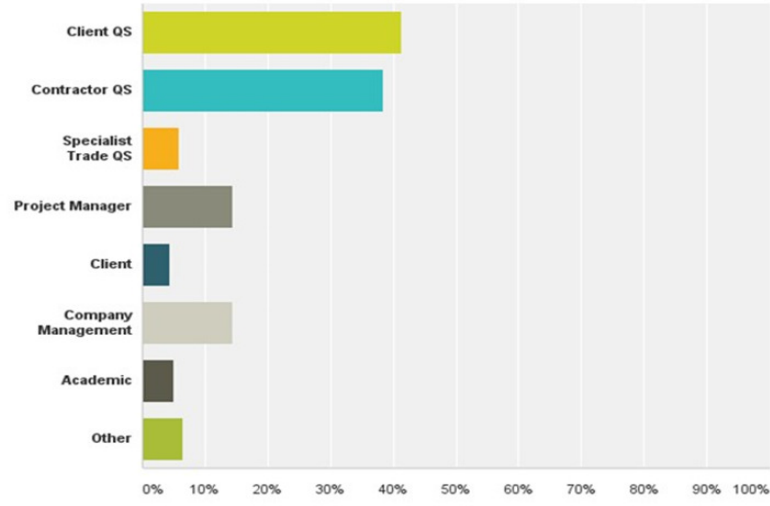


# NZIQS RESEARCH SURVEY - TOPIC RESULTS SUMMARY

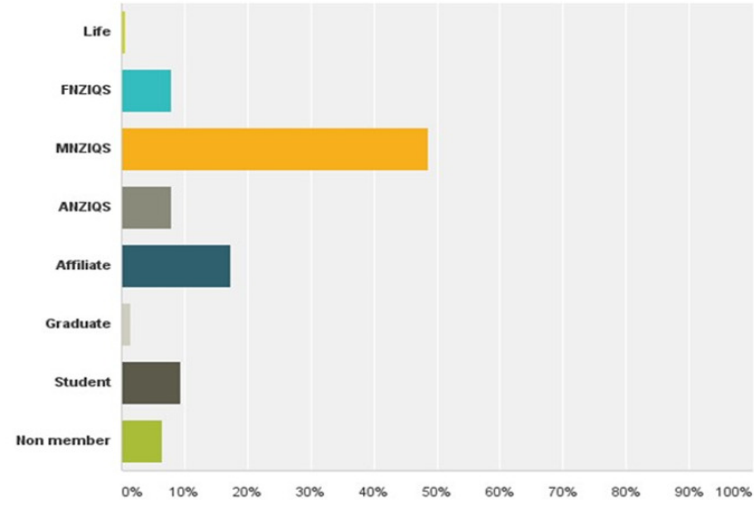
**Q2 What is your job role?**

Answered: 138 Skipped: 0



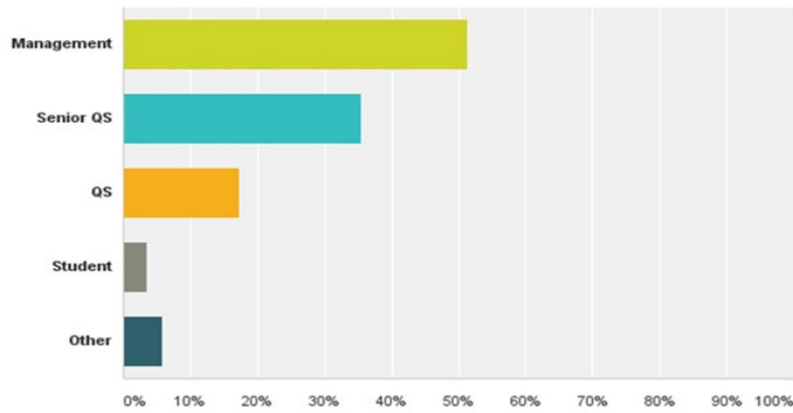
**Q4 What is your NZIQS membership status?**

