



find better ways.

Engineering | Projects | Capital | Software

Auckland ■ Hamilton ■ Tauranga ■ Christchurch



Company Profile // 2019

Introduction

At the heart of our business, innovation is who we are, finding a better way is why we exist and providing progressive engineering and project solutions is what we do.

You'll never get yesterday's answers. We find better ways by investing the time to develop and apply new technology so we can deliver unbiased professional advice to enable informed, accurate decisions.

Our company was founded to challenge the norm and push boundaries so we can bring our clients advanced engineering and project solutions. That's why every project is propelled by the question "how can we add value?"

We believe quality relationships create superior outcomes. We take pride in maintaining a high degree of professionalism and integrity while working collaboratively with our clients on a personal level.

Established in 2006, Our expert team of over 110 staff cover New Zealand nationwide and have offices centred in Auckland, Tauranga, Hamilton and Christchurch.

We have vast experience in many industries including commercial, residential, education, industrial, agribusiness and petrochemical; providing expertise across structural, civil, geotechnical, fire and environmental engineering, project management, quantity surveying, architecture design, fabrication design, BIM, funding, acquisitions, development and investment opportunities.





CONTENTS

About us	01
People and culture	05
Locations & Clients	11
Capability	13
Approach	29
Gallery	33

OUR PURPOSE

find better ways.

OUR MISSION

"To Partner with our clients, delivering value from aspiration to creation through excellence and innovation"

OUR VISION

"Strategic growth through increased efficiencies, providing excellence in services, moving into new markets and adding value"





Enthusiasm is important

At Kirk Roberts, our clients experience the emphasis we put on enthusiasm. We don't believe in providing anything stock standard and are passionate about pushing boundaries to deliver leading engineering and project solutions.



KIRK **ROBERTS**
CONSULTING

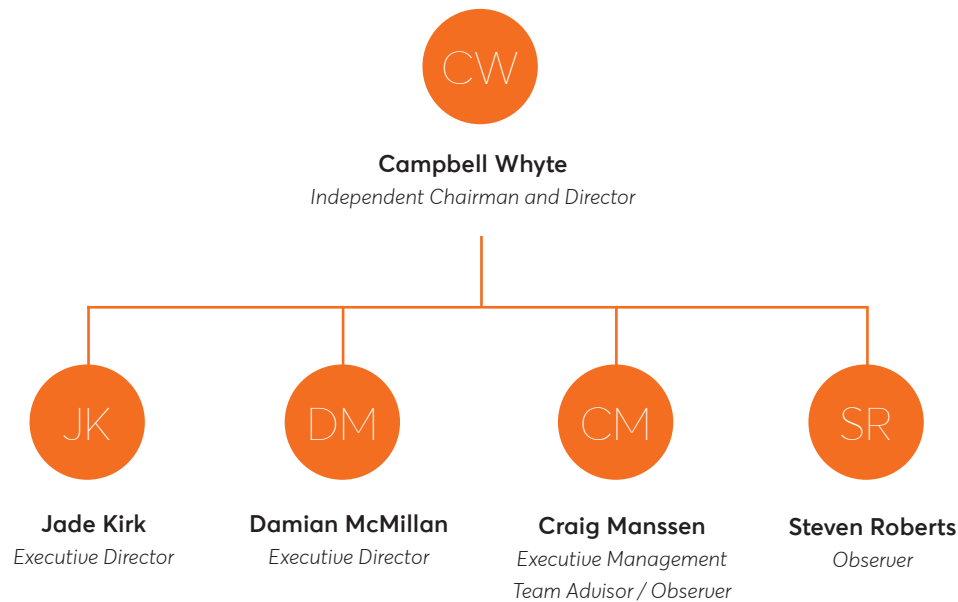


Our Team

We are solution finders. Our team are a dynamic force bringing a genuine sense of innovation and 'can do' attitude to modern engineering challenges.

