd
Ngāti Tūwharetoa Geothermal Assets

Kerikeri

Ngāwhā Generation Limited (NGL) – a subsidiary of Top Energy Limited

Mount Maunganui

Utrex

New Plymouth

Core Group Ltd
DIALOG Fitzroy
Equinox Automation Ltd
Five-D
Halliburton
JGP Ltd
LFF New Zealand
Safety Solutions Ltd
Utrex
Verbrec
Wells
Worley

Rotorua

CMW Geosciences
Mercury
Summit Hydraulic Solutions Limited
Tauhara North No.2 Trust
Upflow
Whakarewarewa
Wildland Consultants Ltd

Tauranga

McLeod Cranes & Hiabs
MPF Engineering

Te Awamutu

Barham United Welldrillers

Taupō

Amplify
Brunswick Drilling Consultants Ltd
Contact Energy
Earth Sciences Institute
Energy Surveys 2022 Limited
Geo40
LT Engineering
MB Century
Traverse Environmental
Tūaropaki Trust
Western Energy
Wilson Geothermal Consulting Ltd

Wellington

CaSil Technologies Ltd
OMV

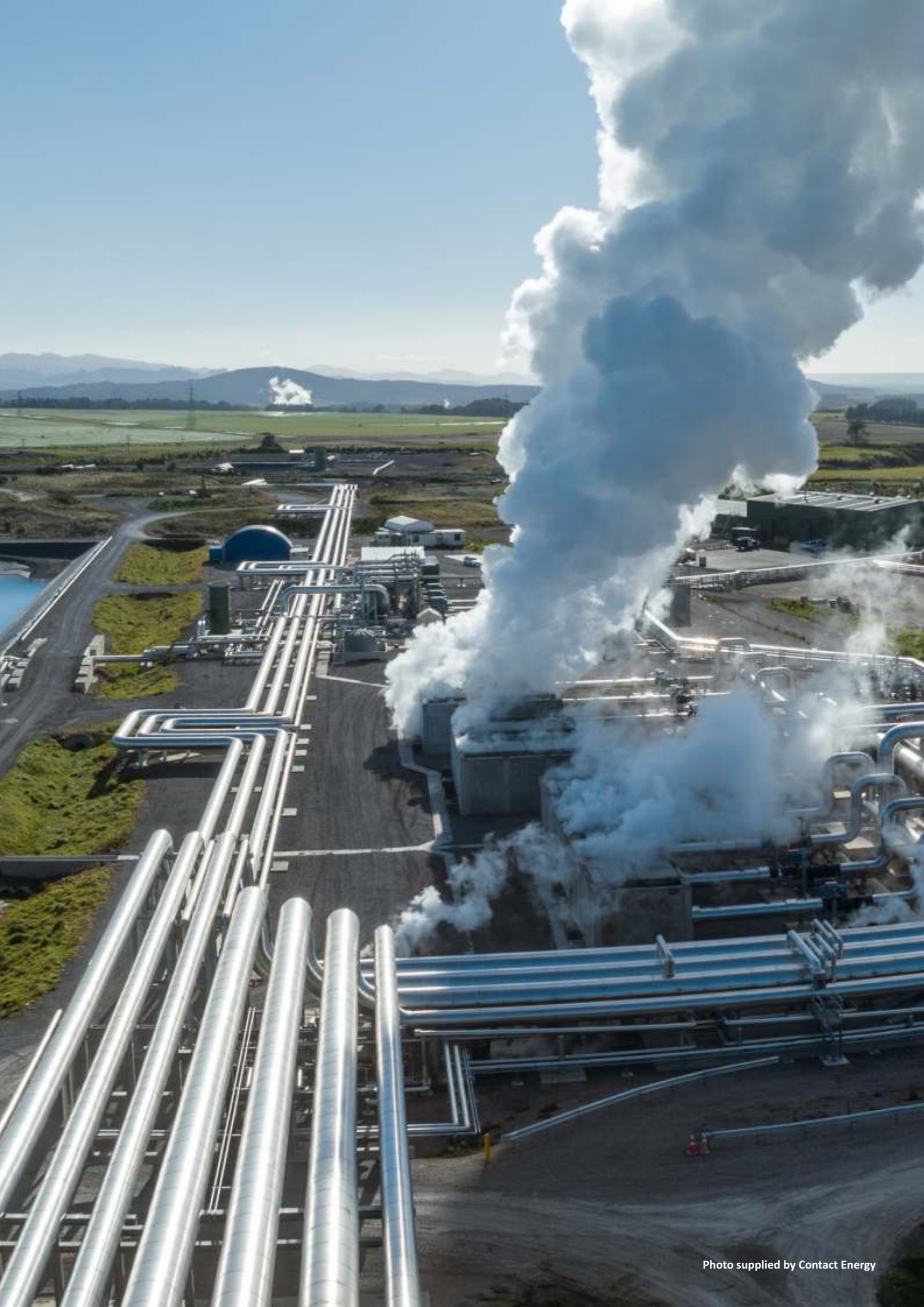


Photo supplied by Contact Energy

AECOM

AECOM is the world's trusted infrastructure consulting firm, partnering with clients to solve the world's most complex challenges and build legacies for generations to come. We're committed to managing our business with the upmost responsibility and to always strive for better - be that reducing emissions, creating social value or diversifying our senior leadership and workforce. We understand both the urgency of the challenges facing our society and our responsibility to act in an impactful and enduring way. We're leading the change towards a more sustainable and equitable future, partnering with those who want to make a positive difference in the world.

Vision: A world where infrastructure creates opportunity for everyone – uplifting communities, improving access and sustaining our planet.

Expertise: Our Geothermal Centre of Excellence in New Zealand is seamlessly integrated with our global team of energy professionals. We deliver innovative engineering solutions for geothermal power development, operation, and management, helping clients worldwide bring their projects to life.

Our expertise goes beyond engineering - we provide solutions that reduce energy consumption, cut carbon emissions, advance renewable energy, and enhance grid reliability. With a deep understanding of geothermal technology, ecology, and thermal power generation, we develop cost-effective strategies to address complex energy challenges.

While traditional engineering services are a core part of what we do, we also act as a trusted advisor to private developers, government utilities, and financial institutions, guiding the planning and implementation of geothermal generation assets. Additionally, we specialise in rehabilitating and modernising existing geothermal developments to improve performance, enhance safety, and reduce maintenance costs - delivering tailored solutions for businesses of all sizes.

PROFESSIONAL SERVICES

AECOM

askenergy@aecom.com
aecom.com/nz/

AMPLIFY

Amplify is the economic development agency for the Taupō District, and we exist to grow the local economy. By leveraging Taupō's natural advantages and working closely with businesses and stakeholders, we champion sustainable growth throughout the district. As an independent charitable trust, Amplify operates with a strong focus on innovation and entrepreneurship, business growth and support, sector development, and capability building. Our mission is to provide businesses with the tools, resources, and support they need to thrive. By combining deep regional knowledge with professional expertise, we empower businesses at every stage, from start-ups preparing to launch to established companies seeking new opportunities or support. We are passionate about fostering success across the district, ensuring every business has access to the skills and networks required to flourish. Amplify plays a key role in connecting businesses, hosting events, and building collaborative relationships. By creating a strong support network within Taupō, we help businesses unlock their potential and contribute to a vibrant, prosperous community.

Vision: Our vision is that Taupō is a vibrant and prosperous district, where both talent and business thrive.

Expertise: Amplify plays a pivotal role in supporting and promoting Taupō's geothermal industry, leveraging the district's abundant geothermal resources to drive innovation, sustainability, and economic growth. As New Zealand's renewable energy hub, Taupō is home to one of the world's most significant geothermal resource bases, and Amplify works closely with local businesses, iwi, and industry leaders to maximise its potential. Our expertise lies in fostering partnerships, advocating for investment, and supporting businesses to harness geothermal energy for diverse applications - from power generation and industrial processes to emerging technologies like food grade CO_2 and hydrogen production. Amplify actively collaborates with stakeholders to attract geothermal-focused projects, ensure sustainable resource use, and build a skilled workforce to meet the industry's future needs. With deep connections across the geothermal ecosystem, Amplify is committed to enabling innovation and ensuring Taupō's geothermal industry remains at the forefront of New Zealand's renewable energy journey.

PROFESSIONAL SERVICES

Amplify

admin@taupo.biz
taupo.biz

BARHAM UNITED WELLDRILLERS

With a legacy that spans back to 1936, Barham United Welldrillers are your reliable and customer-focused welldrilling company based in Waikato, New Zealand. Our commitment to excellence, extensive local knowledge, and a comprehensive range of services make us the go-to choice for all your water and geothermal needs. Our experienced team of drillers offer professional water well drilling, geothermal and environmental drilling services. We provide water bores to a wide sector with our services including (but not limited to) testing water supply, repairs and maintenance of existing water bores and pumping equipment. Our geothermal services include production and reinjection wells, bore workovers and servicing. With a wide range of clients, we happily service lifestyle blocks, rural farming and irrigation of pasture and crops, commercial industry, and township and community bore needs. Our large database of completed drilling work can assist with drilling requirements in your area.

Vision: Harnessing the Earth's energy with expert drilling for a greener tomorrow.

Expertise: Barham United Welldrillers has a strong track record in drilling and installing geothermal systems for both commercial and domestic applications.

Capabilities include:

- Geothermal bore drilling: Providing high-quality drilling for geothermal heating and energy solutions.
- Down-the-hole camera inspections: Conducting inspections up to 500m deep and in temperatures up to 90°C, crucial for assessing low temp. geothermal well conditions.
- Plug and abandonment: Safely decommissioning wells when needed, following industry best practices.
- Manufacturing geothermal well heads: Essential for geothermal well completion and ensuring efficient fluid flow.

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

MAINTENANCE AND OPERATIONS PROVIDERS

enquiries@buwelldrillers.co.nz
buwelldrillers.co.nz

BRUNSWICK DRILLING CONSULTANTS LTD

Brunswick Drilling Consultants offers a comprehensive package for geothermal drilling projects, from drilling supervision, engineering, well design and planning, project management, and contract reviews.

Our drilling supervision, engineering and project management services ensure that third party contractors have the appropriate equipment and expertise on site when needed. Using our expertise, we are able to work with clients to review contractor contracts. The company implements onsite invoice reviewing protocols, which can capture expensive invoice errors.

We ensure that there is an overlap of supervisory cover to enable continuity of operations. This helps to make the overall operation run smoothly without unnecessary delays. As part of our drilling supervision and engineering input, we have an in-depth knowledge of safety regulations and the code of practice for deep geothermal wells.

Vision: We recognise that geothermal drilling is a large investment for our clients. With our experience and expertise in the industry, our goal is to supervise the drilling of wells that are sustainable and productive.

Expertise: Brunswick Drilling Consultants is an established company in the industry, having over 40 years of practical experience in geothermal drilling, engineering and supervision, both in New Zealand and internationally.

The company has worked in every geothermal field in New Zealand. In addition, the company has extensive international experience having worked on geothermal fields in Indonesia, Iceland, the Philippines, Papua New Guinea, Turkey, and the United Arab Emirates.

Each geothermal field is unique in its geology and reservoir conditions. Having prior working knowledge in them, enables better planning, and execution of the drilling programme.

SUBSURFACE RESOURCE ASSESSMENT & DRILLING

toolpusher188@hotmail.com
bdcgeothermal.com

BTW COMPANY

BTW Company Ltd (BTW) has offices in Ngāmotu – New Plymouth, Kirikiriroa – Hamilton, Taupō, and Whāingaroa – Raglan. Since 1973, BTW has been a leader in providing innovative and sustainable solutions through a multidisciplinary approach. Our team of around 100 professionals includes land and geospatial surveyors, civil and structural engineers, planners, environmental scientists, GIS experts, project managers, and business administrators.

We are committed to delivering safe and responsible services that add value to our clients' assets and land investments. BTW serves property and business owners, Māori organisations, the energy and industrial sectors, multi-national companies, and central and local government.

Vision: Creating a Better Future for BTW's clients, employees, and the communities in which we operate.

Expertise: For over 50 years, BTW has been active in the NZ energy sector, specialising in land access, resource consenting, surveying, wellsite, pipeline, and production station civil engineering design and construction management, as well as environmental compliance and monitoring.

While our primary focus in the NZ geothermal industry to-date has been land and geospatial surveying, BTW has also made significant contributions to NZ Gas Fields for over five decades, mainly in the Taranaki Basin (Maui, Pohokura, McKee, Mangahewa, Kapuni, Kowhai, Turangi, Tariki, Ahuroa, Waihapa, Rimu, Ngaere, Manutahi, Cheal, Copper Moki, Radnor, and Supplejack).