Answered: 138 Skipped: 0



**Q3 What is your job position?**

Answered: 138 Skipped: 0



**1 THE QS ROLE**

The role of QS and how it fits into the industry (in a non threatening way)  
 Role of QS in insurance funded/driven market  
 Cost savings vs. fee for PQS & project manager  
 More information made available to consults showing the value of a QS on a project.  
 Project budget control when using professional QS  
 Why are we not the lead consultant on building projects when in reality cost is generally the number one issue for clients ?  
 Legislation of Quantity Surveying  
 Marketing of the QS: To Clients, and also to school leavers!  
 Why do so many QSs leave the profession.  
 What is the main requirement of the qs  
 Why are we such a obscure profession to the general public ?  
 Level of awareness of QS work by industry  
 Evolution of our profession, opportunities to specialise & diversify

**WHAT VALUE DOES THE QS OFFER & HOW DO WE MARKET THIS TO THE PUBLIC**

**2 RISK MANAGEMENT**

Risk management and allocation early in the project design and construction phases  
 Risk Management with LEED  
 Project Management  
 Management of Risk  
 Risk Management  
 Industry wide buy-in into early Risk Management  
 Additional cost arising from inequitable risk transfer / onerous contract conditions - both risk cost and legal cost of preparing and negotiating bespoke or amended contract forms  
 Better contract documents with clearer definition of who is responsible for the risk aspects of the project.  
 Construction Cost Risk Management  
 Risk analysis in the larger project management discipline  
 Benefits & Problems of Performance Design elements and trades (eg facade, envelopes, painting, seismic restraint of services and ceilings etc)  
 Keeping lawyers out of the construction process unless entirely necessary  
 Excessive demands and risks of last, & bid time frames  
 Christchurch impact  
 Scope quantification

**APPROPRIATE RISK ALLOCATION IN CONTRACTS & MONITORING THROUGH THE PROJECT**

**3 BIM**

BIM  
 BIM  
 BIM  
 BIM and it's relation to cost management  
 BIM  
 BIM  
 BIM  
 BIM  
 BIM and its effects on execution of QS duties  
 BIM  
 5D BIM: Implementation & Opportunities for the QS  
 BIM for the QS and across the project, reducing change to the project due to poor coordination  
 How important is the qs on bim  
 Technology - BIM. Best use. Increase access  
 The use of BIM in New Zealand  
 QS education: industry needs re: 5D BIM  
 Technology - BIM  
 BIM. Cost Vs Benefit  
 BIM Model zoning and labelling for QS use & ease of measurement integration

**HOW DOES BIM IMPACT ON THE QS ROLE**

# NZIQS RESEARCH SURVEY - TOPIC RESULTS SUMMARY

## 4 DESIGN STANDARDS

Properly co-ordinated project information and all this entails  
Documentation standards (to build from)  
Incompetent designers & inadequate tender documents  
Quality of Drawings  
Lack of quality design information  
Design quality & co-ordination  
Quality and details of drawings due to the high volume of work in NZ at the moment  
Properly co-ordinated project information and all this entails  
Quality of documentation  
why can designers not write relevant specifications. Master Spec is too generic  
Why can't the architects provide good documentations? We tender on the basis of initial documents but half way through the job, the whole designs have undergone three to four revisions with the owner not prepared to accept variation  
architects + clients expectations of what they get for nothing during the tender process ie drawings checks, buildability etc  
Additional cost arising from incomplete / poor design documentation c/w cost of complete documentation  
Incomplete documentation, the industries curse  
over engineering for all parts of the country due to the chch events  
Mickey mouse documentation - the lot, from bid to construction