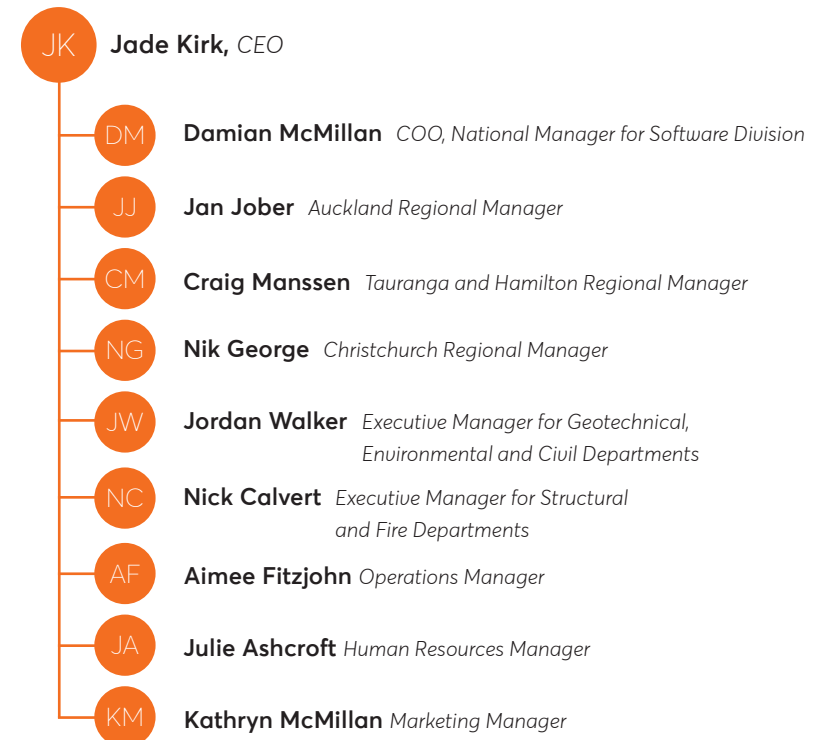
BOARD OF DIRECTORS

In 2016 the founding Directors of Kirk Roberts initiated a restructuring process. A Board of Directors was appointed as the first stage of restructuring to allow for robust corporate governance as the company continues to grow.



EXECUTIVE MANAGEMENT TEAM

Our Board of Directors is supported by our Executive Management Team and an expert team of over 110 staff who cover New Zealand nationwide from offices centred in Auckland, Tauranga, Hamilton and Christchurch.







The Kirk Roberts Share Trust

INVESTING FOR THE FUTURE OF OUR EMPLOYEES

Innovative thinking extends beyond what we do for our clients into how we structure and run our own business. We have established a Share Trust within the company ownership structure to invest for our staff and provide an opportunity for employees to take an active role in the development of the company.

The Share Trust allows employees to have additional benefits and prosper from the financial achievements of Kirk Roberts Consulting.



The share trust currently owns 10% of the company as a net asset.

GOALS FOR THE SHARE TRUST

- Share the profits of our business with all employees.
- Establish an investment portfolio that generates long term capital growth.

THE EMPLOYEE COMMITTEE

The Kirk Roberts Employee Committee (KREC) was formed in 2016 to represent the interests of all Kirk Roberts employees. The committee is democratically elected by our peers and welcomes initiatives/ideas from employees on how to create and maintain the best possible working environment for all.

The KREC is responsible for;

- Managing Share Trust funds, with an emphasis on profit sharing while maintaining capital investment for long term growth.
- Representing Kirk Roberts employees at Board meetings.
- Determining a yearly budget for social activities and presentation of this to the Board for approval.
- Organisation of monthly social activities for Kirk Roberts staff, and mid-winter and Christmas functions for Kirk Roberts staff and partners.
- Working with senior management to provide the best possible office environment for professional development and personal well-being.
- Offering the opportunity for staff to participate in team sports or individual sporting activities.
- Adopting employee initiatives that promote social interaction/team bonding.
- Organisation of events/activities that will benefit the community in which we work, such as local charities or schools.



 **KIRK ROBERTS**
CONSULTING

A person wearing a brown and white checkered shirt is working at a desk. Their hands are visible, one resting on a wooden ruler and the other near a red measuring tape. A yellow hard hat is in the foreground. The background is a bright, out-of-focus window. A large white diagonal shape covers the right side of the image, containing the text.

