



ELEMENTAL / TANGIBLE

QUANTITY SURVEYORS
/ CONSTRUCTION ECONOMICS

BQH

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www.BQH.co.nz



QUANTITY SURVEYORS
/ *CONSTRUCTION ECONOMICS*





www.BQH.co.nz



/ BQH provides dynamic cost planning, value management and project control using tested methods and practical experience. With our advice, you can confidently plan and execute your project with a firm understanding of cost and value.

QUANTITY SURVEYORS

BQH Limited is an independent New Zealand based quantity surveying firm. Our broad range of skills promotes value for money and protects client interests in the built environment. BQH Services are delivered by highly skilled, motivated and experienced people in a professional framework that provides peace of mind to clients, colleagues and collaborators.

/ CONSTRUCTION ECONOMICS

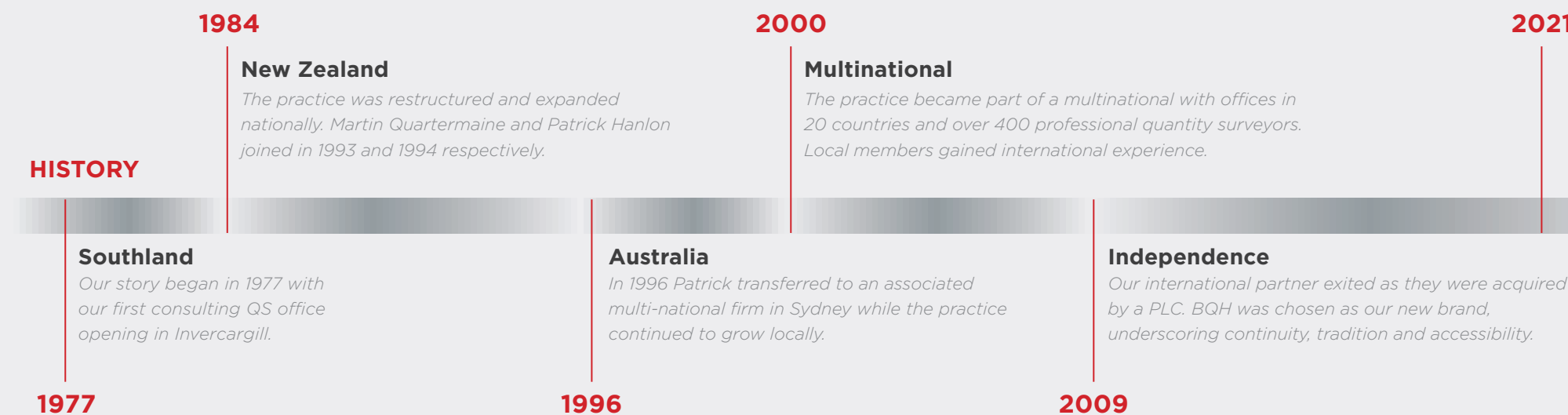
Our primary focus is management of financial processes in construction projects. Our professional approach provides certainty throughout the project life cycle. From recommending strategies to determining budgets or approving payments we have proven techniques for ensuring accuracy, consistency and transparency.

/ PRINCIPLES

At BQH we take our professional responsibilities seriously. This means we have an infrastructure in place to protect and promote the interests of our clients and colleagues on all projects. Specific aspects of this infrastructure include:

- Our project teams are led by qualified, experienced people
- We are professionally and personally ethical in all our dealings
- Details of PII and PLI can be provided to on request
- Services are delivered by a team, meaning built-in peer review
- Quality is assured with efficient and documented procedures
- All of our people are site-safe accredited
- Sustainable solutions are a key part of our thought process
- We take care with your information and our records with modern, robust infrastructure
- We use specialised software capable of 2D and 3D takeoff and BIM mapping
- We have a substantial archive of cost data across a wide range of industry sectors.
- Our people participate in industry and professional groups

/ HISTORY



BQH people hold competency based membership of national, regional and global professional societies.

This means we have completed academic qualifications, post-graduate training and experience requirements and that we have been elected by our professional peers based on an assessment of competence. It also means we maintain our skills through continuing professional development and life-long learning programmes.