PROFESSIONAL SERVICES

TECHNOLOGY PROVIDERS AND INNOVATORS

BTW COMPANY

info@btw.nz
btw.nz

BUDDLE FINDLAY

Buddle Findlay are the leading New Zealand legal advisers for geothermal developments. We are a full service law firm with offices in Auckland, Wellington and Christchurch. We specialise in all aspects of law relevant to geothermal development including planning and resource management, property law, joint ventures, corporate governance, construction and contracting, project financing and dispute resolution.

Vision: Buddle Findlay is known as New Zealand's collaborative law firm and our vision is to help our clients be part of a more successful Aotearoa.

Expertise: Our team has unparalleled experience in consenting geothermal projects and associated planning frameworks. We have advised Contact Energy on its geothermal consenting for over 20 years including its Geofuture projects. We advise developers, contractors and financiers on all aspects of geothermal projects. We have advised Ormat on all its projects in New Zealand and also advise NZ's major banks on project finance for geothermal projects. Our team also includes specialists in Māori law who assist with forming enduring relationships with mana whenua.

PROFESSIONAL SERVICES

BUDDLE FINDLAY

bfmail@buddlefindlay.com
buddlefindlay.com

CASIL TECHNOLOGIES LTD

TECHNOLOGY PROVIDERS & INNOVATORS

RESEARCH, DEVELOPMENT & CAPABILITY BUILDING

CaSil Technologies Ltd has developed and is commercialising a transformational platform technology (CaSil technology) that eliminates silica scaling from hot geothermal brines. It unlocks the full heat energy recovery, electricity generation and mineral extraction potential of the geothermal brine.

The CaSil technology enables the hot geothermal water to be cooled to unprecedented lower temperatures without silica scaling. More heat energy can be harnessed for direct industry heating applications and more electricity generated from the same water flow, than are currently possible. The build-up of silica scale in pipework and reinjection wells is prevented. Field and plant maintenance costs are reduced. The treated geothermal water is available for the downstream extraction of minerals that are otherwise compromised by silica scaling. The technology can be interfaced into existing operations or greenfield developments, providing additional revenue.

Vision: The CaSil technology is used world-wide to enable more heat energy to be recovered and more electricity generated from existing geothermal assets and unlocks the full energy and mineral extraction potential of geothermal resources, by effectively eliminating silica scaling with an easy to implement technology.

Expertise: CaSil Technologies Ltd's expertise in New Zealand and internationally encompasses: carrying out initial laboratory trials with modelled geothermal brines according to customer specifications and verifying results using actual brine samples; on-site demonstration and further process optimisation work as required that can include pilot plant scale operations; specialised supplementary engineering and process design work, and detailed reporting. These collectively demonstrate the effectiveness of the CaSil technology in eliminating silica scaling and lowering the Silica Saturation Index significantly below 1, which facilitates the cooling of geothermal brine to much lower temperatures than are currently feasible in geothermal resource utilisation and electricity generation.

Follow-on desk studies to develop high level plant designs, costing, and the estimation of additionally available heat energy recovery and electricity generation potential with the CaSil technology, have been successfully completed.

CaSil TECHNOLOGIES

information@casiltech.com
casiltech.com

CMW GEOSCIENCES

PROFESSIONAL SERVICES

CMW Geosciences is a specialist consultancy delivering geotechnical engineering services throughout New Zealand and Australia. With a large team of geotechnical engineers, engineering geologists, geophysicists and hydrogeologists, we primarily operate in the Infrastructure, Energy & Resources and Land & Buildings sectors.

With over 320 staff across New Zealand and Australia, our team has a strong reputation for working collaboratively with clients to deliver value-engineered, practical geotechnical solutions. Across our New Zealand offices, our local teams cover the whole spectrum of engineering levels, from Students and Graduates to mid-level staff, all the way through to Senior Principals.

In September 2022, CMW Geosciences became part of the Kiwa family. Kiwa is a leading global specialist in testing, inspection and certification, training and consultancy, and includes two other companies who complement CMW's specialised geotechnical offering: Construction Sciences and Trilab. We are able to leverage their soil and rock testing services.

Vision: As a trusted geotechnical consultant across a range of sectors and services, our company statement is "Great People, Practical Solutions" and we stand by this through all our work and interactions.

Expertise: As a specialist consultant in the fields of Geotechnical Engineering and Engineering Geology, CMW Geosciences adopts a direct and open approach to solving our clients' geotechnical challenges. We immerse ourselves in our clients' projects and take ownership of geotechnical issues, often uncovering more efficient and optimal solutions for the project's future works and stages.

Our expertise and services can be broken down into several areas, which include site investigation, instrumentation, ground modelling and reporting; geotechnical analysis and design; value engineering and geotechnical peer review; construction phase support; hydrogeology; geophysics; geotechnical expert witness; seismic services; and pavement engineering.

CMW Geosciences
Great People | Practical Solutions

adminnz@cmwgeo.com
cmwgeosciences.com

CONTACT ENERGY

Contact is one of New Zealand's largest energy generators and retailers. We currently have 11 power stations across Aotearoa New Zealand, using geothermal, hydro and thermal energy to generate electricity.

We're committed to leading the decarbonisation of Aotearoa by increasing renewable energy generation and working to make all our operations net zero by 2035.

We're passionate about supporting a secure supply of energy and resilient electricity network so New Zealanders have a sustainable and reliable supply of energy for generations to come.

Vision: To build to a better Aotearoa New Zealand.

Expertise: Contact has a long history of geothermal generation in Aotearoa. Geothermal energy is a reliable source of low carbon electricity that can operate 24/7. It plays a crucial role in New Zealand's transition away from fossil fuels, and it's where Contact has deep operational expertise and a track record for ingenuity.

We celebrate the incredible natural resource and are privileged to live and work amongst such a stunning environment. Within the Taupō area located in the central North Island of New Zealand, Contact owns and operates seven geothermal power stations including the world's second oldest geothermal power station – Wairakei (commissioned in 1958), and one of the world's newest geothermal power stations – Tauhara (commissioned in 2024).

UTILITIES

RESEARCH, DEVELOPMENT, AND CAPABILITY BUILDING

media@contactenergy.co.nz
contact.co.nz

CORE GROUP LTD

Core Group Ltd is a New Zealand based and owned integrated, engineering, project management, and field services company that specialises in providing pipeline integrity and easement management solutions to the energy sector. We have been providing pipeline easement management services and integrity engineering since 2008, and take a full life cycle approach to maintaining and assessing our clients' assets. We value a flexible approach to work scopes to meet our wide array of clients' needs and goals.

Vision: To be the preferred integrity management company that our clients turn to for effective integrity management principles to ensure their pipelines and associated assets perform their required functions at optimum levels of reliability, safety, and efficiency over their whole lifecycle.

Expertise: Providing specific advice for ensuring compliance to the New Zealand Health and Safety (pipeline) Regulations, associated codes and industry practices. This includes Safety Management Study creation and facilitation, auditing, AS2885 compliant pipeline/integrity management documentation and plans, technical studies, calculation and design. Expertise in plant operational processes and systems which we can utilise to support your turnaround and operational projects. Easement management and maintenance provider including surveillance, permitting, cathodic protection, excavations around high pressure pipelines, operational pigging, stakeholder/landowner liaison and safety information distribution. Pipeline GIS system creation and management.

PROFESSIONAL SERVICES

MAINTENANCE & OPERATIONS PROVIDERS

admin@ccoregroup.co.nz
coregroup.co.nz

DIALOG FITZROY

DIALOG Fitzroy delivers integrated design, construction and maintenance solutions to companies across New Zealand and Australia. Building on 65 years of experience, our team of engineering, fabrication, maintenance, procurement and construction specialists work seamlessly with our customers to provide practical, value driven services. Companies and government departments from traditional energy, construction, pharmaceuticals, dairy, infrastructure and geothermal trust DIALOG Fitzroy to design, build and maintain their new and existing facilities.

Vision: Solutions for the Future.

Expertise: DIALOG Fitzroy has a long history of providing services to the New Zealand's geothermal industry. We have designed and built various pressure vessels, heat exchangers and piping solutions across the industry. Our recent project, Tauhara, involved the mechanical supply and installation of critical components for the geothermal power station, including:

- The steam turbine generator unit supplied by Fuji Electric, - the world's biggest single-turbine geothermal power unit after the 140MW Ngā Awa Pūrua geothermal power station in Waikato, New Zealand.
- Installation of induced draft cooling towers and associated infrastructure.
- Fabrication and installation of piping systems for transporting water between the geothermal reservoir and the power station.
- Installation of heat exchangers for transferring heat between water and steam or air, along with various mechanical components such as valves, fittings, and gaskets.

CONSTRUCTION AND INFRASTRUCTURE DEVELOPERS

MAINTENANCE AND OPERATIONS PROVIDERS

DIALOG Fitzroy

contact@dialogfitzroy.com
dialogfitzroy.com

EARTH SCIENCES NEW ZEALAND

Earth Sciences New Zealand is Aotearoa New Zealand's leading geoscience research organisation. We are dedicated to advancing knowledge of the Earth's geology, energy, hazards and risks. Our research and technical services support sustainable resource development, economic growth and keeping communities safe.

Our scientists are globally recognised for their innovative, high-quality geoscientific research and expertise in geothermal energy and material sciences.

As a Public Research Organisation, the Earth Sciences New Zealand plays a pivotal role in shaping policy, industry standards and as well as building national capabilities and collaboration. Our work with government, industry and iwi fosters innovation and meaningful partnerships built on sustainably developing New Zealand's world-class resources.

Vision: To create a cleaner, safer, more prosperous future for Aotearoa New Zealand.

Expertise: Earth Sciences New Zealand has a strong legacy of leading scientific advancements that drive the country's geothermal industry through its former organisation, GNS Science. Our team of 50+ geothermal experts work alongside 450+ multidisciplinary specialists to support the development and management of geothermal resources.

In addition to research we provide direct solutions for the exploration and optimisation of geothermal resources. We deliver geological, geochemical and geophysical assessments, reservoir modelling, drilling and production strategies. We support responsible and sustainable development through seismic investigations, tracer studies and reservoir monitoring.

Our world-class laboratory services and training help sustain a strong foundation for New Zealand's geothermal industry. Our geothermal analytical laboratory delivers precise and timely analyses, and our experimental geochemistry lab replicates reservoir conditions of all geothermal systems, including high pressure and superhot subsurface conditions.

RESEARCH, DEVELOPMENT, AND CAPABILITY BUILDING

PROFESSIONAL SERVICES

Earth Sciences New Zealand

geothermal@gns.cri.nz
earthsciences.nz

EASTLAND GENERATION

Eastland Generation is a developer and operator with a portfolio of 100% renewable electricity generation plants including geothermal, hydro power and solar in the North Island of Aotearoa New Zealand. As an operator of renewable generation with new projects coming online, Eastland Generation plays a major role in New Zealand's renewable energy sector and the national commitment to a carbon neutral future. We're dedicated to sustainably managing our operations and renewable resources while growing our generation base, unlocking value for our partners and shareholders. Together with our project partners, including mana whenua, we champion a holistic approach to development and operations. Eastland Generation is co-owned by Eastland Group and Obayashi Corporation and has a clear-sighted growth strategy where we are always open to discussing possibilities with like-minded potential partners.

Vision: Building towards a sustainable future for Aotearoa.

Expertise: Eastland Generation has a diverse portfolio of renewable energy plants in New Zealand's North Island, with a particular expertise in and focus on the development and operation of geothermal generation. We have four geothermal power plants – Te Ahi O Maui, Geothermal Developments Ltd, TOPP1 and TOPP2. Each of these sites is located on the Kawerau Geothermal Reservoir in the Bay of Plenty, New Zealand. Over the years we have worked with many different organisations and people to develop and maintain renewable energy generation assets, creating unique solutions to enable our partners reach their aspirations. These include iwi, hapū and other landowners, industry specialists, process heat suppliers, councils, national regulatory bodies, investors, and many more.

UTILITIES

CONSTRUCTION AND INFRASTRUCTURE DEVELOPERS

Eastland Generation

info@egen.nz
eastlanddgeneration.nz

ENERGY SURVEYS 2022 LIMITED

Surveyors specialising in deformation monitoring, Energy Surveys provide precise monitoring and measurement surveys to assist clients with informed asset, resource and hazard management.

Energy Surveys has been a preferred supplier of precise deformation and monitoring surveys to owners of dam and power station assets across New Zealand for decades. Our key areas of expertise are: Life-of-asset deformation surveys for dam and hydro structures; Technology Providers and Innovators; Geothermal subsidence monitoring; Landslide and landform monitoring; Lake shoreline deformation surveys; Precise survey network establishment (for control or monitoring purposes); Advising on proposed or existing monitoring regimes; Construction-phase monitoring solutions; Expert knowledge of the New Zealand geodetic system; Offering Clients 24/7 automated monitoring solutions with near real time access to results.