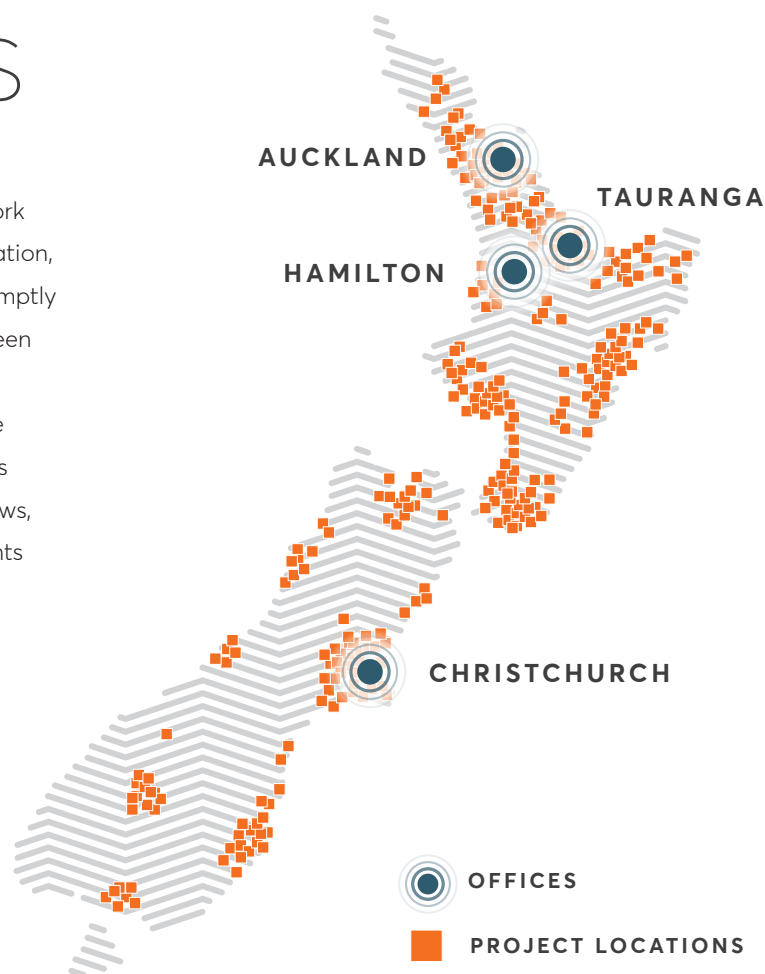
We are solution finders

Engineering challenges warrant innovative solutions – it's our job to find them. We look to add value by innovation and technology and look at the overall solution in order to present you with options; delivering unbiased professional advice to enable informed, accurate decisions.

Locations

With four main centres nationwide and a network of staff that carry out work remotely in any location, Kirk Roberts can be in your neighbourhood promptly and efficiently. Our staff frequently travel between offices to ensure projects run smoothly and in a timely matter. In addition, a strong team culture is cultivated between localities which in turn has proven to foster wider network efficient workflows, all of course driven by our passion to bring clients progressive solutions.

Projects that are innovative and demanding aren't always in our own back yard. We are always on the move around New Zealand to source, secure and work with our clients that share our enthusiasm for pushing boundaries.





Capability Overview

Kirk Roberts is comprised of four complementary but separate divisions.

KR ENGINEERING

KR Engineering is made up of experienced engineers, technicians and draughts people to cover all departments of Structural, Geotechnical, Civil, Environmental and Fire. Economical designs, decisive solutions and progressive engineering, tied together through a single point of contact to make the process easy and clear, which delivers unsurpassed results for our clients.

KR PROJECTS

KR Projects is made up of experienced project directors, project managers, architects, design technicians, BIM experts and quantity surveyors. From the very beginning we aim to build value into every part of a project and deliver an inspired solution.

KR CAPITAL

KR Capital provides investors with a diverse scope of property investment opportunities and facilitates those investments by providing clients with a complete managed commercial investment opportunity.

KR SOFTWARE

KR Software is made up of experienced programmers, engineers and support staff. Creating software solutions that are functional, accurate and add value is made possible through our unique combination of first-hand experience of knowing how engineers, architects and designers think, and a clear understanding of how that translates into a digital user experience.





KR Engineering

Engineering challenges warrant cost-efficient, innovative solutions - it's our job to find them.

We look at the overall solution, presenting you with options; delivering unbiased professional advice to enable informed, accurate decisions. Economical designs, decisive solutions and progressive engineering, tied together through a single point of contact to make the process easy and clear, which delivers unsurpassed results for our clients.

OUR SERVICES INCLUDE



Structural



Geotechnical



Civil



Environmental



Fire



STRUCTURAL

From feasibility to structural testing, we advise and provide designs for every type and scale of project.

We have expertise in engineered timber, concrete and steel structures, providing innovative, damage resistant outcomes that add real value throughout the life of the building. We have award winning projects across New Zealand and across sectors, proof that Kirk Roberts Consulting offer not only solutions, but we find better ways of engineering for New Zealand.

Our services include:

- Engineering reviews based on cost effectiveness and value
- Expertise across multi-storey engineered timber, concrete and steel structures.
- Innovative and damage resistant engineering design
- Structural reliability and risk analysis
- Seismic strengthening

Engineering challenges warrant cost-efficient, innovative solutions - it's our job to find them. We look at the overall solution, presenting you with options; delivering unbiased professional advice to enable informed, accurate decisions.

Working alongside our Geotechnical, Civil, Environmental and Fire teams gives us the ability to identify and consider other issues which may come up during earthworks or foundation excavations. With our wide range of experience in differing geological conditions, we are perfectly suited to identifying the most cost effective foundation, or ground improvement, solution for your project.