MARTIN QUARTERMAINE
/ DIRECTOR



B.Sc(QS) FRICS MNZIQS Reg. QS
QS Since 1971
NZ, UK

PATRICK HANLON
/ DIRECTOR



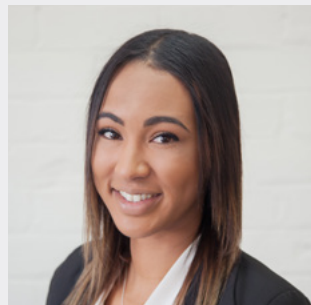
MBA MB(CE) BB(CE)(Hons) FRICS FAIQS
CQS FCIQB MNZIQS Reg. QS GSNZAP
QS Since 1993
NZ, Australia, UAE

IAN MORTON
/ REGIONAL MANAGER



B.Sc(QS) MRICS MNZIQS Reg. QS
QS Since 1980
NZ, UK, UAE, South Africa

RACHEL MACKEY
/ BUSINESS MANAGER



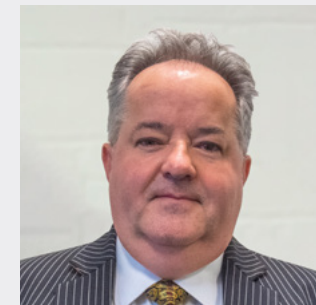
BBus (HRM, Marketing) (In Progress)
OM Since 2010
NZ

TANYA TAN
/ QUANTITY SURVEYOR



B.Const(CE) BA NDQS
QS Since 2014
NZ

PAUL BISHOP
/ REGIONAL MANAGER



B.Sc(QS) MRICS MNZIQS
Registered Quantity Surveyor
QS Since 1989
UK, KSA, UAE, Qatar, Oman, NZ

CAITLIN JONES
/ QS CADET



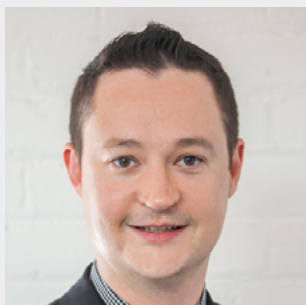
B.Const(QS) (In Progress) NZCRE(Sales)
QS Since 2018
NZ

CLARE WOOD
/ ASSOCIATE



B.Const(QS) B.Sc(Geo) GradDipEng (C&E)
NZIQS (Grad) MNZIQS
QS Since 2015
NZ

RICHARD VAN ZYL
/ SENIOR ASSOCIATE



B.Sc(QS) (Hons) MRICS Reg. QS
QS Since 2005
SA, NZ

GRANT AICKEN
/ ASSOCIATE



B.Sc(QS)(Hons) MNZIQS
QS SINCE 2015
UK, NZ

KELLY HUTT
/ QS TECHNICIAN



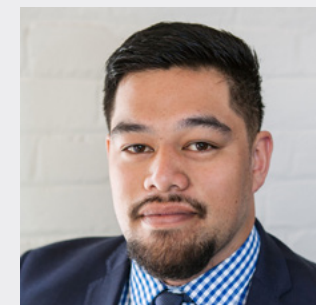
NDQS B.Const(QS)(in progress)
QS SINCE 2018
NZ

TIAAN VAN HEERDEN
/ ASSOCIATE



B.TECH(QS) MNZIQS
QS Since 2009
SA, NZ

EZEKIEL PAUL
/ QS TECHNICIAN



NDQS
QS SINCE 2019
NZ

RORY LEONARD
/ REGIONAL MANAGER



B.TECH(QS) MRICS
QS Since 1995
SA, NZ

We participate fully as members of the project team. By leveraging knowledge gained from national and international projects, we help you optimise value, competitively.

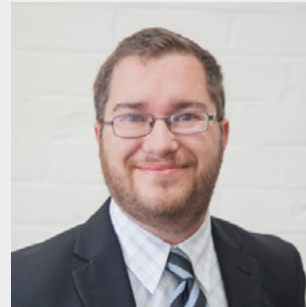


Our project teams are led by qualified, experienced people. We maintain comprehensive ethics policies and maintain insurance to protect client, company, and public interests.