Vision: Excellence in dam and geothermal monitoring.

Expertise: Unique among surveyors in New Zealand, Energy Surveys specialises in monitoring as our core business, with a strong focus on the electricity generation and hydro-engineering sectors, and geothermal subsidence monitoring making up about half of our business activities.

Energy Surveys has undertaken subsidence monitoring surveys at geothermal generation sites for decades and retains a wealth of valuable knowledge about the survey networks and subsidence history at all sites.

We are helping geothermal site owners across New Zealand by providing ongoing survey data and offering expert advice and knowledge to support informed decision making.

PROFESSIONAL SERVICES

TECHNOLOGY PROVIDERS AND INNOVATORS

ENERGY SURVEYS

surveying@energysurveys.co.nz
energysurveys.co.nz

EQUINOX AUTOMATION LTD

PROFESSIONAL SERVICES

EQUIPMENT SUPPLIERS

Equinox Automation is a leading consultancy and solution provider in the field of instrumentation and control engineering. With extensive collective experience across various industrial sectors, including the geothermal and energy sectors, we specialise in delivering bespoke engineering solutions tailored to our clients' specific needs. Our collaborative approach ensures that we provide high-quality, reliable solutions that enhance safety, functionality, and operational efficiency. We also distribute and supply high-quality instrumentation products, including fire and gas detectors, to help clients achieve better safety and performance outcomes.

Vision: Being technical leaders in instrumentation, control and automation engineering, we are able to deliver absolute value to our clients through our specialist expertise by deploying the latest engineering practices, innovative solution development and technology.

We are a company driven by teamwork, collaboration, and a strong appreciation for our clients and individual team members. We hold ourselves to high standards of respect and integrity in all our interactions.

Expertise: While we offer a range of services, we specialise in supporting geothermal projects with Fire & Gas Mapping to design effective and compliant fire and gas detection systems. Whether for new projects or reviews of existing systems, we ensure designs are compliant and can effectively detect and mitigate flammable gas, toxic gas and fire hazards.

Our Services:

- Instrumentation & Control Engineering – Concept development, instrumentation selection, integration/installation design, control system design, and commissioning.
- Fire & Gas Mapping – Compliant performance-based designs using specialist engineering processes and 3D mapping software tools to design fire and gas detector layouts.
- Functional Safety – LOPA workshops, SIL assessment, SIF design, verification, functional safety assessments, and documentation.
- Flow Metering & Analytical Instrumentation – Selection, flow calculations, and integration of gas/liquid metering and analysers.
- Hazardous Areas – Electrical equipment selection and classification for hazardous areas.

We provide practical, risk-based solutions to help optimise safety and performance for your next project.

EQUINOX AUTOMATION

contact@equinoxautomation.co.nz
equinoxautomation.co.nz

FIVE-D

PROFESSIONAL SERVICES

MAINTENANCE AND OPERATIONS PROVIDERS

Five-D is an employee-owned professional engineering consultancy based in New Plymouth, Aotearoa New Zealand. Born from the desire to re-think the typical employee-employer and consultant-client relationships that deliver the same outcomes. We offer multi-discipline engineering services across the full lifecycle of your project, including support during initial project development, project management, mechanical, electrical & instrumentation, process engineering, design drafting & construction management, asset integrity/management services to the energy, renewables, petrochemical, agricultural and food & beverage industries. Our team takes pride in working alongside our clients and the community to develop pragmatic and cost-effective solutions to complex engineering challenges. The technical expertise of our team, along with meaningful relationships developed with our clients and the integration of the latest technology and software, are driving the evolution of our engineering solutions.

Vision: To create an environment that's evolved to deliver better outcomes for all stakeholders.

Expertise: Our design and engineering team have worked on many complex projects in the geothermal, energy and infrastructure sectors. Our core capabilities include mechanical and piping design and engineering and asset integrity services. We have expertise in:

- Wellhead flowline design.
- Pressure vessel design.
- Process plant and power generation facility (including geothermal steam and binary plant) piping design, pipe stressing to ASME B31.3 and ASME B31.1 codes.
- High pressure steam lines including Steam Assisted Gravity Drainage (SAGD).
- Pipeline design, maintenance, suspension, and operation management.
- Asset integrity services including inspection, defect assessment and fitness for service/fitness for purpose including Finite Element Analysis (FEA).
- 3D surface defect mapping and assessment using Creaform laser scanning and analysis software.

We can take your concept or FEED stage project right through design to construction management and commissioning support.

FIVE-D
ENGINEERING EVOLVED

contact@five-d.nz
five-d.nz

GEO40

Geo40 is an innovative technology development and operating company based in New Zealand and targeting the sustainable, low-carbon recovery of valuable minerals from geothermal fluids. We're a team of diverse experts committed to solving global sustainability challenges within strong environmental, social and governance principles. We believe that the imperative for decarbonisation is acute. We know we can leverage our technology to play a meaningful role here. Geo40's natural silica nanoparticles sourced from geothermal fluids are successfully replacing synthetic and oil based products such as polymers, which invariably end up in waterways. We believe that the sustainable transition to electric transport will require sources of low-carbon lithium. We are working hard to succeed in this area. We see potential to recover other strategic minerals present in geothermal fluids, including boron and caesium.

Vision: Sustainable mineral recovery.

Expertise: Geo40 is a diverse collection of industry professionals, with proven expertise in the development of new and innovative mineral recovery technologies, covering silica, lithium and boron. Technologies to recover caesium and antimony are in early development. In the right geological strata, sequestering CO_2 successfully relies on two key conditions: substantially reduced silica levels in reinjection fluids and low reinjection temperatures. Geo40's silica-recovery technology provides both. Our world-first, commercial Northern Plant processes 6,700 tonnes of geothermal fluid per day and will recover up to 5,000 tonnes per annum of colloidal silica from New Zealand geothermal brine. This will also have the benefit of reducing the concentration of silica in the reinjection fluid leading to increased reinjection capacity and reduced operational costs for geothermal resource owners.

TECHNOLOGY PROVIDERS AND INNOVATORS

sustainable mineral recovery

info@geo40.com
geo40.com

GEOEXCHANGE NZ

We provide engineering design and advisory services on geothermal (geoheat) heating and cooling systems. These activities include feasibilities, detailed design & documentation, detailed business cases, regional & strategic advisory work on the integration of geothermal resources with economic growth as well as commercial research. Our project delivery capacities include traditional EPCM project delivery as well as project delivery using an ESCO or PPA model.

Vision: Our vision is for an energy system that utilises geothermal as both thermal energy (heat) and electrical energy (power). It understands that geothermal or geoheat as a demand side technology provides significant benefits to the complete energy system while removing the need for the combustion of fossil fuels.

Expertise: GeoExchange NZ Limited is a multidisciplinary team of scientists, engineers and social scientists that provides independent design and advisory services to the public and private sector on geothermal heating and cooling (geoheat) systems.

Our projects range from residential homes to commercial buildings, aquatic centres, greenhouses, hospitals and industrial heat to district heating and cooling systems.

Our advantage lies in our unique capability to integrate the disciplines of mechanical engineering, environmental sciences, systems thinking, social sciences and some design philosophy. Combined with over seventy years of local and international experience across the Asia Pacific, Europe and the Middle East we identify simple and elegant system solutions that solve multiple problems.

PROFESSIONAL SERVICES

TECHNOLOGY PROVIDERS & INNOVATORS

enquiries@geoexchange.nz
geoexchange.nz

GEOTHERMAL INSTITUTE

RESEARCH, DEVELOPMENT, AND CAPABILITY BUILDING

PROFESSIONAL SERVICES

The Geothermal Institute at the University of Auckland advances the development of geothermal energy through world-leading education, research, and consulting. Since 1978, we have trained over 2,000 energy professionals worldwide, equipping them with the skills required to support geothermal growth in the renewable energy sector. We deliver postgraduate study programmes and professional training to develop industry-ready expertise. Our research drives innovation in geothermal science, engineering and resource management to tackle global energy challenges. Through consulting, we work with energy companies, Māori trusts and government agencies to provide expert guidance to de-risk geothermal development and optimise operations.

With a strong international network, the Institute delivers commercial projects, research programmes and training in over 40 countries.

Vision: We believe in a secure, renewable energy future for everyone – driven by applied research, innovation and collaboration. Our vision is to lead the global geothermal industry in advancing clean, renewable energy solutions while ensuring equitable access to resources. Through interdisciplinary expertise and international partnerships, we will advance geothermal development, shape industry standards, empower communities and safeguard geothermal energy for future generations.

Expertise: The Geothermal Institute has a broad range of expertise and plays a key role in New Zealand's geothermal industry, supporting its growth through research, training and consulting services. Our research is internationally recognised for its innovation and impact, spanning fundamental science and practical applications. Geothermal engineering and modelling are among our core strengths. We also offer specialised postgraduate programmes and collaborate with clients to deliver tailored short courses, mentoring, master classes, seminars, and technical workshops.

Our consulting services are driven by a commitment to best practice in geothermal technology. We focus on delivering high-quality outcomes while ensuring timely and effective delivery. Our long-standing relationships with industry partners reflect the value our team brings to each project.

Our expertise includes: Geothermal resource assessment; Supercritical geothermal resources; CO_2 sequestration; Geothermal modelling (digital twins); Geothermal wellbores, well test analysis and drilling; Critical mineral extraction; Scaling and corrosion control; Surface facilities design and optimisation.

GEOTHERMAL INSTITUTE

geothermal@auckland.ac.nz
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HALLIBURTON

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

PROFESSIONAL SERVICES

Halliburton collaborates and engineers solutions across the geothermal lifecycle to reduce the cost per megawatt for our customers. As one of the world's leading providers of products and services to the energy industry, Halliburton develops innovative technologies, products, and services that help customers maximise asset value throughout its lifecycle while advancing a sustainable energy future.

Vision: Halliburton remains committed to helping our customers satisfy the world's need for affordable and reliable energy provided by geothermal and oil & gas — in a more effective, efficient, safe, and ethical manner while minimising environmental impact.

Expertise: Since the 1950's, Halliburton has pioneered the development of geothermal resources across the globe. Halliburton offers a full array of products, technology, and integrated services to help reduce resource development costs and assist with risk mitigation in low-and high-enthalpy geothermal projects. Halliburton collaborates with customers to aid in identifying and developing the best solutions for conventional (hydrothermal), enhanced (stimulated), advanced (closed loop) and direct heating geothermal projects. Our comprehensive approach guides you through all four stages of a geothermal well lifecycle: subsurface understanding and testing, well construction, completions and production. Halliburton has the services and technology to help mitigate risk in geothermal exploration and well construction projects.

HALLIBURTON

AABDleads@halliburton.com
halliburton.com

HUTEC ENGINEERING LTD

Hutec, an employee-owned company, is an integrated engineering services and manufacturing company providing solutions in Energy, Heavy Industry and Specialised Manufacturing to clients across New Zealand and Australia.

Our Energy division works with renewable energy generators across Australia and New Zealand to build, maintain and overhaul hydro and geothermal power plants, steam fields and ancillary pipe works & valves. We work with all New Zealand geothermal operators. We provide critical support to clients during planned and unplanned outages.

Our Industrial division supports large process engineering in pulp & paper, timber mills and heavy industry, routine shuts and unplanned outages.

Our Manufacturing unit, spread over two well equipped workshops in Kawerau, fabricates all types of steel products, valves and specialised manufacturing equipment (including integrated E, I & C systems) that are exported to North America, Europe and the Middle East as well supporting clients across the energy and industrial sectors.

Vision: To be the best installation, operations and maintenance provider to our energy & industrial clients to help keep the lights on and the wheels of industry turning.

Expertise: Hutec has worked on most operating geothermal sites in New Zealand with both reservoir owners and generators.

- Drilling support services
- Geothermal wellhead inspections & fabrication.
- Steamfield piping installation, inspection, maintenance & repairs.
- Balance of plant (condenser, scrubbers) repairs & maintenance.
- Planned and unplanned power plant shutdown turnaround.
- Steam turbine inspections, repairs & maintenance, alignment.
- Component manufacture and fabrication, advanced welding.

MAINTENANCE & OPERATIONS PROVIDERS

EQUIPMENT SUPPLIERS

HUTEC
ENGINEERED TRANSPARENCY

admin@hutec.co.nz
hutec.co.nz

JACOBS

As part of the many diverse consulting and engineering services provided by Jacobs, our New Zealand Geothermal Team specialises in all aspects of geothermal exploration, development, power generation and direct use. We have worked on more than 100 geothermal resources, over 3,000 MW of generation, in over 20 countries, comprising more than one third of the world's geothermal power generation capacity. We have also developed extensive Capacity Building & Training Programmes in core practice areas such as geothermal reconnaissance & exploration, geothermal project management, reservoir engineering, and steam field & power plant engineering. We have worked extensively with project developers, financing institutions, plant owners & operators, government & regulatory bodies and other stakeholders, both in New Zealand and internationally. We offer the full range of technical skills to support our clients to take a geothermal prospect from initial reconnaissance, through exploration, appraisal, resource assessment, development and ultimately, into operation.