GEOTECHNICAL

Our significant experience and expertise, and innovative use of technology, combined with comprehensive analysis, provides investigations and solutions that result in solid foundations every time. Our Geotechnical team has over 75 years of experience across all regions of New Zealand, we've completed slope stability assessments from Doubtless Bay to liquefaction analyses in Invercargill and everywhere in between.

Our services include:

- Geotechnical testing and reporting including liquefaction analysis
- Deep and shallow foundation investigation and design
- Retaining wall and slope stability analysis
- Sheet pile design for basement structures
- Site stability assessments and design
- Geotechnical reporting to support Building and Resource Consent applications.
- Reduce unexpected costs during construction from unforeseen ground conditions.
- Meet regulatory requirements for identifying geotechnical hazards to intended building or land development projects.

Working alongside our Environmental and Civil teams gives us the ability to identify and consider other issues which may come up during earthworks or foundation excavations. With our wide range of experience in differing geological conditions, we are perfectly suited to identifying the most cost effective foundation or ground improvement solution for your project.

Our team of 20 geotechnical engineers use sound engineering principals and engineering judgment to develop cost effective foundation solutions for your project.



CIVIL

Our Civil team work hard to deliver cost effective civil solutions to the built environment.

Our Civil Engineering team has a wide range of experience from individual residential sites, to large commercial and industrial developments including land subdivision. By using sound design principals and industry best practice we find better ways.

Our services include:

- Pavement design
- 3-Waters (Stormwater, Sewer and Potable Water) design and analysis
- Infrastructure Development Reports and Subdivision Design
- Roads/car parking/heavy traffic yards
- Earthworks Supervision

- Retaining walls
- On-site Effluent Treatment and Design

Working alongside our Geotechnical and Environmental teams gives us the ability to pre-empt and consider issues to the project design.

ENVIRONMENTAL

Our Environmental team work hard to protect human health and the environment while also reducing unexpected costs during construction and earthwork activities.

With over 20 years of combined industry experience, the Environmental team at Kirk Roberts can assist you in identifying potential contaminants, or their pathways, which may impact on your development. During construction the presence of unknown contaminants can not only endanger the workers on-site and the general public, but add significant time delays and cost, in trying to rectify or remediate.

Our services include:

- Contaminated land assessments to National Environmental Standards
- Site remediation work
- Site Management Plans
- Environmental Management Plans
- Construction Monitoring

If an environmental consultant is engaged early on, potential issues can not only be identified, but a solution can be incorporated into the construction program. Site testing, historical reviews, soil, groundwater analysis and reporting are brought together.

Working alongside our Structural, Civil and Geotechnical teams gives us the ability to identify Environmental solutions that can be developed in co-ordination with the overall building design.

FIRE

We provide fire engineering design services for buildings of all sizes and levels of complexity from residential units to multi-storey office and commercial developments.

Kirk Roberts is at the forefront of the movement within the fire engineering industry to address the issues associated with passive fire protection. We only work with trusted passive fire protection specialists to ensure our clients are protected from costly project delays resulting from the use of incorrect products or installation methods. The end result of this is a building that is safe for occupants to live in, work in or occupy for any reason.

Our services include:

- Utilisation of several computer modelling programs to carry out analysis
- Performance based alternative fire design and specific engineering design solutions
- Existing building review and assessments for compliance
- Designs to achieve Code of Compliance using the NZBC Acceptable Solutions documents C/AS1 – C/AS7
- We use Verification Method C/VM2 for buildings that have more complex characteristics and require a performance based fire engineering design approach
- Alternative solutions for buildings that require specific fire engineering consideration.
- Fire engineering is becoming an increasingly important discipline within the construction industry both in New Zealand and internationally. Recent high profile fires in the UK, Australia and the Middle East have highlighted the need for comprehensive fire engineering design to provide the maximum level of life safety possible, while still allowing for architectural freedom and building usability.

Our fire engineers are experienced in the use of several computer modelling packages. This enables us to carry out analysis of fire and smoke spread within buildings, occupant evacuation and radiation analysis to determine the requirements for protection from spread of fire to adjacent title boundaries.

We provide designs for buildings that meet the architects vision, the clients budgetary requirements and the end users right to frequent a safe building in the knowledge that no corner has been cut in relation to their safety from fire.

KR Projects

People, planning, process and passion - we bring them together to ensure highly successful projects.

From the very beginning we aim to build value into every part of a project and deliver an inspired solution. We provide professional consultancy services for many types of project, and, unlike a standard project management company, our specialist expertise and resources means we can participate strongly within the commercial development phase.