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RICHARD MEAKIN
/ SENIOR ASSOCIATE



B.Sc(Hons)(QS) MRICS
QS Since 2005
UK, NZ

BLAKE CHALMERS
/ QS CADET



B.Const(QS) (in progress)
QS Since 2021
NZ

JENNIFER JIAN
/ QUANTITY SURVEYOR



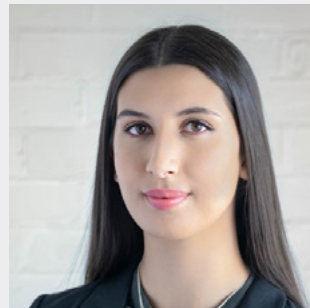
B.Const(QS)
QS Since 2013
NZ

PETA MOON
/ OFFICE ADMINISTRATOR



BA
Since 2018
NZ

MADDY YOUNG
/ QS TECHNICIAN



B.Const(QS)(in progress)
QS Since 2020
NZ

/ BQH Limited is an independent New Zealand based quantity surveying firm with history spanning five decades, from the 70s forward.


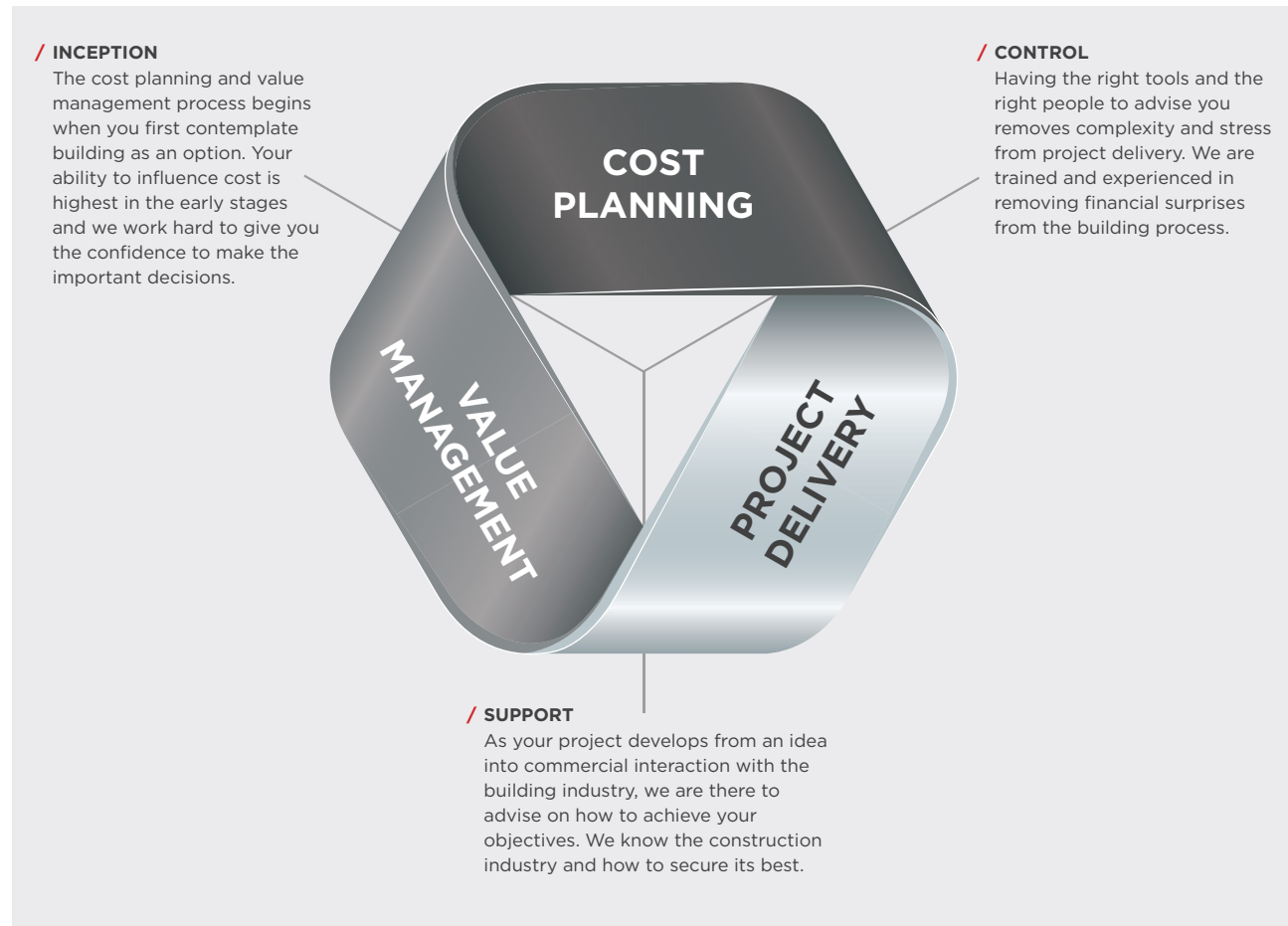
/ We provide dynamic cost planning, value management and project control using tested methods and practical experience.