Vision: Our Jacobs Global Vision is to make the world smarter, more connected and more sustainable. For our geothermal team, we strive to make sustainable energy a reality faster and for more people, across the world.

Expertise: Jacobs New Zealand has a strong presence in the local geothermal industry. We often collaborate with the University of Auckland and Geothermal Institute on various projects delivering geothermal training courses, imparting our extensive knowledge in geothermal engineering and geoscience. We work with major energy generation and utility companies, providing geoscience support, process engineering consulting, steam field conceptual, preliminary and detailed design, and technical documentation for consenting. Jacobs has been substantially involved in the development, planning and execution of large geothermal projects at Te Mihi, Tauhara, Kawerau and Ngā Awa Pūrua.

PROFESSIONAL SERVICES

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

Jacobs

jacobs.com

JGP LTD

PROFESSIONAL SERVICES

JGP is a specialised asset and project management, consultancy and supervision company. Established in 2016, the JGP Team has grown in strength and diversity while maintaining a focus on our core services. We continue to apply these skills in delivering projects for our expanding client base across the energy & gas, power generation, water, heavy industry, and primary industries.

Our expertise lies in delivering:

- Expert Project Management - seamless execution from concept to completion, ensuring projects are delivered safely, on time and within budget.
- Asset Services - asset health through lifecycle management is at the core, and we specialise in optimising processes and systems throughout the value chain.
- New Energy – applying our experience and expertise in asset and project management to advance renewable energy projects in bioenergy, geothermal and wind.

Vision: To be the recognised and preferred supplier of project and asset management services for energy and utilities infrastructure.

Expertise: JGP's team of experienced professionals provide project management, project engineering, planning & scheduling and construction supervision to the geothermal industry. Our work encompasses project governance & assurance, project management (concept to close-out), project monitoring & reporting, project engineering, construction management, supervision, coordination, planning & scheduling, HSE management, procurement & material compliance management, pre-commissioning & commissioning controls, project support & administration, cost control, contractor engagement & management and designer engagement & management. JGP has supported our clients' work in geothermal drilling campaigns, turnarounds/shutdowns, well interventions, piping, debottlenecking, power station projects, process safety improvements, HAZOP action close-outs, cooling water dosing/water treatment, cleaning & remediation and chemical cleans.

JGP Projects

info@jgp.co.nz
jgp.co.nz

JRG ENERGY CONSULTANTS LTD

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

PROFESSIONAL SERVICES

Joint Resource Geothermal (JRG Energy) is a trusted leader in geothermal energy solutions across the globe. The company is driven by a team of internationally located and highly skilled engineers, consultants and technicians committed to helping clients achieve their project goals. Our expertise spans the geothermal energy sector and other natural resource industries, covering early exploration and feasibility through to downstream operational efficiency. We work with clients large and small and are dedicated to understanding each client's unique challenges, delivering tailored, effective solutions that prioritise innovation, efficiency and integrity.

Vision: JRG Energy's Vision is to continue being a trusted partner in the global geothermal industry, delivering innovative and tailored solutions that optimise resources and drive sustainable success.

Expertise: JRG Energy delivers innovative project management and global engineering consulting services for both the upstream and downstream geothermal industries. With successful projects in over 30 countries, our team brings extensive international experience in both geothermal for power generation and direct use applications. In New Zealand, JRG Energy has contributed expertise in geothermal direct-use feasibility studies, general well services, advisory, technical due diligence, geothermal well testing, perforation and stimulation, and production and injection well performance. We offer a comprehensive suite of services and can take on a variety of roles within geothermal projects.

JRG Energy

info@jrgenergy.com
jrgenergy.com

LFF NEW ZEALAND

The LFF Group was formed in London in 1983 and has grown steadily to become a global leader in the supply of pipes, fittings, flanges and valves. We are involved in many of the world's largest projects & MRO contracts across many industry sectors through our 15 facilities around the world. We support these activities with an extensive inventory of carbon, stainless, duplex and super duplex steels. Integrity, professionalism, technical competence and commitment are core values of the group. Since its establishment in 2012, LFF New Zealand has developed to become one of the leading suppliers to the petrochemical, oil & gas and geothermal industries within New Zealand.

Vision: Providing unrivalled customer satisfaction through award winning service.

Expertise: LFF New Zealand has managed the sourcing and supply of piping products and valves for a range of projects supporting various steam pipelines, dry/flash steam and binary cycle power plants across the geothermal industry. This expertise includes in-house metallurgical engineering, transport, logistics and a dedicated project execution & expediting team with extensive knowledge of the geothermal industry.

EQUIPMENT SUPPLIERS

LFF NEW ZEALAND

NZ-Sales@Lff.co.nz
lffgroup.com

LT ENGINEERING

LT Engineering is a consultancy specialising in the geothermal energy sector. With extensive experience in front-end engineering design (FEED), detailed design engineering, construction, and commissioning of both geothermal steam fields and power plants.

We have over 10 years of experience in the geothermal industry, working both locally and internationally in Kenya and Indonesia. This has allowed us to build a network of trusted contacts across all phases of geothermal projects, enabling us to support clients throughout the entire project lifecycle. We have experience of overcoming problems from multiple geothermal projects globally. This allows us to draw on this experience to find pragmatic solutions to address the challenges faced in geothermal projects.

Vision: Supporting the geothermal industry with simple effective engineering to solve unique geothermal challenges.

Expertise: In New Zealand we were engaged to provide project management services to the Tauhara project starting with detailed engineering stage and seeing the project through to commissioning and handover.

PROFESSIONAL SERVICES

info@ltenz.com

MB CENTURY

MB Century is your go-to partner for end-to-end energy solutions, with expertise across geothermal, hydro and hydrogen generation. Our geothermal teams provide end-to-end specialist services across the entire geothermal lifecycle, informed by decades of field data, project history and experience and operational insights to deliver fast, safe and effective outcomes. Our strength lies in our ability to combine technical innovation with practical expertise. Our geothermal services include: drilling, reservoir tools, plant & turbine services, project management and design/engineering.

We own and operate New Zealand's most advanced geothermal rig, operating to the highest industry-leading safety practices. These services are supported by our specialist fabrication, industrial coatings and precision machining workshops. Through our comprehensive quality management system, we continuously improve our overall performance, ensuring consistent quality and providing the best outcomes for our clients.

Vision: Engineering energy success through unrivalled experience, innovation and enduring partnerships.

Just as we were instrumental in New Zealand's first geothermal development, we will continue to lead the development and training of future specialists. Our vision is to be the technical expert, supporting the wider international geothermal community through the energy transition. This will be achieved by delivering smart, reliable and effective solutions, creating lasting value and maximising operational performance and the reliability of our clients' assets.

Expertise: MB Century is New Zealand's original geothermal services provider and a driving force in the industry's evolution. Since playing a lead role in the construction of the world first Wairakei Power Station over 70 years ago, we've been behind virtually every major geothermal development in Aotearoa and many more abroad. Our strength lies in decades of hands-on experience across drilling, testing, engineering, construction and maintenance. We don't just understand geothermal, we've lived it. That practical knowledge powers smarter, tailored solutions for every project we take on.

As the only provider in New Zealand developing in-house high-temperature reservoir tools and diagnostics, we give clients access to unmatched data insights and confident decision-making. Just as importantly, we're mentoring and training the next generation of energy specialists. From our pioneering roots to cutting-edge innovation, MB Century is the trusted partner for asset integrity, plant performance and long-term reliability in geothermal energy.

MAINTENANCE AND OPERATIONS PROVIDERS

EQUIPMENT SUPPLIERS

MB Century

info-NZ@mbcentury.com
mbcentury.com

MCLEOD CRANES & HIABS

McLeod specialises in innovative and dependable lifting, transport and logistics solutions across New Zealand, focusing strongly on the geothermal and energy sectors. Our comprehensive services include drilling rig logistics, crane hire, Hiab & over-dimension transport, rig move supervision, logistics coordination, Approved Transitional Facility (ATF) services and secure storage solutions. We deliver tailored strategies to meet the unique demands of complex projects, ensuring operations are executed safely, efficiently and on time. With a team of highly skilled engineers and experienced operators, we excel in technical lift planning, precision transport and seamless logistics management.

Vision: To be New Zealand's most trusted provider of lifting and logistics solutions by delivering exceptional service, innovative solutions and a commitment to safety, efficiency and reliability in every project.

Expertise: McLeod has a proven track record of supporting New Zealand's geothermal industry with specialised lifting, transport and logistics solutions. Our expertise includes drilling rig logistics, overdimension transport and crane hire, enabling seamless operations across all project stages, from exploration and drilling to infrastructure development and maintenance. As an Approved Transitional Facility (ATF), we ensure efficient handling of imported geothermal equipment, while our secure storage options offer added flexibility.

With deep industry knowledge and a commitment to safety and innovation, our engineers and operators provide precise lift planning, complex transport solutions and reliable execution tailored to geothermal operations. We understand the unique challenges of geothermal projects and deliver high-quality services that drive success, supporting New Zealand's sustainable energy goals.

PROFESSIONAL SERVICES

EQUIPMENT SUPPLIERS

McLEOD
CRANES | HIABS | TRANSPORT | ATF
DRILLING RIG LOGISTICS
LIFT ENGINEERING & CONSULTANCY

info@mcleod.nz
mcleod.nz

MERCURY

UTILITIES

Mercury is a proud New Zealand company which generates electricity from 100% renewable sources and is a leading multi-product utility retailer. As an electricity generator, the company has 21% of the market produced by 9 hydro stations, 5 geothermal stations and 5 wind farms. As a retailer, it has about 860,000 customers buying electricity, gas, broadband and mobile phone connections. The company continues to invest in new, renewable energy development, as well as refurbishing existing generation assets. Mercury has about 1,500 permanent employees nationwide and about 69,000 shareholders, which makes it the most widely owned business in the country.

Vision: Mercury's purpose is: Taking care of tomorrow; connecting people and place today. We do this by delivering more reliable and renewable energy to power New Zealand, accelerating the shift to a low-carbon future, creating success with others and innovating with technology. We achieve what matters most through financial growth and perform with an adaptive and inclusive culture.

Expertise: Mercury operates 5 geothermal power stations in the Central North Island contributing about 7% of New Zealand's electricity generation. These stations are supplied by geothermal wells, drilled into geothermal reservoirs, and harness natural heat deep underground. This enables us to produce steady, base-load electricity 24/7.

Mercury's expertise and strengths in the geothermal sector:

- Strong commercial joint ventures with Māori, which allow for co-ownership and collaborative management of the geothermal resource.
- Expert experience in operating geothermal power stations, managing the response of the geothermal resource and compliance with resource consents to operate.
- Long history of field development and exploration, working with external parties to drill and maintain the performance of existing and replacement geothermal wells across Kawerau, Rotokawa, Ngā Tamariki and Mōkai.
- A focus on continuous operational improvement, including our investment in technologies to capture and reinject naturally occurring non-condensable gases (e.g. CO_2) back into the geothermal reservoirs to reduce our emission footprint for a more sustainable energy future.

Mercury

geothermal@mercury.co.nz
mercury.co.nz

MITCHELL DAYSH

PROFESSIONAL SERVICES

Mitchell Daysh is a specialist environmental and planning consultancy comprising a team of over 40 specialists in resource management and environmental planning, consenting and permitting. We operate throughout New Zealand with offices in Auckland, Hamilton, Mt Maunganui, New Plymouth, Napier, Nelson, Dunedin and Invercargill. Our team of highly experienced consultants provide services to corporate, government agencies, local authorities and various other clients both within New Zealand and overseas.

Vision: To be New Zealand's most trusted environmental problem solver and strategist that attracts, develops, excites and retains exceptional people in a 'team first' culture, delivering best practice and sustained growth in profit.

Expertise: Mitchell Daysh staff have proudly led consenting and re-consenting processes at most of New Zealand's geothermal electricity generation sites across the Wairakei-Tauhara, Rotokawa, Ngā Tamariki, Ohaaki, Taheke and Ngāwhā geothermal fields. We are experts in identifying likely geothermal development impacts and scoping technical/scientific work to assess environmental effects. Our staff are also highly experienced in communicating with Māori and other indigenous peoples, teasing out issues and working on effects, mitigation options and strategies. For many years, Mitchell Daysh has been active in the New Zealand Geothermal Association (NZGA), with several staff being members of the association's Board of Directors, has run short courses in conjunction with the World Geothermal Congress and lectured on geothermal permitting and environmental matters during training courses run by the Government. Mitchell Daysh's experience has also led to our involvement in a number of geothermal developments and related projects in Asia and the Pacific.