OUR SERVICES INCLUDE



**Project
Management**



Design



Fabrication



BIM



**Quantity
Surveying**







PROJECT MANAGEMENT

People, planning, process and passion - we bring them together to ensure things are done once and done right. We advise on and co-ordinate the optimal development strategy that aligns stakeholder objective with external influences.

We resource each project with the best people in order to maximise quality, minimise risk, create value and expedite completion. Our project managers take ownership of the programme and manage the consultant and construction teams during the design and build of a project.

With one point of communication, liability and responsibility from start to finish, we deliver the kind of synergy that results in a quality project that is completed on time and within budget. Backing each project manager is a large and experienced team equipped with a wealth of knowledge, a wide skill set and a solution-focused approach.

From quality relationships arise superior outcomes so we take pride in maintaining a high degree of professionalism and integrity while working collaboratively with our clients. These strong relationships ensure we understand all requirements and can focus on the important aspects of the project, applying skills and resources effectively to deliver the most appropriate solution.

Furthermore, through effective relationships with a range of finance providers and an understanding of mortgage funding, we can also assist in securing first or second mortgage funding. Our relationships with equity and joint venture partners means we can facilitate progressing projects at a stage where traditional funders cannot. Crucially, we are also able to structure our requests for funding in a format that provides banks and financiers confidence in our ability to highlight the key financial elements of any project.

Our Projects Division operate under the globally recognised Project Management training framework of the Project Management Professional (PMP) educational platform. Project Management Institute (NZ Chapter). Design



QUANTITY SURVEYING

We believe success lies in investing in our technical expertise. Our advanced technology and processes mean our clients get accurate results, and benefit from the minimising of mistakes and maximizing of time and cost efficiencies long-term.

Our Quantity Surveying team are leaders in providing our clients with a thorough and integrated service offering in conjunction with our entire company services. Where we

differ from other Quantity Surveyors is that our team are in house, which means our clients get the best value by utilising our closely integrated processes and systems.

- Pre-construction Phase
- Feasibility and strategic planning
- High level estimating, cost planning and elemental estimating
- Early contractor engagement, procurement strategies and management
- Cash flow forecasting
- Tender management
- Tender analysis and recommendations
- Contract documentation and final contractor engagement
- During and post-construction phase
- Assessment of payment claims
- Forecast to complete
- Administration, assessment and contractor negotiations of variations

Our team deliver full (or partial) management of the complete development budget. From land acquisition right through to the defects period, including all consultant, marketing, due-diligence and construction budgets (or part thereof).



DESIGN

With one point of communication, liability and responsibility from start to finish, we deliver the kind of synergy that results in a quality project that is completed on time and within budget. Backing each design manager is a large and experienced team equipped with a wealth of knowledge, a wide skill set and a solution-focused approach.

Our services include

- Concept design
- Preliminary design
- Developed and detailed design
- Hydraulic design
- H1 compliance
- Design co-ordination and QA
- Consent application and management
- BC Application

Our team within the Projects Division include professional, talented and experienced Architects, architectural designers and architectural draughting personnel. Our clients

value our integrated approach that sees Design cohesively sit alongside Project Management, Fabrication Design, BIM and of course Quantity Surveying to deliver better design solutions.



FABRICATION DESIGN

We find better ways by investing the time to develop and apply new technology. And we have a passion for providing value engineering through leading edge innovation and progressive solutions that maximise efficiencies.

Our Fabrication Department uses Tekla Structures software to offer clients complete documentation for their project build. By offering this service in house our clients benefit by having comprehensive quality control integrated with superior coordination across all departments that their project requires.

Our services include

- Reduce 99% of errors on-site
- Full reinforcing bar scheduling for all precast and in situ items including foundations
- The ability to output full reports (every bolt, screw and plate in the whole project)
- Complete clash detection ability
- Change detection from other IFC model (architectural changes are highlighted)
- Extremely accurate modelling of projects including all bolts, plates, welds, holes and reinforcing bars

We save clients' time and aggravation by troubleshooting in house which means resolutions are much faster and directed immediately to the Design Department team. Our clients gain significant value by utilising our Fabrication Department in conjunction with our other departments of Project Management, Design, Quantity Surveying and BIM.



BUILDING INFORMATION MODELING

We support our clients to spend the time to plan their project well, design for innovation and accuracy, find better ways to provide efficient and cost effective design while controlling programme and cost.

Our BIM team are leaders in 3D design documentation and have been for some time in all aspects of our business. Aside from practical project documentation, BIM management is a fundamental extension of design documentation and is the next generation of design and project delivery.

BIM is a process that begins with creating an intelligent 3D design model from our core drawing suite. We use that model to facilitate coordination, simulation, and visualisation. Our clients get the best understanding of their building and we improve how buildings are planned, designed, built, and even managed once completed.