/ SERVICES

Our primary focus is management of financial processes in construction projects but our professional interest extends throughout the property life cycle. From recommending strategies to determining budgets or approving payments we have proven techniques for ensuring accuracy, consistency and transparency.

/ Working from a construction economics and quantity surveying base, we provide a broad range of commercial management services for the built environment.



/ CREATE YOUR DIGITAL TWIN

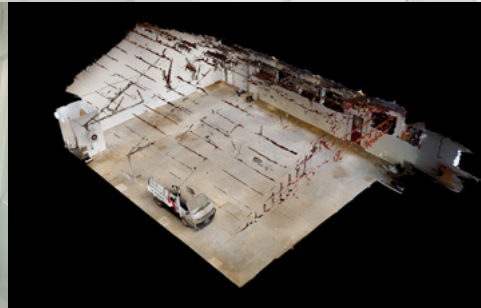

3D BUILT ASSET SCANNING

The indisputable source of truth

3D Scanning ensures the highest accuracy in capturing built assets in their current environment.

The scan creates a digital twin that records all data to point cloud as well as a photographic view at 4k enabling anyone to walk through the building as if they were there. The ultimate source of the truth with the ability to measure to an accuracy of 99%. This is far more accurate than a manual survey.

An example scan can be viewed here:
<https://my.matterport.com/show/?m=nCpiifHWYFc>



Has a variety of uses in:

- Architecture, Engineering & Construction
- Hospitality
- Insurance
- Real Estate
- Facilities Management
- Property Management
- Renovations
- Retail and many more

Some advantages are:

- Increase operational transparency with the ability to share links of 3D spaces to different stakeholders.
- Add additional notes and details.
- Train and educate remotely with photo-realistic 3D experiences that are more cost effective than VR studios.
- Create court admissible documentation with spaces that cannot be manipulated.
- Guarantee confidentiality and authenticity with face blurring and time stamps.
- Scans can generate point cloud files which can then be exported to various BIM interfaces as the base for design information, particularly useful for renovations.
- Increase collaboration with the ability to share 3D models to any interested party.



PROJECT STRATEGY

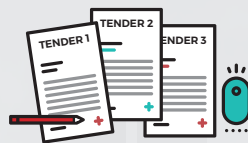
Monetary and non-monetary cost-benefit analysis

Feasibility studies, bulk and location estimates

Site selection studies, comparative estimating

End user / tenant acquisition support, fitout / base building cost calculations

Value engineering including time, cost, quality analysis



PROCUREMENT

Procurement strategy – Analysis of ECI, D&B, Traditional, Management opportunities

Tender lists / pre-qualification questionnaires and evaluation

Tabulation and documentation of tag / qualification resolutions

Reporting on tender costs including risks and unit rate effects

Recommendations for selection of tender bids



LIFE CYCLE COSTING

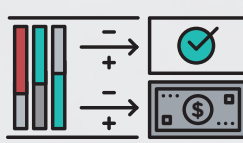
Analysis of whole life of options for sustainability and value engineering

Quantification of Capital, Maintenance, Cleaning, Energy, Replacement and other costs

Discounted cashflow analysis to establish net present value and break even points