MITCHELL DAYSH

mitchelldaysh.co.nz

MPF ENGINEERING

Renowned for our excellence in pipefitting and fabrication, MPF Engineering stands as a compelling choice for your next project. Our highly regarded team are well conversed in running process and piping services both in stainless steel and carbon steel. We have ticketed welders for steam, compressed air and other high pressure services. We have experienced riggers capable for lifting the smallest to largest items of equipment, with appropriate care taken.

Vision: We are a proud, kiwi owned and operated company with a young and innovative approach to the ever changing construction industry.

Expertise: Our expertise in New Zealand's geothermal industry centres around the provision of tailored engineering solutions to support geothermal power generation, specialisation in pipe fabrication and mechanical installation for steam and fluid systems, and ensuring efficient and reliable energy transport. With a deep understanding of the challenges presented in geothermal operations, we design and deliver solutions that withstand high temperatures, pressures and corrosive environments.

We offer maintenance, upgrades and an offsite machine shop to improve the performance and longevity of geothermal plants. Our project management capabilities ensure the successful delivery of complex projects, from design to commissioning, with a focus on quality, safety and timeliness.

We enjoy collaboration with our clients and stakeholders; strong relationships are key to delivering innovative and efficient solutions for sustainable energy production, where those involved are pleased with the outcomes. With a commitment to excellence, we play a pivotal role in advancing New Zealand’s geothermal industry.

CONSTRUCTION AND INFRASTRUCTURE DEVELOPERS

MAINTENANCE AND OPERATIONS PROVIDERS

info@mpfengineering.com
mpfengineering.com

MTL

MTL is a multi-discipline engineering design and project delivery services consultancy that specialises in geothermal energy projects. For over 30 years MTL has designed and delivered projects in New Zealand and internationally with our specialist team of geothermal engineers and project managers. We work alongside owners and contractors to develop best-for-project solutions that reduce risk and leverage MTL’s industry leading design knowledge of above ground facilities for geothermal power and energy usage. We provide full project management services, feasibility studies, process optimisation and detailed engineering design for steamfield systems and power plant balance of plant.

Vision: We plan, engineer and deliver world-leading geothermal infrustructure solutions through collaboration.

Expertise: MTL has contributed significantly to the global development of geothermal power projects over the past 30 years. We have worked in 10+ countries on a number of developments in both design and technical advisory roles for both owners and EPC contractors. We provide a full range of technical skills and expertise required to conceptualise and deliver your geothermal project, providing integrated design solutions for both flash steam and ORC systems across a range of technology suppliers and small to large capacities. MTL process specialists work with existing owners to optimise production and unlock further value from their reservoir.

Our focus is providing quality design and advice that leads to successful project execution and safe, reliable assets for the owner. By leveraging MTL's expertise you have access to the latest industry knowledge and best practice in geothermal infrastructure design.

PROFESSIONAL SERVICES

TECHNOLOGY PROVIDERS AND INNOVATORS

info@mtlnz.co.nz
mtlnz.co.nz

NALCO WATER, AN ECOLAB COMPANY

Geothermal energy is a sustainable, reliable and renewable energy source. Nalco Water partners with the geothermal industry to support in maintaining the efficiency, productivity and profitability of geothermal energy generators. We work with geothermal companies to achieve their goals through a combination of global industry expertise, on-site technical support, best-in-class connected chemistries and smart technology.

Vision: We partner to make the world cleaner, safer and healthier - helping customers succeed while protecting people and the resources vital to life.

Expertise: Nalco Water is a leading provider of water treatment solutions in the geothermal industry, partnering with most major geothermal producers in New Zealand and around the world. Nalco Water is specialising in mineral scaling management (inhibition and dissolution), corrosion inhibition and cooling tower management. Nalco Water has also invested in scale modeling technology which helps geothermal operators to predict potential scaling in their plant and recommends solution to prevent it.

PROFESSIONAL SERVICES

TECHNOLOGY PROVIDERS & INNOVATORS

customer.services.nz@ecolab.com
en-nz.ecolab.com

NGĀTI TŪWHARETOA GEOTHERMAL ASSETS

Ngāti Tūwharetoa Geothermal Assets Limited (NTGA) is a wholesale steam and brine supply business owned by Tūwharetoa mai Kawerau ki te Tai. NTGA is driven by the deep cultural connection between Tūwharetoa mai Kawerau ki te Tai and the geothermal ngāwhā that lie within ancestral lands. These geothermal assets are not only regarded as natural resources but are also integral to the iwi's heritage, spirituality and guardianship principles (kaitiakitanga).

We specialise in the development, management and commercialisation of geothermal energy, supplying geothermal process steam to our customers in the Kawerau Industrial Complex which is used in the production of:

- Dried timber - two international scale sawmills use geothermal for their timber drying.
- Kraft pulp - our steam is used along with biofuel in the production of kraft pulp in Kawerau.
- Tissue products - tissues, handy towels and toilet paper.
- Dairy milk products.
- 100 MW of electricity production.

Vision: NTGA's vision is to provide long term socio-economic benefits for Tūwhareroa mai Kawerau ki te Tai, the wider Kawerau community and the Bay of Plenty region of New Zealand.

Expertise: We use the best information we have available to ensure that our operations are consistent with our role as kaitiaki (guardians) of the ngāwhā (geothermal system), the awa (river) and the taiao (environment). Our operational decisions are the best combination of scientific, commercial and mātauranga Māori (knowledge) to ensure that our operations reflect our values. We actively participate in the development and implementation of the Kawerau System Management Plan, the living document that guides the sustainable management of the Kawerau Geothermal System. Our operations also use and invest in a state-of-the-art reservoir numerical simulation model to analyse the reservoir sustainability of our current and future operations. We continue to invest in our assets to ensure that they are reliable, safe to operate and able to adapt to the evolving reservoir.

MAINTENANCE AND OPERATIONS PROVIDERS

COMMUNITY AND INDIGENOUS CULTURAL GROUPS

info@tuwharetoakawerau.co.nz
tuwharetoageothermal.co.nz

NGĀWHĀ GENERATION LIMITED (NGL) – A SUBSIDIARY OF TOP ENERGY LIMITED

UTILITIES

Top Energy is a Consumer Trust owned electricity generation and lines network Group serving the Far North region of New Zealand. As a major infrastructure provider, the company manages and maintains 4,500km of power lines, 13 substations and over 6,000 transformers, delivering electricity to 34,000 homes and businesses from North Hukerenui to the Cape.

With assets exceeding $900 million and a workforce of over 180 staff, Top Energy is one of the region's largest employers and key economic drivers. The company's commitment to community development extends beyond infrastructure maintenance, positioning itself as a catalyst for regional economic and social growth and prosperity.

Vision: To provide affordable and sustainable energy to Far North consumers.

Expertise: Through its wholly owned subsidiary, Ngāwhā Generation Limited (NGL), Top Energy operates a state-of-the-art geothermal power station in Ngāwhā. The station generates 55 MW through four binary Ormat Technologies generating units, producing 125% of the Far North's electricity demand for 95% of the year, with excess power exported south through the National Grid.

Ngāwhā directly contributes to relieving the bottle neck of transmission located at Auckland, which must import electricity generated further south to supply Auckland, Whangarei and the rest of Northland.

The power station's development spans over three decades, beginning in 1998 with two 10 MW units (OEC1 and OEC2), followed by a 15MW unit in 2008 (OEC3), and most recently, a 32MW unit (OEC4) commissioned in 2020. A significant milestone was achieved in 2023 when Ngāwhā Generation became New Zealand's first net zero-carbon-emitting geothermal power station operator, earning Toitū carbon reduce certification.

TOP ENERGY® Te Puna Hihiko

info@ngawhageneration.co.nz
ngawhageneration.co.nz
topenergy.co.nz

NIKKISO CLEAN ENERGY & INDUSTRIAL GASES

EQUIPMENT SUPPLIERS

TECHNOLOGY PROVIDERS & INNOVATORS

Nikkiso Clean Energy & Industrial Gases Group (CEIG), a division of Nikkiso Co. Ltd., specialises in providing advanced cryogenic equipment and solutions for geothermal power offering ORC binary plants, waste heat recovery units, turbo expanders for ORC cycle, clean energy and industrial gas sectors. With over 70 years of experience, Nikkiso CEIG offers a comprehensive range of products and services tailored to meet the diverse needs of markets worldwide.

Vision: Leading the change to a healthier world. Nikkiso CEIG provide innovative equipment, technologies and services through our global group of companies to help our customers to make a difference.

Expertise: NIKKISO CEIG specialises in binary power generation, waste heat recovery and CO_2 capture for New Zealand's geothermal industry. With in-house manufacturing of high-performance turbo expanders, we deliver efficient and reliable power generation systems that maximise geothermal resource utilisation.

Our expertise in Organic Rankine Cycle (ORC) binary plants allows operators to convert low-temperature geothermal heat into electricity, increasing overall efficiency and sustainability. Additionally, our advanced waste heat recovery solutions optimise energy output by utilising excess heat from industrial and geothermal processes.

NIKKISO CEIG also provides CO_2 recovery technology, enabling geothermal plants to capture and repurpose CO_2 for commercial use, reducing emissions and creating new revenue streams. By integrating our proprietary turbo expanders and process expertise, we offer customised, high-performance solutions that support New Zealand's transition to a cleaner, more efficient energy future.

NIKKISO

NEATSales@NikkisoCEIG.com
nikkisoceig.com

NIKO

After almost 30 years in the market, Niko is known in our industry as New Zealand's leading team of power system engineers, in terms of both experience and depth of knowledge. Our team combines technical knowledge in many engineering areas, including heavy electrical, switchyards, protection/control, communications, computer modelling and CAD design, with proven organisational and management expertise. We serve both small and large organisations in the fields of electric power generation, transmission and distribution. As an employee-owned company, we foster a strong sense of belonging among our people, who are engaged, trained and supported to provide our clients with the high-quality service they expect. Our reputation as "consultant of choice" in the New Zealand electric power industry reflects our commitment to excellence.

Vision: Specialist engineers designing the electric future.

Expertise: Niko's engineering service in geothermal cover electrical, controls, instrumentation and functional safety. Niko provides conceptual design, front end design & detailed design, facilitation of HAZOP, ZHAZOP, EHAZOP & SID workshops, project management, construction support & commissioning assistance and owners engineering in these areas. Niko has been involved in supporting the engineering and design delivery for some of the largest geothermal sites in New Zealand and work closely with industry partners to deliver quality designs and service to the geothermal operators within New Zealand.

CONSTRUCTION AND INFRASTRUCTURE DEVELOPERS

PROFESSIONAL SERVICES

info@niko.nz
niko.nz

OMV

OMV is an international integrated fuel, energy and chemical company, with a market cap >EUR 14bn one of the largest companies listed on the Vienna SX. Geothermal energy plays an essential role in OMV's Strategy 2030 and our transformation into an integrated sustainable chemicals, fuel and energy company, with a global target of ~4 TWh by 2030.

In Austria, OMV has joined forces with local supplier, Wien Energie, to deliver geothermal energy to around 20,000 households. We are also investing in Eavor Technologies, a leading developer of closed loop geothermal solutions, a method that makes it possible to use geothermal energy for heating systems in areas where traditional hydrothermal resources are not available.

Vision: Leading international integrated sustainable chemicals, fuel and energy company focussed on providing secure sustainable energy solutions.

Expertise: OMV NZ is the leading oil and gas producer in NZ, we see an exciting opportunity to apply our global knowledge and technical skills to advance geothermal solutions and support New Zealand's clean energy goals – and we welcome opportunities to collaborate with partners who share this vision.

UTILITIES

SUBSURFACE RESOURCE ASSESSMENT & DRILLING

info.nz@omv.com
omv.com

POWERFLO SOLUTIONS NZ PTY LTD

Powerflo Solutions sells, manufactures and supports a wide range of high quality engineered control valves, regulators, safety devices and process instrumentation serving virtually every industry in which liquids or gases are controlled or measured. Our team of professional sales and engineering people are dedicated to providing you with the best engineered solution for your application. We take a diverse approach, offering a combination of both standard and specialty-engineered products, all supported by our substantial repair/service capabilities. Our locations in Australia, New Zealand, New Caledonia, Kenya, Madagascar and Southeast Asia expand all over Southern Hemisphere.

Vision: While our engineered products are inevitably subject to the continual change necessary to meet the latest demands of industry – and often rapid advances in technology – our business philosophy remains the same as it was when our company was established in 1911: quality, service and value.

Expertise: Specialising in high quality engineered control valves, regulators, safety devices, rupture disc and process instrumentation, we are able to support locally with design, application and commissioning activities, as well as product training. With locations in New Zealand, Kenya, Madagascar and Southeast Asia we are able to share our expertise and experiences on geothermal applications from overseas.