BIM can alleviate many of the business challenges that our customers face by providing greater project insight earlier in the design and construction process to help them make more informed decisions.

BIM information is coordinated and consistent which creates efficiency throughout the project life cycle.

BIM improves planning, cost forecasting, project control and links to other construction based software for example CostX for accurate estimating, procurement and construction waste management.

BIM makes it easier for teams to collaborate and communicate which can often be the catalyst to multi discipline design management. It assists in construction phasing and provides continuity to allow contractors a clear insight into the building construction process.

BIM facilitates effective design to avoid on-site construction issues caused by poor coordination. This eliminates clashes of services and structure which in turn circumvents redesign which avoids programme slippage and cost variation.

Building detailing can often be misinterpreted within a 2D paper environment so at Kirk Roberts we encourage contractors to coordinate and construct in a "virtual" space by constructing within a federated model to better understand the building and its connections. BIM is an excellent way to offer this level of complex understanding in real terms on-site.

The BIM process is managed by one of our experienced BIM managers through a documented BIM Execution Plan. Through this process the Level of Development (LOD) is considered and documented to achieve the design output required and agreed for the project. This level of engagement can be confined to clash detection on the primary services routes right through to as much detail as required to LOD 500 to link into a clients' Building Management System. We provide all departments in BIM LOD 350 as a minimum. All KR shop drawings are supplied at LOD 400, ready for construction.

BIM is the way of the future and while cost is always carefully considered in any Kirk Roberts project, the value of effective BIM management is recognised by the overall efficiency of the total project delivery.



KR Software

As a division of Kirk Roberts Consulting, we are driven to find better ways of providing progressive engineering and project software solutions. Our genuine sense of innovation and 'can do' attitude towards modern engineering challenges sees us develop bespoke software solutions for a range of clients such as construction/building industry manufacturers and suppliers. To increase efficiency and strengthen lead and sales potential, these software tools enable architects and designers to easily specify their products.

Our services include:

- Design custom software for the building and construction industries
- Create functional and accurate design tools
- Work closely with businesses in both service and product fields
- Supply software that is going to revolutionise business operations online across industries



In 2018 the KR Software Division launched a revolutionary platform for the New Zealand building industry.

Prior to this, Kirk Roberts undertook five years of research, development, innovation, industry engagement with territorial authorities, architects, architectural designers and building companies.

Specifi is a highly intelligent online tool that can decrease time delays and provides a cost-efficient option when clients are looking to engage with an engineer's expertise – yet maintain the same quality assurance as if you were dealing with them in person.

Specifi is the complete New Zealand online structural engineering software which allows users to design intelligent residential engineering solutions in-house for a wide range of structural elements without consulting directly with a professional engineer, saving time and money.

KR Capital

Our focus is to provide investors with sustainable and growth assets, develop turnkey projects, capital and developments for key industry tenants.

KR Capital works hard with businesses, current property owners and future property owners to provide high-value customised built solutions.

KR Capital has been developed from a strong local specialised team of professionals. Our purpose is to research, find and offer to investors an opportunity to grow their current commercial portfolio. Or if new to property investment, we'll work with the stakeholder to ensure a smooth path of joining in on our development opportunities within KR Capital's evolving and growing portfolio.

KR Capital provides expert financial engineering, project/development feasibilities, acquisitions, capital raising, strategic planning, tenant liaising, syndication, design and engineering along with the build. We are well placed to provide assistance throughout the entire property development and ownership arena. We create

positive wealth opportunities through the collective skills of the team and its Advisors. Whether the predicament is a structural upgrade, damage mitigation, repair, design and build, or a financial investment of single or multiple properties, KR Capital has the capabilities to lead the process to a successful conclusion.

KR Capital provides investors with a diverse scope of investment and development opportunities and facilitates those investments by providing clients with a complete managed commercial investment opportunity from start to finish. Over the last four years we have developed in excess of \$80 million dollars of commercial investment opportunities and properties in the Canterbury region and beyond. We are currently looking for more opportunities across New Zealand.

OUR SERVICES INCLUDE



Acquisitions



Funding



Development



Investments







A photograph of a modern, multi-story building at dusk. The building features a mix of dark blue, light blue, and beige panels. Large windows are illuminated from within, showing interior lights and some furniture. A white car is parked in the foreground on the left. The sky is a deep blue. A large white diagonal line cuts across the image from the top left to the bottom right, separating the image from the text on the right.

A passion for making the complex achievable

Our team are a dynamic force, bringing a genuine sense of innovation and 'can do' attitude to modern engineering challenges. Our approach is to proactively utilise advanced technology and processes to identify all opportunities to reduce costs and give our clients options to difficult challenges.