Calculation of sinking fund contributions and Long Term Maintenance Funds

Sensitivity analysis for funding costs, cyclical durations



COST PLANNING

Estimate development through concept, preliminary, developed, detailed design

Budget reconciliation and cost control advice

Elemental, trade, resource, functional estimate presentation

Cashflow forecasting, earned value analysis and comparison

Cost allocation and cost centre / budget format establishment



BUILDING REMEDIATION AND LEAKY BUILDINGS

Experience 250 projects costing over \$1.2 Billion in the past decade

Large cost database drives faster recognition and solutions

Apportionment of costs for UTA s.74 schemes

Work with MBIE on Financial Assistance Package (FAP) projects

Certification of project establishment and funding drawdown for escrow



RISK MANAGEMENT

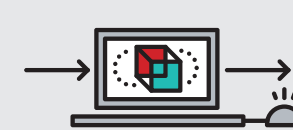
Monte Carlo simulation using Pallisade Decision Tools (@Risk)

NZS4360 risk management process, register establishment and input

Quantification of financial magnitude of risk events

Data analysis and benchmarking to establish reasonable contingencies

Crime prevention through environmental design (CPTED) cost quantification



BUILDING INFORMATION MODELLING (BIM)

iTwo CostX certified partner – benchmark for BIM in quantity surveying

Production of basic models in-house for geometry and measurement

Familiarity with Revit, Archicad and other modelling formats

BIM used for estimates, schedules, measurement checks, contract admin

Standard operating procedures, coding and phraseologies



SUSTAINABLE PRACTICES

GreenStar accredited professionals and practitioners

Advice on targeting free and cheap GreenStar points

Estimate / value engineer to lower sustainability costs

Comparative assessment of whole-life costs

Quantification of recycled / sustainable content



POST CONSTRUCTION

Replacement cost / sum insured valuations

Depreciation schedules and asset registers

Lease reinstatement, end of lease cost negotiation

Operational budgeting and estimating

Long term maintenance fund estimates



TRAINING AND EDUCATION

Mentoring under NZIQS partnership scheme

Lecturing in Measurement and Estimating for Unitec degree programme

Commercial management training to construction firms

Assessors, chairs, mentors and supervisors for APC candidates

Contribution to industry forums



CONTRACT ADMINISTRATION

Construction Contracts Act 2002 / CCA Amendment Act 2015 compliance

Payment schedules, progress valuations, interim assessments, final accounts

Variation price assessment and negotiation, entitlement and contract review

Time related cost calculation, delay and disruption assessment

Financial reporting budget vs. forecast, cost control recommendations



EXPERT WITNESSES

Qualified, experienced, recognised experts

Track record in CCA adjudication, high court trials, arbitration, mediation

Advice on costs (quantum), industry economics and practices

Practitioner perspective on application of contract terms

Evidential quality, referencing published and unpublished knowledge base



CONTRACT DOCUMENTATION

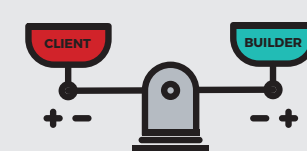
Schedules (Bills) of Quantities to ANZSMM-2018 and NZS4202: 1995