EQUIPMENT SUPPLIERS

salesnz@powerflo.co.nz
powerflo.com.au

PROGEN

Established in 1998, ProGen is a New Zealand-based industrial maintenance and project management company focused on the operation, maintenance, engineering, major overhaul, inspection and repair of power generation equipment.

ProGen's mechanical team provide specialist trades service and supervision for the repair and overhaul of complex rotating equipment. Our mechanical capability also includes geometric alignment & machine levelling, cylinder half joint restoration and project planning services.

Through our engineering team, ProGen provides complimentary professional services to clients including repair methodologies, life assessments, RCA/RCM, life extension & condition assessments, fitness for service, commissioning, client engineer, outage planning & execution, asset strategy and QA/QC roles.

Vision: To provide specialist technical resource and expertise within the electricity industry.

Expertise: ProGen provides service to a diverse range of clients and equipment throughout New Zealand and South East Asia, having completed 79 geothermal and 72 thermal outages as the lead contractor, specialist engineer or outage supervisor.

MAINTENANCE & OPERATIONS PROVIDERS

PROFESSIONAL SERVICES

info@progen.co.nz
progen.co.nz

PUMP & MACHINERY

Pump & Machinery are the leading pump & meter experts delivering complete engineered solutions to the market since 1950 with our legacy company Levingston Brothers. With branches spread across both North and South Island and a dedicated team of professionals, we can be a one stop solution for all your fluid applications.

With a complete offering ranging from API 610, API 685, API 674, API 675, API 676, ASME B73.1, ASME B73.2, ASME B73.3, ANSI, ISO 2858, ISO 5199, DIN, Positive Displacement, Rotary Vane, AODD & many more.

Vision: Pump & Machinery are the leading fluid/pumping application specialist in all critical infrastructure areas and processes for large essential industries across New Zealand & the Pacific Islands.

Expertise: Pump & Machinery represents the world's leading manufacturers of positive displacement & centrifugal pumps designed specifically for the geothermal & energy sectors. Providng the industry with Brine Re-Injection Pumps (BRIP), Condensate Re-Injection Pumps (CRIP), Cooling Water Pumps (CWP), hydrocarbon feed pumps, auxiliary pumps, production pumps, vertical pumps for condensate extraction, boiler feed water pumps, combined cycle power plant pumps, fire protection pumps & systems and many more.

EQUIPMENT SUPPLIERS

PROFESSIONAL SERVICES

sales.a@pumpmachinery.co.nz
pumpmachinery.co.nz

SAFETY SOLUTIONS LTD

Safety Solutions Ltd offers process safety consulting services and training courses to establish strong safety management culture and capability.

Our consultants have significant international experience and are leaders in the field of process safety. Combining specialist engineering and management skills, we work with operating and engineering companies to establish their process safety programs to the highest possible standards. Our consultants are experienced in:

- Hazard ID - HazID, HAZOP.
- Risk assessment - Bowtie, LOPA, Fault Tree.
- Consequence modelling - QRA, dispersion, fire, explosions, CFD models.
- Control measure management - functional safety, verification.
- Alarm management.
- Safety management systems - development and auditing.

Vision: To establish strong safety management culture and capability across all companies exposed to hazardous operations. To be seen as thought leaders and first movers in Process Safety and extend our offerings as our clients' needs grow.

Expertise: Since 1993, Safety Solutions has been servicing clients in oil & gas, petrochemical, refining, hazardous substances, chemicals, dairy, power generation, pulp and paper sectors.

Since early 2011 Safety Solutions has been conducting geothermal safety assessments for both greenfield developments and safety case submissions. In 2018, the Rotorua office was established to directly service the geothermal sector in the Bay of Plenty and Waikato regions.

Our team is based in New Zealand (New Plymouth, Rotorua and Auckland) and Australia (Brisbane). Our team has led thousands of workshops and training courses across many sectors.

PROFESSIONAL SERVICES

RESEARCH, DEVELOPMENT, AND CAPABILITY BUILDING

info@safetysolutions.co.nz
safetysolutions.co.nz

SEEQUENT

Seequent, The Bentley Subsurface Company, helps organisations to understand the underground, giving them the confidence to make better decisions faster. Seequent's world-leading subsurface earth-modelling & analysis software, data management and collaboration technologies enable our customers to lead their industries with precision and confidence. We collectively remove barriers to understanding the underground by connecting teams to the data and solutions they need to solve complex, real-world and environmental problems. Every day we help them source renewable energy, develop critical mineral resources more sustainably, design and build better infrastructure, and reduce their impact on the environment. Seequent operates in 145+ countries while proudly maintaining headquarters in New Zealand.

Vision: Understand the underground to build a better world.

Expertise: Seequent technology is advancing the understanding of geothermal resources globally, with powerful subsurface software that covers everything from geophysical exploration to reservoir simulation.

Designed in collaboration with industry, Seequent's technology provides the end-to-end requirements of a geothermal field. Our transformational tools streamline workflows, reduce risk, and optimises resource management - from exploration to operation.

Seequent supports more than 50% of global geothermal power generation. Our software integrates complex geoscience and engineering data, and enables the rapid building and visualisation of 3D models to test multiple scenarios.

This empowers the global geothermal industry to make clear, informed decisions with less uncertainty, enhancing geothermal energy's sustainable and efficient development.

TECHNOLOGY PROVIDERS AND INNOVATORS

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

SEEQUENT

sales@seequent.com
www.seequent.com

SOLENIS

Whether you're an engineer, technical director or a plant manager in a paper mill, oil refinery or dairy processing plant, or an owner or operator of a pool or spa, we can help you improve your operational efficiency, reduce your environmental impact, meet the hygiene requirements for your facility, and maintain the cleanliness and health of your water. That's exactly what we've been doing since our founding more than 100 years ago. Today, we're a leading specialty chemical supplier and water treatment company with a truly global footprint. With over 16,500 employees and 70 manufacturing facilities, our operations span 130 countries and six continents.

Vision: To build a safer and healthier world through sustainable innovation.

Expertise: Solenis offers a variety of advanced technologies that help ensure the optimal performance of geothermal power plants. Whether your operation is dry steam, two-phase, binary or an enhanced geothermal system, you can count on us to take a holistic approach to determining and implementing the right solutions for your operation. These solutions include not only novel chemical technologies for addressing silica and calcite deposition, but also several equipment technologies for monitoring and controlling biofilm and scale in geothermal systems. Working together, we can employ these solutions to address your specific challenge, whether it be improving megawatt efficiency, reducing operational costs or extending equipment life.

MAINTENANCE AND OPERATIONS PROVIDERS

TECHNOLOGY PROVIDERS AND INNOVATORS

Solenis™

solenis.com

SUMMIT HYDRAULIC SOLUTIONS LIMITED

EQUIPMENT SUPPLIERS

MAINTENANCE AND OPERATIONS PROVIDERS

At Summit, we pride ourselves on being a leading force within the hydraulics sector in New Zealand. With an impressive track record spanning over 50 years, our hydraulic engineers bring unparalleled experience and expertise to the table. We operate at levels above industry standards, ensuring that our clients receive the highest quality solutions for their hydraulic needs. Summit Hydraulics stands out for its commitment to excellence and innovative problem-solving. Our comprehensive packages, covering design, services, automation, and support, ensure a seamless experience with just one call. With a customer-centric approach, we take the burden off our clients, providing practical solutions and allowing them to focus on their daily operations.

Driven by a culture of excellence, we have diversified our offerings to include advanced automation, remote monitoring, industrial valves, steam solutions, energy efficiency & emission reduction solutions and water treatment solutions, ensuring state-of-the-art technology is accessible to our valued customers.

Vision: To be a global leader in engineering solutions, renowned for our legacy in hydraulic innovation and our commitment to advancing sustainable technologies. At Summit, we envision a future where our expertise in hydraulics and our diversified offerings drive progress, empower industries, and foster resilient, sustainable communities worldwide.

Building on over 50 years of excellence, we remain steadfast in delivering unmatched quality, safety, and service. With a customer-centric approach and comprehensive solutions, we take pride in being a trusted partner, enabling our clients to achieve their goals efficiently and sustainably.

Expertise: Summit is a trusted partner with over 50 years of experience in delivering reliable hydraulic services across the region. With a deep commitment to innovation and sustainability, we proudly support the geothermal industry by providing cutting-edge hydraulic solutions tailored to the sector's unique challenges.

Our expertise extends beyond traditional hydraulics. We have diversified our offerings to include energy efficiency systems, emission reduction technologies and water treatment solutions. These align seamlessly with the geothermal industry's goals of sustainable energy production and environmental stewardship.

At Summit, we prioritise quality, efficiency and a customer-centric approach to help our partners maximise operational performance while minimising environmental impact. With a proven track record and a forward thinking ethos, we are your go-to experts for hydraulic and allied services in the geothermal industry. Together, we can harness the power of sustainable energy for a greener future.

SUMMIT

sales@summithydraulics.co.nz
summithydraulics.co.nz

SUPERIOR PERFORMANCE DESIGN (SPD)

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

PROFESSIONAL SERVICES

Superior Performance Design (SPD) is a well-engineering consultancy company with an extensive track record of providing a range of specialist well engineering services to the energy industry. These services include well integrity, consultancy, well design, studies, due diligence, well abandonment and well reviews. SPD believes in addressing well engineering and subsurface challenges through innovative and purpose-built solutions. Our engineers possess extensive geothermal experience, ensuring we understand what is important and practical.

Through close collaboration at every stage of the project lifecycle, SPD delivers tailored solutions that consistently exceed client expectations. SPD provide a comprehensive, one-stop well engineering solution. SPD is both ISO 9001 and45001 accredited. As SPD offer no third party equipment or services all decisions are based on technical merit and cost-efficiency. Being independent also provides the client with the knowledge that any solution will be based on what we believe to be safe, practical and cost-efficient.

Vision: SPD's vision is to be our clients preferred partner and engineering contributor assuring their long-term development and success in the energy sector.

Expertise: SPD was established over 15 years ago and our well engineering expertise in New Zealand's geothermal industry is rooted in a deep understanding of the unique well engineering challenges that characterize this vibrant energy sector. With a team of seasoned engineers, we leverage advanced technologies and innovative methodologies to design, construct, and optimize geothermal wells. Our experience spans the entire lifecycle of well development, from initial feasibility studies and site selection to drilling operations and well integrity. We prioritize safety, environmental sustainability, and cost efficiency in all our projects, Our commitment to excellence positions us as leaders in the geothermal well engineering field. SPD also has an impressive track record serving clients within the APAC region and especially the Philippines.

Superior Performance Design

info@spdgroupltd.com
spdgroupltd.com

TAUHARA NORTH NO.2 TRUST

Tauhara North No.2 Trust is a Ahu Whenua Trust that manages the affairs of the Tauhara North No.2 whenua on behalf of its owners and descendants. The Trust distributes in excess of $1m yearly to its owners and whanau members through a number of grants including, health, education, vocational and sports. As an organisation with a purpose to improve the lives of our whanau, the Trust remains committed to supporting our owners and descendants and continually makes decisions that put their needs first.

Vision: Hold fast to our lands and make the best use of our lands for future generations.

Expertise: Tauhara North No.2 Trust are landowners and kaitiaki (guardians) of geothermal features. This includes Rotokawa and Ngā Tamariki geothermal reservoirs, where geothermal power stations were commissioned in 1997 and 2013 respectively. Tauhara North No.2 Trust has varying equity and leasing agreements with Mercury NZ, a geothermal power generator who operates these sites.

LANDOWNERS

COMMUNITY AND INDIGENOUS CULTURAL GROUPS

TAUHARA NORTH No.2 TRUST

info@tauharano2.co.nz
tauharano2.co.nz

TRAVERSE ENVIRONMENTAL

We're a team of environmental planners and freshwater scientists who have played a hands-on role in shaping the geothermal sector's evolution. We combine planning and science under one roof, bringing a distinct, integrated approach to geothermal projects.

We work across policy, regulation, consenting and engagement. Clients can find us in the office and out in the field, where science, policy, people and the environment intersect.

Our team regularly helps government, iwi / hapū and private clients with a broad range of geothermal and environmental projects, including:

- Geothermal regulation, policy and consenting
- Environmental effects assessment for geothermal generation and direct use projects
- Independent technical support for iwi / hapū
- Low-temperature and direct-use geothermal research and strategy
- Long-term planning, strategy and research for emerging technologies like superhot geothermal.

Vision: Our clients are empowered to deliver outcomes that generate positive and meaningful change in communities and the environment.

Expertise: Our strength lies in building long-term, trusted relationships — with our clients and the communities we work alongside. We often lead complex, multidisciplinary projects and are known for our ability to navigate technical, regulatory and community dynamics with precision and integrity.