POOR QUALITY DESIGN INFORMATION &  
THE IMPACT ON COST + TIME

## 5 PROCUREMENT

Cost for bidding work (ie Central and local Govt)  
Procurement systems and risk transfer  
Construction Risk Management  
Best Procurement methods  
Productivity improvement  
Form Of Engagement  
Procurement strategy in Christchurch. What is suitable and when should it be used?  
Contract procurement methodologies  
Procurement within the Industry  
Contractor selection practices  
ECI - Early contractor involvement  
Alternative procurement models  
Procurement  
Procurement  
Supply and Demand related to Chch EQ recovery  
Growth of PPP model in NZ  
Procurement  
Procurement methods in a booming market  
Every job is priced MANY times, bid, NTTs, pre-contract alternatives, then VOs  
Voidable transactions and there effect on single purpose development development transactions  
Performance security options

PROCUREMENT METHODS & MODELS IN  
CHANGING MARKET CONDITIONS

## 6 CONTRACT

Bias of Engineer engaged by Principal under NZS 3910  
Contracts  
Contract Management and Administration  
Construction Contracts Act  
Design responsibility  
Construction Contract  
Design Risk forced on to Main Contractors  
Contracts - better risk allocation Client - Main Contractor- Subcontractor  
Construction law (contracts and legislation)  
Construction Laws and Acts  
Conditions of Contract standards  
Contract Conditions  
DISPUTE RESOLUTION  
Construction law  
Special Conditions of Contract and other modifications to NZS's

SPECIAL CONDITIONS & MODIFICATIONS  
TO NZS:3910

## 7 INNOVATION / TECHNOLOGY / METHODOLOGIES

Advances of technology in the Surveying sector  
Building Technology and Sustainability  
imported materials  
Renewal Energy Resources.  
CONSTRUCTION TECHNOLOGY  
Lean construction - NZ challenges/issues  
Modular / prefabricated construction  
New technology  
Software and modelling  
Construction Methodologies  
Industry Productivity  
prefabrication  
New materials  
supply chain efficiencies

INNOVATION IN THE INDUSTRY

## 8 SOQ

Standard Method Of Measurement  
Industry use of SOQ - contract status, how to price  
Is the QS becoming more valued  
Use of SOQ as a contract document  
How many smaller subcontractors know how to price a schedule of quantities with labour constants?  
Why do very few private sector clients see real value in a schedule of quantities as a tender document, and what actual negative experiences have they had to back up their view  
Tangible value of schedule quantities  
Consistent application of NZS4202 in scheduling by PQSs rather than have them rewrite the rules to disadvantage the contractor.  
SoQ  
The extent of documentation changes that are issued while preparing a schedule of quantities.  
Formation of a Construction Repairs Method of Measurement / Guideline  
NZ Methods of Measurement, identify the types, uses and prevalence of methods of measurement in use in NZ  
  
The overall cost savings to a client of using a schedule of quantities as against no schedule.  
The Commercial impact of the SoQ on all project participants when the principal carries the risk on the accuracy of the Schedule  
Quality of BoQ. Preliminaries tagging measures makes a nonsense of the BoQ.  
Appetite for a shortened method of measurement

SMM  
- IS IT USED  
- IS IT THE RIGHT FORMAT  
- WHO OWNS THE RISK FOR THE SOQ  
- CONTRACT STATUS

## NZIQS RESEARCH SURVEY - TOPIC RESULTS SUMMARY

### 9 **TEACHING / TRAINING**

Upskill of resources and how this is achieved.  
 Trained staffing  
 Why are we not more innovative  
 Improving productivity in the design and construction process  
 Efficiency in construction and how we improve it  
 Education  
 Productivity  
 Promoting practical and industry relevant research in the New Zealand tertiary education sector  
 Improving productivity  
 Improving construction tertiary education  
 Graduate Programs  
 More understanding of what is being specified and is it fit for purpose and not just the latest thing that everybody should have.  
 Can More be done to maintain the NZ construction skill base in the relatively small NZ economy  
 With the building industry becoming extremely complex with regard to products/systems how can we help members meet this challenge ?