Estimation of provisional quantities for contingent work / re-measurement

Selection of general and special conditions of contract

Collation of contract document set, recommendations on content

Issue of digital files to facilitate tender process and pricing



ENGINEER TO THE CONTRACT

Industrial, residential, education, commercial, remediation, public facilities

Suite of communication templates developed over many years

Specific training in NZS3910 and acting as an engineer to the contract

Problem solving approach – mitigation, value engineering, rapid resolution

Acceleration / prolongation analysis, responsive approach to notices



BANK / FUNDING CERTIFICATION

Initial reporting and construction project reviews

Progress drawdown reporting

Cost to complete, progress against targets

Escrow establishment and drawdown reporting

Advice on market conditions and project risks



VALUE MANAGEMENT

Multiple criteria value quantification – time / cost / quality

Life cycle cost and discounted cashflow analysis

Change management / assessment of external impacts

Value for money analysis

Identification of premiums and opportunities

/ SECTORS



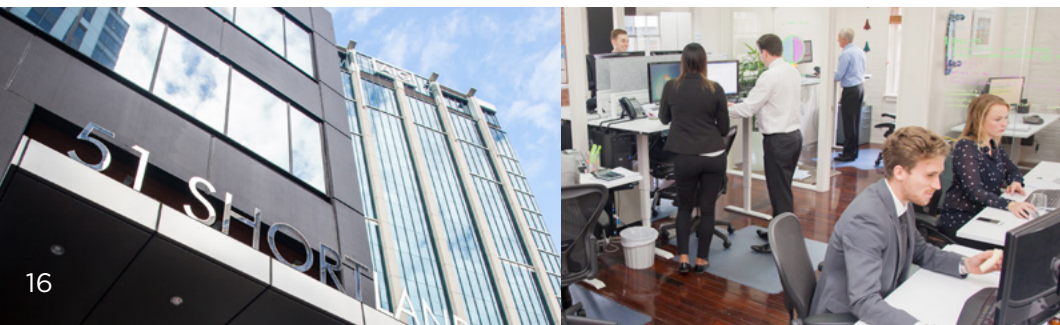
Our people have a solid understanding of business models in many industry sectors and facility types. We draw on our training and experience to provide expert advice on strategy, value for money and project control.

We work with a diverse range of organisations, including property owners, bodies corporate, developers, financiers, tenants, architects, engineers, central and local government, contractors, lawyers and accountants; this ensures that our understanding of industry and client needs is complete and well rounded.

/ Small alterations through to major developments

We provide services for a wide range of project sizes, ranging from small alterations through to major developments costing tens and even hundreds of millions.

AGED CARE / CLUBS / COMMERCIAL OFFICES / EDUCATION
EMERGENCY SERVICES / ENERGY / HALLS & GYMNASIA
HERITAGE / HOTELS & RESORTS / INDUSTRIAL & MANUFACTURING
INFRASTRUCTURE / RESIDENTIAL / RETAIL / TRANSPORT
SPORTS & AQUATIC CENTRES / HEALTHCARE



INDUSTRIAL



PANALPINA

Industrial
Completed 2014:
4,000 m2 Warehouse /
office facility



FLEX II

Industrial
Completed 2015:
7,500 m2 multi-unit industrial park



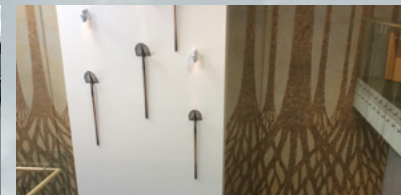
ST HELIERS PROJECT ENDEAVOUR

Education
Completed 2010: 1600m2 school
building, plus administration block



BAYFIELD PRIMARY SCHOOL

Education
Completed 2015: New integrated
classroom / administration / library
and standalone hall buildings



RANUI LIBRARY

Education
Completed 2014:
Public library by JASMAX
with art by Nic Moon



CEVA

Industrial
Completed 2015:
7,000 m2 office / warehouse and
4,000 m2 warehouse extension



DUPLEX

Industrial
Completed 2015:
7,000 m2 Duplex
industrial facility



WESTLAKE GIRLS HIGH SCHOOL

Education
Completed 2003+: Many projects
including 29 classroom block



CLAYTON PARK SCHOOL HALL

Education
Completed 2015: School hall,
reception and administration building
to replace existing



WARKWORTH JUNIOR SCHOOL

Education
Completed 2016:
16 MLE teaching spaces,
new administration and school hall