Sectors we work in

We have experience working in many different sectors across New Zealand. If you have a specialised project you need our help with, you can expect...

COMMERCIAL

Our commercial portfolio includes some of the largest and most significant companies and exporters contributing to New Zealand's economy. From single-story office and retail facilities to multi-storey and multi-tenanted commercial buildings, business parks and expansive portal frame warehouses, our work can be found across most regions of New Zealand.

EDUCATION & RECREATION

We've been heavily involved in the education and recreation sector all around New Zealand with clients that include the Ministry of Education (MOE), and other government funded academies, institutes, trusts, sports clubs, private sector educational institutes and swim schools, among others.

RESIDENTIAL

Our structural and geotechnical engineering expertise has been called on time and again for many high-end residential homes and multi-unit town-house developments. We're pleased to say our engineering has underpinned many award-winning homes across New Zealand. We also proudly work alongside leading building companies both small and large to deliver a superior product to the residential built environment.

AGRIBUSINESS

From innovative elliptical and purpose-built wintering sheds, large scale grain or potato stores, to Fiordland's lobster factory and processing plant, and the extension of a mushroom farm facility, we have a strong affinity for the requirements of New Zealand's critical agribusiness sector.



INDUSTRIAL

We have extensive capabilities in providing design and engineering services for industrial and factory buildings. By providing an integrated service that includes planning, design, engineering, architecture, and project management, our clients benefit from an all-encompassing solution.

GOVERNMENT

Since our business began we have found public sector work adds diversity to our business and our staff. Housing New Zealand, Ministry of Education, Ministry of Business, Innovation and Employment and Ministry of Health have all trusted Kirk Roberts to deliver engineering services for projects benefiting the people of New Zealand. Local Government and many community based organisations that operate wholly or partly on Government contracts have also been clients.

PETROCHEMICAL

Since 2016 our expertise has meant that we have the ability to develop and redevelop sites in the petrochemical industries. Our Geotechnical team have expert knowledge in this area and work closely with our other departments so the clients result is safe, meets regulations and is completed in a timely construction schedule.

HEALTH

Our Engineering and Projects Divisions have been involved in various health-care facilities from laboratories to aged care premises. Our teams respect and work hard on the specific detailed needs of these types of projects.

Technology & Innovation

You'll never get yesterday's answers.

At Kirk Roberts, our purpose and passion is to find a better way. Our company was founded to challenge the norm and bring clients progressive, innovation led engineering solutions that drive efficiencies. Much has changed in our years in business, but this ethos has always and will always remain core to our way of working.

Innovation is crucial across all our departments, all of the time. That has seen Kirk Roberts celebrate success in various sectors through recognition within the industry with awards and featured in many publications. More importantly though, we value our clients' satisfaction as a scale of determining how well we have utilised and developed technology and approached each and every project with innovation centered as a core principle.

"If I had asked people what they wanted, they would have said faster horses." HENRY FORD

At Kirk Roberts we utilise BIM to the highest standards in New Zealand. This level of engagement can be confined to clash detection on the primary services routes right through to as much detail as required to LOD 500 to link into a clients' Building Management System. We provide all departments in BIM LOD 350 as a minimum. All KR shop drawings are supplied at LOD 400, ready for construction. Read more on BIM on page 20.

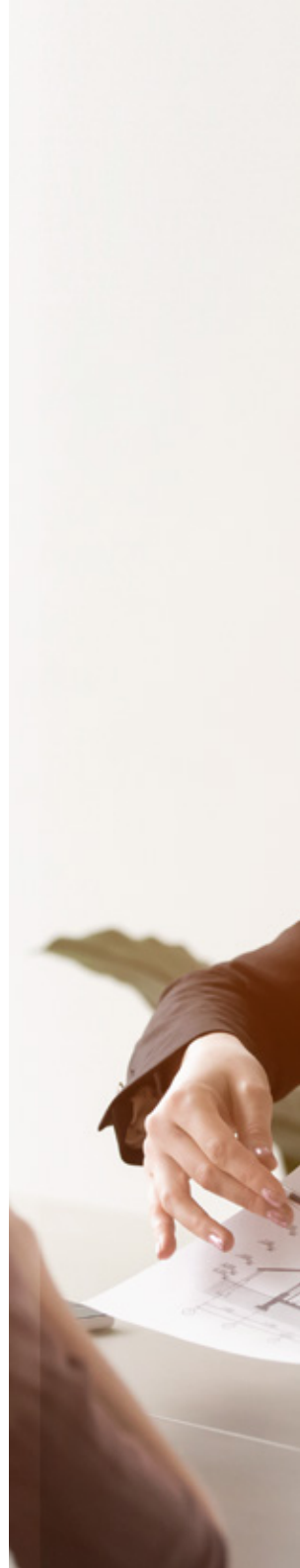
SOFTWARE

We believe success lies in investing in our technical expertise. Our advanced technology and processes mean our clients get accurate data and results to base their decisions on, maximising return on investment.