**PRODUCTIVITY WITHIN THE CONSTRUCTION INDUSTRY**

### 10 **WHOLE OF LIFE**

Life Cycle Costing, are projects delivering on the sustainability promise?  
 Property Management  
 Property Maintenance  
 Green buildings  
 Life cycle costing for future developments  
 Life cycle costing  
 Sustainability  
 Whole of life - the real cost of lower capex c/w increased opex (and the benefits, if any, of greater initial capital expenditure)  
 Has the greenstar accreditation program had a measurable impact on the trend toward sustainability in general  
  
 Does our industry recycle enough  
 Does sustainability have a future in NZ construction Industry

**WHY DON'T WE CONSIDER FULL LIFE CYCLE COSTINGS IN NZ CONSTRUCTION**

### 11 **PROGRAMMING**

The time to produce contract documentation from project conception to tender -  
 Programme/timeframes

### 12 **COSTS**

Costs of Building Materials  
 Construction cost indices / forecasts  
 Why are construction costs in NZ relatively expensive

### 13 **RETENTIONS**

Retentions  
 Retention protection for Subcontractors  
 Retention for main contractors given impending changes with sub-contractors  
 Retentions verses ? to protect clients financial position

### 14 **MARKET CONDITIONS**

Nationwide construction activity broken into City areas  
 how to balance workload and resources in an construction industry with extreme peaks and troughs  
 Growth industries i.e. Retirement villages, kindergartens etc  
 effects of the Christchurch earthquake and subsequent rebuild on the construction industry nationally including effects on local labour rates, effects on material supply, effects of additional plant & equipment being imported from overseas, and effects of overseas labour coming in.  
 sustainable growth resistant to downturns  
 The NZ Economy strength  
 EQ REBUILD/REPAIR COST PENALTIES  
 Currant Market strategy in industry  
 building codes / law changes

### 15 **DISPUTES / CLAIMS**

Claims  
 How to minimize Disputes  
 Reasons why projects get into disputes

### 16 **VALUE**

Delivering better value from projects  
 Value engineering  
 Value engineering  
 What does value for money look like?  
 Supply chain competitiveness & avoidance of multiple margins for end client  
 Cost and time performance of construction projects

### 17 **CONTRACT ADMIN**

Change Management  
 Contract management systems seamless, documents, instructions etc  
 what leads to cost over-runs. Is it poor documentation?  
 Cost management  
 Talking about variations, how do we get the owners to make up their minds as to what exactly they want before commissioning the job?

### 18 **PEOPLE**

COMMUNICATION  
 Better understanding between parties involved in the industry  
 Identifying and holding on to Talent in the Labour sector  
 Ethics  
 Business management  
 People Management (tenancies)

### 19 **ESTIMATING / TENDERING**

Pricing strategies  
 What are the tricks for getting jobs? Spend time and efforts on many tenders with little success  
 Development of fully integrated estimating / tendering / cost control / document control / document tracking software that is easy to use and works  
 Are todays construction costs sustainable in the current Economic Climate  
 Accuracy of estimating  
 Forecasting costs over long durations  
 Measuring for estimates  
 current trend of construction costs

## *NZIQS REASEARCH SURVEY - TOPIC RESULTS SUMMARY*

### 20 **OTHER**

LBP for QSing is this for us  
fletchers monopoly  
Ensuring all workers have legitimacy to work in NZ  
Registration of all trades  
Would removing secured creditor status to banks help reduce the amount of debt clients and contractors  
accumulate before being wound up.  
House Prices vs Incomes  
Sum insured  
NEW HOUSE AFFORDABILITY COST/DESIGN  
liability should errors occur in your work  
residential housing  
Insurance  
Approach to safety  
Legislation and the application thereof.  
The cost of compliance in dealing with local authorities in the building industry  
Affordable Housing  
Seismic. Compliance Vs Cost and Design responsibility