HELLMANN WORLDWIDE LOGISTICS

Industrial
Completed 2015:
14,000 m2 Warehouse / cold store
/ office facility



DATAMAIL

Commercial / Industrial
Completed 2008:
7900m2 warehouse and office
building



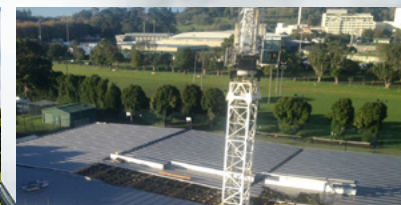
BLOCKHOUSE BAY INTERMEDIATE

Education
Completed 2014: Slab-up rebuilds,
new blocks, renovations



KERERU PARK SCHOOL

Education
Completed 2014:
Administration and library
building replacement



ST CUTHBERT'S COLLEGE CENTENNIAL CENTRE

Education
Completed 2014:
Pools, Gym, Student Counselling

EDUCATION

COMMERCIAL



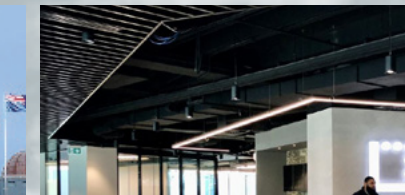
TAIT COMMUNICATIONS

Commercial
Completed 2014:
7,000m2 post-quake commercial
facility in Christchurch



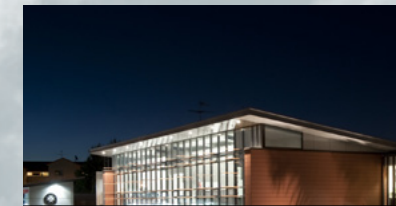
441 QUEEN STREET

Commercial
Completed 2005:
Retail and commercial space along
with parking for adjacent church



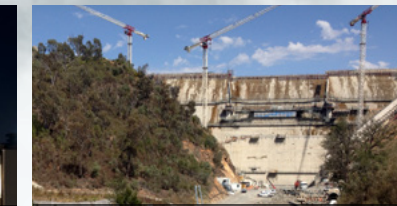
LATITUDE FINANCIAL

Commercial
Completed 2020:
Auckland Office Fitout - Engineer to
contract & quantity surveying services



ST JOHN'S NORTHERN REGION HQ

Commercial Office
Completed 2012: Regional HQ for
Order of St John Ambulance service



ACTEW

Infrastructure
Asset Valuation:
Replacement cost estimates for dams,
STPs, reservoirs and infrastructure



ATEED

Office Fitout
Completed 2012:
500m2 in two sites



COURIERPOST

Commercial / Industrial
Completed 2009:
25,000m2 warehouse and office
building



SILVERDALE CENTRE

Retail
Completed 2012:
36 retail units including supermarket
and The Warehouse



THE CROSSINGS

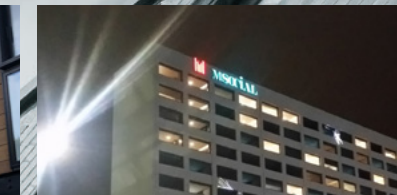
Hotel/Office
Completed 2013:
60 keys plus conference centre
and office/retail

RESIDENTIAL



439 PARNELL ROAD

Residential
Completed 2021:
10 three storey high end residential
apartments rebuilt using existing slab



M-SOCIAL HOTEL

Hotel
Completed 2017:
200 room hotel on Auckland's
waterfront



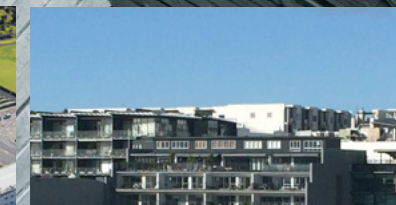
BEAUMONT QUARTER

Residential
Completed 2006:
258 residential units with common
recreation facilities



STARLING PARK SPORTS CLUB

Sports
Completed 2011:
840m2 + bleachers



10 AUGUSTUS TERRACE

Residential Refurbishment
Completed 2013:
12 Apartments



STUDHOLME MILK POWDER PLANT

Food Manufacturing
Completed 2008:
Milk powder production plant



[/ www.bqh.co.nz](http://www.bqh.co.nz)

BQH LIMITED

PO Box 99108
Newmarket
Auckland 1149
New Zealand

T 0800 900 BQH (274)

F +64 9 368 4413

E bqh@bqh.co.nz

AUCKLAND

Level 2, 8 George
Street, Parnell
Auckland 1023

T +64 9 300 6085

CHRISTCHURCH

6 Hazeldean Road
Addington
Christchurch 8024

T +64 3 659 0407

TAURANGA

3 Harington Street
Tauranga 3110
Bay of Plenty

T +64 7 925 9630