Our team brings decades of experience navigating the complexities of sustainable geothermal energy use. We support projects from early strategy through to implementation, with deep experience in:

- Regulatory strategy and resource consents
- Environmental effects assessments and planning
- Iwi / hapū and stakeholder engagement
- Freshwater science and monitoring
- Policy development
- Strategic planning and large-scale infrastructure support

To ensure the best outcomes, we assemble the right team from the outset — drawing on a trusted network of technical experts both in New Zealand and internationally. This collaborative model ensures our clients benefit from the most relevant expertise, tailored to the unique challenges of each project.

PROFESSIONAL SERVICES

Traverse Environmental

info@traverse.co.nz
traverse.co.nz

TŪAROPAKI TRUST

Tūaropaki Trust is a Māori land organisation with an asset base of over $1 billion. The Trust was formed by 297 families amalgamating their land in the 1950's. Beginning in sheep and beef farming, the Trust was an early developer of geothermal power and now has a diverse business portfolio including hydrogen energy production, a geothermal power station, engineering and drilling services, native plant nursery, sustainability centre, as well as dairy, beef and sheep farming. At the core of this organisation is a desire to drive prosperity for their owners and their families, so there is a strong focus on whānau, the future and sustainability.

Vision: Dare to dream - from dreams to enterprise.

Expertise: The Mōkai geothermal energy field is located under the Trust's land where hot rock heats underground water to over 380°C. Tūaropaki Power Company generates 113MW electricity from this field. We sell our energy on the wholesale market, supplying our electricity via the national grid. Ensuring that we manage the geothermal taonga (treasure) in a sustainable and responsible manner is critical to our business. Tūaropaki Trust is a 25% shareholder in joint venture Gourmet Mōkai, a 5.5 ha state-of-the-art climate-controlled glasshouse that was built on Tūaropaki land in December 2002. The glasshouse is heated using steam from the Mōkai geothermal steam field. The Trust is also a cornerstone shareholder of Miraka Limited, a state-of-the-art whole milk powder and Ultra-High Temperature (UHT) plant. Miraka uses renewable electricity and steam from the Mōkai geothermal field to run its processing operations – a world first for the whole milk powder processing industry.

LANDOWNERS

COMMUNITY AND INDIGENOUS CULTURAL GROUPS

TUAROPAKI

info@tuaropaki.com
tuaropaki.com

UPFLOW

Upflow brings geothermal science and engineering into the real world. Experienced in the delivery of large, complex, multi-disciplinary projects, we manage technical, financial and relationship aspects to deliver solutions within commercial timeframes. Research allows us to develop and test scientific concepts and develop commercially-focused outputs. Consulting solves client problems, while providing insights into client needs and informing us on the applicability and adoption of potential innovation projects. These two workstreams, combined with targeted market exploration, problem analysis and technology evaluation, form the foundation of our innovation pipeline.

Vision: We promote the widespread adoption and intelligent utilisation of the full spectrum of geothermal energy resources — to enable multi-sector transition towards sustainable practices. This includes harnessing the potential of heat, fluids, gases, minerals and microbes to develop practical, real-world solutions.

Expertise: Our team provides strategic management of geothermal R&D portfolios for active investors, independent expert review and opportunity assessments for greenfield geothermal developments. We have experience in steamfield design and optimisation, reservoir management, scaling and geothermal gas emission abatement. We are developing a new software package to optimise geothermal operations, and commercialising new ways to use geothermal resources for novel food systems and products. We also guide clients with respect to cultural considerations when engaging with indigenous stakeholders, and pioneer training to dismantle gender stereotypes and promote a culture of inclusivity and equality. Upflow's extensive network of clients, partners and collaborators encompasses geothermal companies, Māori trusts, research organisations, private investors and government entities both locally in Aotearoa New Zealand and internationally.

TECHNOLOGY PROVIDERS AND INNOVATORS

PROFESSIONAL SERVICES

Upflow

info@upflow.nz
upflow.nz

UTREX

Utrex is 100% privately owned and operated in New Zealand and has more than 50 years' history in the New Zealand industrial chemical cleaning market. Beginning with Chemical Cleaning Limited, subsequently acquired by ICI and then Orica, Utrex was formed in 2007 to continue operations to support existing clients both in New Zealand and abroad. The management team has assisted in pre-commissioning cleaning on major oil and gas assets in Australia and New Zealand. Over the last 15 years Utrex has expanded its service offering to include chemical supply, valves, mechanical, HSWA engineering and compliance/producer statements, full turn key shutdown services & design and construction of bulk chemical storage facilities. Ready to respond to your needs, Utrex can cater to a variety of client and customer requirements to provide the best solution for you at the highest standard.

Vision: To build an organisation that executes our mission and grows sustainably, building knowledge and expertise in and from New Zealand to lead the industrial market globally.

Expertise: Utrex plays an important role in servicing the geothermal industry, especially our expertise in geothermal well intervention, chemical cleaning of binary heat exchangers, filtration of pentane circuits and safe gas freeing of pentane systems.

By conducting regular chemical cleaning, we achieve demonstrable results in deposit removal, which significantly enhances geothermal power generation performance.

MAINTENANCE AND OPERATIONS PROVIDERS

EQUIPMENT SUPPLIERS

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utrexltd.com

VERBREC

Verbrec is a leading engineering, asset management, infrastructure and training services provider, operating across the entire asset life cycle. Our experienced team is recognised for its responsiveness and agility. We operate across multiple regions, including Australia, New Zealand, PNG and the Pacific Islands, executing projects for organisations of all sizes. With capabilities that range from concept design to end-of-life management, Verbrec is uniquely positioned to support and understand our clients' priorities in their energy transition goals. Embracing our diversity, agility and scalability, we bring together more than three decades of experience in engineering and operational services to the energy, infrastructure and mining sectors.

Vision: Meeting the future by engineering transformative solutions through full project and asset lifecycles.

Expertise: Verbrec have current and past experience with leading geothermal clients covering process engineering on relief valves & rupture disc modelling, piping modelling & design, heat exchanger analysis, pre-heater designing, water hammer studies and more.

PROFESSIONAL SERVICES

info@verbrec.com
verbrec.com

WELLS

Founded in 1984, Wells is a family-owned business offering a wide range of electrical, instrumentation and automation services. Over the years, Wells has expanded its expertise to include revenue metering, field services, commissioning and maintenance, as well as large-scale project delivery.

Wells specialises in the energy and geothermal sectors, with a strong focus on innovation and leadership in field service technology. Known for its commitment to safety, quality and reliability, Wells serves clients from Kaitaia to Bluff, providing high-quality, efficient electrical solutions tailored to meet the unique needs of each customer.

Vision: Wells is solutions-driven, focused on growth, and committed to safety, quality and integrity. Offering tailored deliverables for customers, Wells' vision is to be NZ's independent service provider of choice.

Expertise: Wells is a key provider of electrical, controls, automation, instrumentation and switchboard design for large-scale geothermal projects in New Zealand. With a skilled construction team, Wells supports customers in remote environments with managing all aspects of a project right through to commissioning and ongoing maintenance. Wells played a pivotal role in the Tauhara Geothermal Generation Project, delivering the main electrical, controls and instrumentation scope with up to 140 staff. Wells' experience also includes the construction of the 50MW TOPP2 geothermal project in Kawerau, enhancing New Zealand's renewable energy capacity.

CONSTRUCTION AND INFRASTRUCTURE DEVELOPERS

MAINTENANCE AND OPERATIONS PROVIDERS

wells
INDEPENDENT SERVICE PROVIDER OF CHOICE

info@wells.co.nz
wells.co.nz

WESTERN ENERGY

Western Energy is a leading provider of specialist well solutions. We pride ourselves on providing expert and comprehensive solutions that maximise value, efficiency and production. We are pioneers of geothermal excellence, driven by a bold vision: to revolutionise the geothermal industry through innovation, collaboration and Kiwi ingenuity. With our headquarters nestled in the picturesque Taupō region of New Zealand, we bring a unique blend of expertise and passion to the global stage. Our unwavering commitment to sustainability and excellence guides every aspect of our work, from pioneering well services to fostering a culture of creativity and environmental responsibility.

Vision: To be the world's leading geothermal services provider.

Expertise: With our wide range of geothermal well services, Western Energy boasts unparalleled expertise in wireline diagnostics, intervention, testing and monitoring. From the inception to the operation of wells, our experienced team ensures exceptional results, pushing the boundaries of geothermal technology through years of accumulated experience. As a New Zealand-based company, we take pride in powering not only our nation's geothermal industry but also playing a vital role in driving the global geothermal revolution.

Whether it's well intervention, wireline & slickline diagnostics, field sampling or consulting, our customised services will unlock the full potential of your geothermal assets.

SUBSURFACE RESOURCE ASSESSMENT AND DRILLING

MAINTENANCE AND OPERATIONS PROVIDERS

Western Energy

info@westernenergy.co.nz
westernenergy.co.nz

WHAKAREWAREWA

Whakarewarewa Village is the legacy and home of the Tūhourangi Ngāti Wāhiao people, who have been sharing their unique way of life with visitors from all around the world for over two hundred years.

Able to trace their ancestry back to the Te Arawa people who first occupied the valley in 1325, generations of guides have been pioneering leaders of tourism in New Zealand. Since the early 1800's they have been hosting and welcoming guests into their homes and backyards, sharing insights into Māori culture, as well as demonstrating the utilisation of the natural geothermal wonders for cooking, bathing and heating. The continuing use of the natural geothermal landscape of the valley continues to delight and fascinate tourists visiting Whakarewarewa today.

Vision: "Rangatira for Tūhourangi Ngāti Wāhiao" - we wish to be leaders for the Tūhourangi Ngāti Wāhiao people by preserving our culture and honouring the legacy of the generations that have come before.

Expertise: Our experience of living with the geothermal taonga (gift) brings together a Mātauranga Māori Kaupapa (Māori knowledge framework) with modern science, spanning earth sciences, ecology, biodiversity, health, environment and climate change.

We draw on hundreds of years of indigenous knowledge, combined with contemporary Māori research, and western scientific knowledge. This includes historical and contemporary understandings of this special environment, the forces that have shaped the whenua (land) and the features, plants and animals that inhabit the land today.

Whakarewarewa runs environmental & restoration programmes, which we work alongside other organisations to preserve, use and enhance the whenua (land) for today and future generations.

COMMUNITY AND INDIGENOUS CULTURAL GROUPS

LANDOWNERS

THE LIVING MĀORI VILLAGE
Whakarewarewa

info@whakarewarewa.com
whakarewarewa.com

WILDLAND CONSULTANTS LTD

Wildland Consultants Ltd is a progressive ecological consultancy committed to providing high quality ecological information, advice and technical services to a wide range of clients. The company has a very strong focus on the planning and implementation of ecological restoration. Company staff are based in Northland, Auckland, Hamilton, Tauranga, Rotorua, Wellington, Christchurch, Dunedin and Invercargill and work nationwide.

Vision: To be New Zealand's premier ecological provider, making a real difference for people and te taiao/the environment, with a reputation based on outstanding services and impeccable integrity.

Expertise: New Zealand's premier provider of geothermal ecology expertise, we have undertaken regular detailed botanical surveys and assessments of geothermal vegetation at nearly all geothermal sites in the Taupō Volcanic Zone since 1985. Expertise includes but is not limited to: vegetation mapping (including assessment of change of extent), threatened & rare plant survey and monitoring in geothermal habitats, significance assessments, monitoring of geothermal vegetation & habitats (particularly against consent conditions), assessments of ecological effects on geothermal habitats for development & extraction, ecological restoration plans, and pest plant & animal control in geothermal areas. Inventory of all geothermal vegetation and habitats in Taupō Volcanic Zone. Impeccable safety record of working in geothermal areas. Record of scientific publications on geothermal ecology.

PROFESSIONAL SERVICES

Wildlands
Ecology and Restoration

rotorua@wildlands.co.nz
wildlands.co.nz

WILSON GEOTHERMAL CONSULTING LTD

Wilson Geothermal Consulting Ltd. specialises in geothermal drilling engineering, covering well design, intervention and abandonment. We also provide A-Grade bore manager services to ensure wells are drilled and managed safely and efficiently. With a background in chemical engineering and hands-on experience in the field, we tackle everything from planning new wells to troubleshooting and maintaining existing ones. Whether it's optimising performance, solving technical challenges or ensuring compliance, we offer practical, reliable solutions for geothermal projects of all sizes.

Vision: To lead the advancement of geothermal energy by providing expert well design and intervention solutions that enhance efficiency, safety and environmental stewardship. We are committed to empowering our clients with innovative consulting services that drive the global transition to sustainable, renewable energy sources.