As well as a large library of in-house developed programmes, the key software we use is 2019 AutoCAD Revit and 2019 AutoDesk CAD software for the 3D draughting of steel/concrete structures, 3D rendering and detailing work on complex structures, as well as the completion of draughting documentation. Our Software Division has developed bespoke software for time/cost tracking recording and invoicing that connects through to documentation management and our own CRM platform.

Other software we use:

- AutoDesk Robot 2018 and Tekla Version 2019.
- Specifi, RISA-3D, and ETABS are used by our team of Structural Engineers.
- Our Geotechnical Engineers use Wallop for retaining wall design, Plaxis 2D for analysis of deformation and stability, Slide for slope stability, and CLiq for soil liquefaction.
- To accurately model fire events and fire engineering design our Fire Engineers use both B-RISK and PyroSim.





Quality & Assurance

Check and check again, that's a simple rule to describe the rigorous quality controls and assurance systems we have in place to ensure engineering design and drawings are of the highest quality and standards.

QUALITY CONTROL

We are proud of our reputation and work hard to maintain and protect it. Involvement from one of our senior specialists is standard on all projects and we have advanced consent and post-consenting processes to mitigate risk. These include independent document checking practices, comprehensive cross-team communications and regular in-house audits. At Kirk Roberts our projects are managed online with a full project quality process which combines the QA processes.

We are also active members of ACENZ (Association of Consulting Engineers New Zealand) and CEAS (Consulting Engineers Advancement Society) and follow their protocols for quality controls, contracts and assurance systems.

INSURANCE

We have stringent insurance policies held with Aon Insurance covering Professional Indemnity and other professional insurances.


DOCUMENTATION AND SERVICES

In our efforts to always exceed expectations, we provide every project with a high level of documentation well beyond minimum requirements.

PEER REVIEWS

We have close working relationships with several other engineering consultancy firms and can arrange for a peer review of your project by an independent engineer.

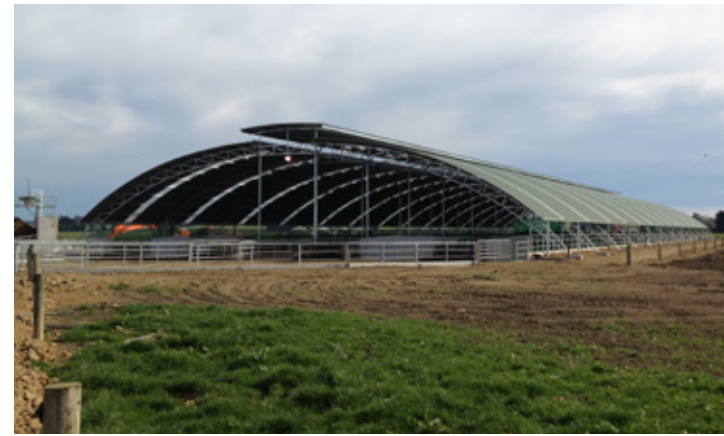


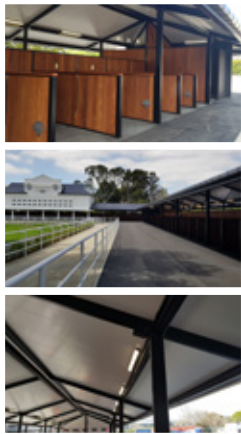


From quality relationships arise superior outcomes

We take pride in maintaining a high degree of professionalism and integrity while working collaboratively with our clients on a personal level.

The strong relationships that develop ensure we understand a client's design requirements and can focus on the important aspects of the project, applying our technical expertise effectively to deliver the most appropriate solution.





find better ways.

Get in touch

CHRISTCHURCH

Level 1, 337 St Asaph Street, Christchurch, New Zealand

PO Box 35320, Shirley, Christchurch 8640

T +64 3 379 8600

TAURANGA

Level 1, 633 Cameron Road, Tauranga, New Zealand

PO Box 13064, Tauranga Central, Tauranga 3141

T +64 7 571 0950

AUCKLAND

Level 1, 61-73 Davis Crescent, Newmarket, Auckland, New Zealand

PO Box 99388, Newmarket, Auckland 1149

T +64 9 972 9038

kirkroberts.co.nz



kirkroberts.co.nz

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