Expertise: Wilson Geothermal Consulting Ltd. has been a key player in New Zealand's geothermal industry for 20 years, contributing to every major field development since 2006. We specialise in well design, interventions and chemical treatments to enhance well performance and longevity. Our expertise includes scaling and corrosion mitigation, as well as innovative approaches to geothermal well maintenance. We pioneered live well cleanouts and rigless interventions in New Zealand, providing cost-effective solutions that minimise downtime. With deep industry experience and a hands-on approach, we help optimise geothermal assets and keep projects running smoothly.

SUBSURFACE RESOURCE ASSESSMENT & DRILLING

PROFESSIONAL SERVICES

Dan@wilsongc.co.nz

WOMEN IN GEOTHERMAL (WING) NEW ZEALAND

Women in Geothermal is a volunteer, not-for-profit organisation whose aim is to promote the education, professional development and advancement of women in the geothermal community. Within New Zealand, our members, allies and partners form a collective voice that advocates for an equitable, inclusive and connected culture. We empower all people to break down barriers so that everyone in the geothermal sector can realise their full potential. We do this through driving initiatives that uplift women and challenge the gender biases that are ingrained in our industry, such as proposing equitable policies and recruitment practices. WING New Zealand also hosts events, webinars and workshops relating to these themes and to offer its members networking and professional development opportunities.

Vision: By igniting the passion and courage that will make the geothermal community a global model for equality the aim is to one day become redundant, where no group needs to advocate for gender equality.

Expertise: WING is the only organisation focused on achieving gender equality in the geothermal community. Within New Zealand, we have 500+ members of which over 40% are male. WING NZ's important accomplishments from its inception in 2013 to present include developing the WINGman special task force training program, Project Matua which studied and recommended improvements for more equitable parental support and flexible working arrangements, and Diversity in Recruitment guidelines made available to companies in the geothermal industry. In late 2024 WING NZ took a large and important step by registering as an Incorporated Society which will enable further progress and growth for the Chapter.

COMMUNITY AND INDIGENOUS CULTURAL GROUPS

NewZealand@womeningeothermal.org
womeningeothermal.org/chapter/new-zealand/

WORLEY

PROFESSIONAL SERVICES

Worley is a leading global provider of professional services to the resources & energy sectors and the complex process industries.

In New Zealand, Worley support our clients across the project lifecycle, from strategy development, through concept evaluation & selection to project delivery and construction. We offer front-end and detailed design, program and project management, plant operational optimisation as well as commissioning and decommissioning services.

Worley New Zealand draws on its international topic experts, including the power services team, to help clients successfully achieve the outcomes they have prioritised.

Vision: Delivering a more sustainable world.

Expertise:

- Piping design including multiphase flow from wells to power station including hook-up to re-injection wells.
- Structural and civil engineering/design – geotech, platform design, power plant structures.
- Mechanical engineering and design.
- Process engineering and design.
- Major hazard safety assessment, consequence modelling, Process Safety Management (PSM).
- Electrical engineering (including LV/MV infrastructure, cabling & transformers and auxiliary systems), DC systems, UPS auxiliary.
- Substation design including step up transformer, protection and grid connection (primary & secondary design), civil design.
- Control system (SCADA and HMI), plant control, communications, security systems, cyber security.
- Digital twin development.
- Design verification/producer statements .
- Project delivery: project & construction management, procurement, HSE, QAQC – covering site activities and procurement including FAT & SAT.
- Co_2 recovery, upgrading and use.

infoNZ@worley.com
worley.com

YOKOGAWA

TECHNOLOGY PROVIDERS AND INNOVATORS

PROFESSIONAL SERVICES

Established in 1915, Yokogawa is a leading provider of Automation, Safety, Instrumentation, Cloud, Data Analytics and Renewables Energy Management solutions. Combining ultra-reliable technology with engineering excellence, Yokogawa delivers field proven operational improvement, safety, quality, and reliability.

With a continuous presence in New Zealand for twenty-five years, we have been improving process measurement and control solutions across industries through the provision of products and solutions designed for accuracy, longevity and ease of maintenance. Our reputation for quality, reliability and measurement excellence, even in the harshest of environments, is also backed by our New Zealand warehouse and service team, ensuring all of your current and future needs are readily addressed.

Vision: Through autonomy and symbiosis, Yokogawa will create sustainable value and lead the way in solving global issues.

Expertise: With a presence in the region for twenty-five years, we have been improving the lives of everyday New Zealanders through the provision of engineering solutions and products to key industries and critical infrastructure. Through provision of our ultra reliable process measurement technologies, Yokogawa has helped to improve the availability of geothermal power generation projects while enhancing maintenance efficiency. Our resilient transformation approach to improving your operations not only utilises our fit-for-purpose technology but delves into the best-in-class expertise which is the foundation for some of the world's most successful Power generators.

nz.enquries@yokogawa.com
yokogawa.com

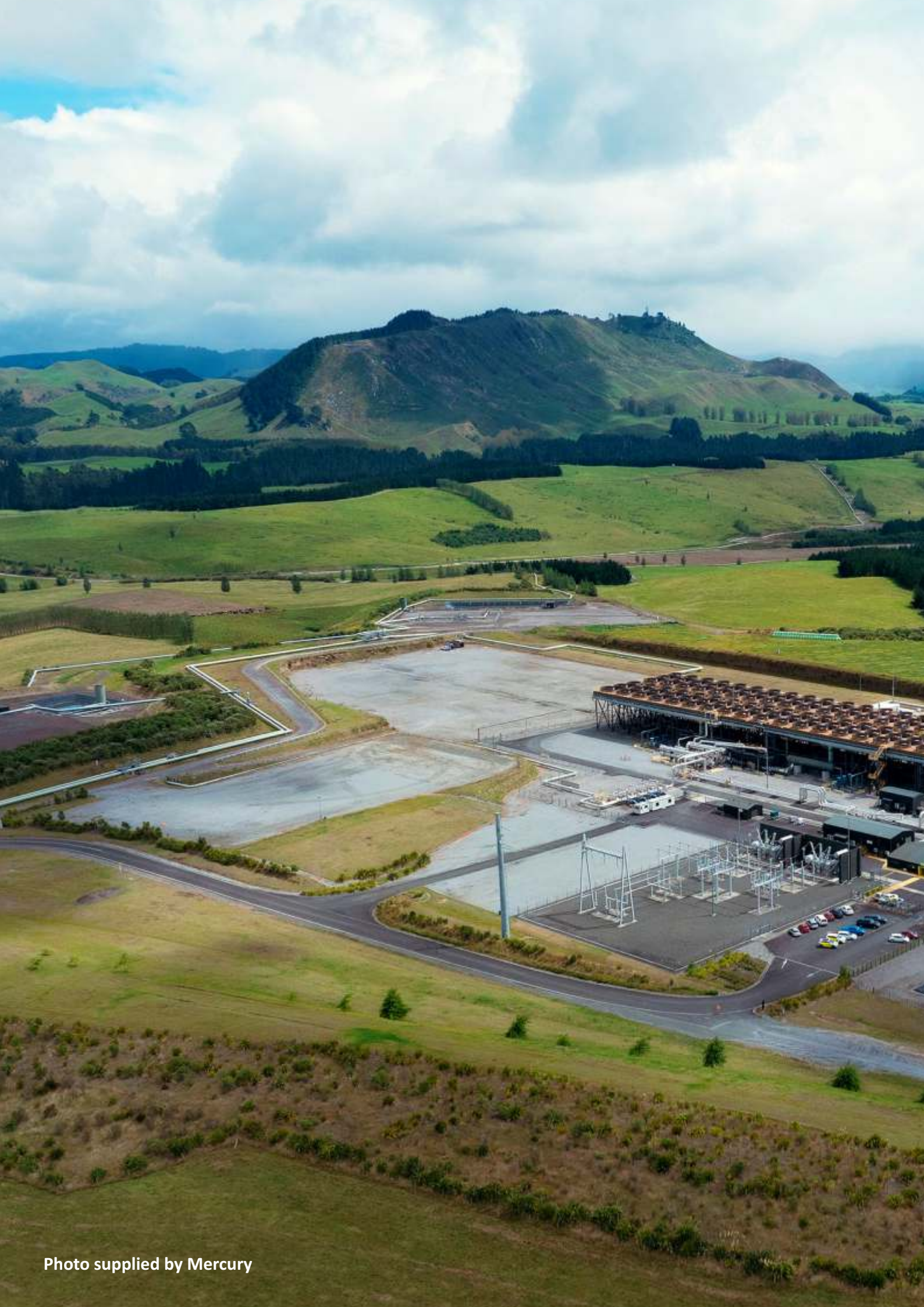

Photo supplied by Mercury

GLOSSARY

Geothermal Industry categories

- **Community and Indigenous Cultural Groups:** Local communities and indigenous groups affected by geothermal development. Their involvement ensures projects respect cultural heritage, foster equitable benefits, and maintain social license to operate.
- **Landowners:** Landowners play a critical role in providing access to the land where geothermal resources are located. They are key stakeholders who may hold surface and/or subsurface rights and often collaborate with geothermal developers to ensure sustainable and mutually beneficial use of the resource.
- **Research, Development, and Capability Building:** This category encompasses the institutions, organisations, and individuals involved in advancing geothermal technologies, scientific research, and industry best practices. It includes universities, research centres, and training providers working on innovative solutions, workforce upskilling, and knowledge sharing to improve geothermal exploration, extraction, and utilisation processes.
- **Technology Providers and Innovators:** Companies, research labs and entrepreneurs that develop cutting-edge technologies to improve geothermal energy efficiency, enhance exploration accuracy, or enable new applications such as geothermal energy storage or hybrid systems.
- **Funding and Investment Entities:** Financial institutions, private equity firms, government grant programmes, and venture capitalists that provide funding for geothermal exploration, development, and innovation. They play a critical role in supporting early-stage projects and scaling the industry.
- **Regulatory Bodies:** Regulatory agencies oversee the geothermal industry to ensure compliance with environmental, safety, and operational standards. They manage resource consents, monitor sustainable use of geothermal reservoirs, and enforce regulations that protect ecosystems and communities while enabling industry growth.
- **Policy Makers and Government Agencies:** In addition to regulators, this category includes government departments responsible for setting energy policies, offering incentives, and integrating geothermal energy into national energy strategies.
- **Subsurface Resource Assessment and Drilling:** This category involves specialists and companies that evaluate geothermal reservoirs and undertake drilling operations. Activities include geophysical surveys, resource modelling, well planning, and the actual drilling of geothermal wells to access steam or hot water for energy production or other applications.
- **Professional Services:** Professional service providers include consultants, legal advisors, financial analysts, engineers, and other experts who support project planning, development, and execution. They deliver critical expertise in areas like project feasibility, environmental impact assessments, legal frameworks, and risk management.
- **Equipment Suppliers:** These are manufacturers and vendors of specialised equipment used in geothermal exploration, drilling, power generation, and direct-use applications. Equipment may include turbines, heat exchangers, drilling rigs, casing, pipes, values, pumps and control systems tailored to geothermal applications.
- **Construction and Infrastructure Developers:** Firms specialising in the construction and development of geothermal plants, pipelines, and other supporting infrastructure. This includes civil engineering companies and contractors involved in site preparation, wellfield construction, and power plant installation.
- **Maintenance and Operations Providers:** Companies and professionals offering ongoing maintenance, monitoring, and optimisation services for geothermal plants, wellfields, and equipment. They ensure the reliability and efficiency of geothermal systems throughout their lifecycle.
- **Utilities:** Utilities are entities that own and operate geothermal power plants or district heating systems. They play a vital role in converting geothermal energy into usable forms such as electricity or heat and delivering these to consumers through established distribution networks.
- **End-Use Resource Customers:** These are the industries, businesses, and individuals that consume geothermal energy for various applications. Examples include electricity consumers, agricultural businesses using geothermal heat for greenhouses, and industrial operations leveraging geothermal energy for drying, processing, or other purposes.

DISCLAIMER

The information contained in this Geothermal Companies Directory is accurate to the best of our knowledge as of 18 April 2025. The content has been compiled from publicly available sources and company-provided information, and aims to reflect the capabilities and involvement of organisations across the Aotearoa New Zealand geothermal value chain.

While every effort has been made to ensure the accuracy and currency of the information at the time of publication, no guarantee is given regarding its completeness, reliability or suitability for any particular purpose. Inclusion in this Directory does not constitute an endorsement or recommendation of any organisation, product or service by the publisher.

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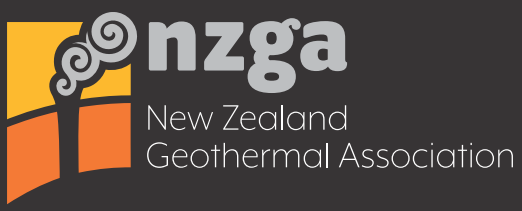
If your organisation is listed and you would like to request an update or correction, or if you wish to be included in future editions, please contact committee@nzgeothermal.org.nz.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New Zealand
Geothermal Association


NEW ZEALAND