





Benchmarking Industry Outcomes

Construction Clients' Group, Wellington, September 2015

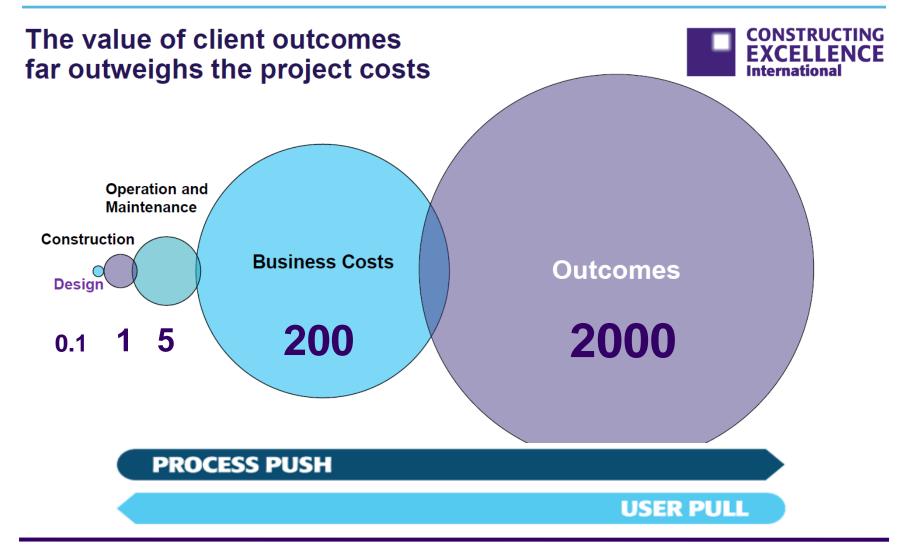


What are we all trying to achieve in the Built Environment?





The real value of client outcomes (1-5-200)







The real value of client outcomes (1-5-200)

High quality buildings can...



Speed up recovery in hospital by

27%*



Improve learning in schools

10%*



Increase productivity in the workplace

20%*



Help reduce crime rates

67%*

* 'The value of good design: How building and spaces create economic and social value' Commission for Architecture and the Built Environment (CABE)





The real value of client outcomes (1-5-200)

"better quality buildings and public spaces improve the quality of people's lives" 85% agree*





St Francis of Assisi Academy, Liverpool

- sustainability delivering value

Green values help academy top new league table

"A school which offers its pupils a green-focused education has won plaudits for having the best teaching standards in the country...."

The

Independent, 11 Jan 2007



"The excellent GCSE results and the fact that our students finished top of the national league tables for progress can rightly be attributed to the impact the building had on their studies"







So what should we benchmark? CCG International KPIs Baldridge BUSINESS EXCELLENCE **Business Excellence Operation and** Maintenance NABERS NZ Construction **Business Costs Outcomes** Design Design Quality Indicator 200 0.1 **Property Council** NATIONAL INFRASTRUCTURE UNIT National



Facilities Management

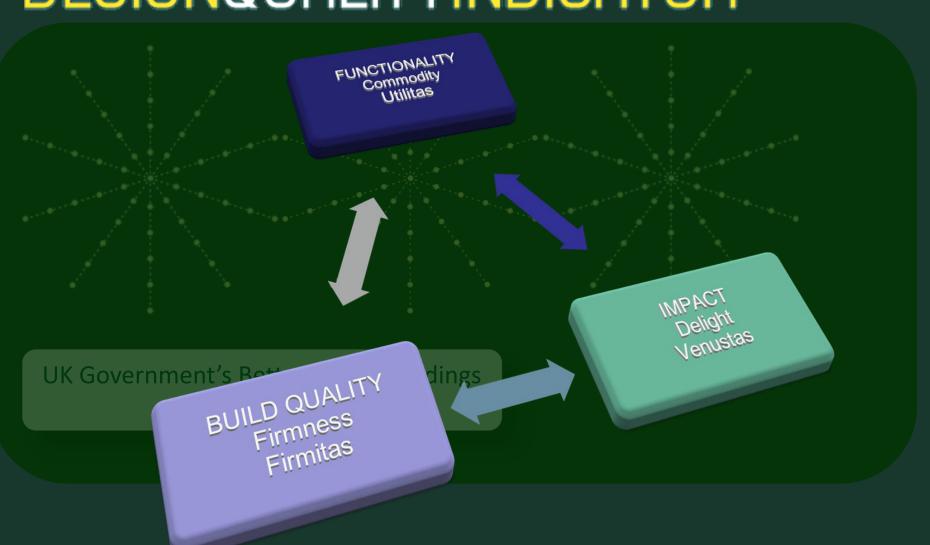
BEST PRACTICE GROUP



FMBP Group PLUS...



CIC DESIGNQUALITYINDICATOR





Types of Measure we need

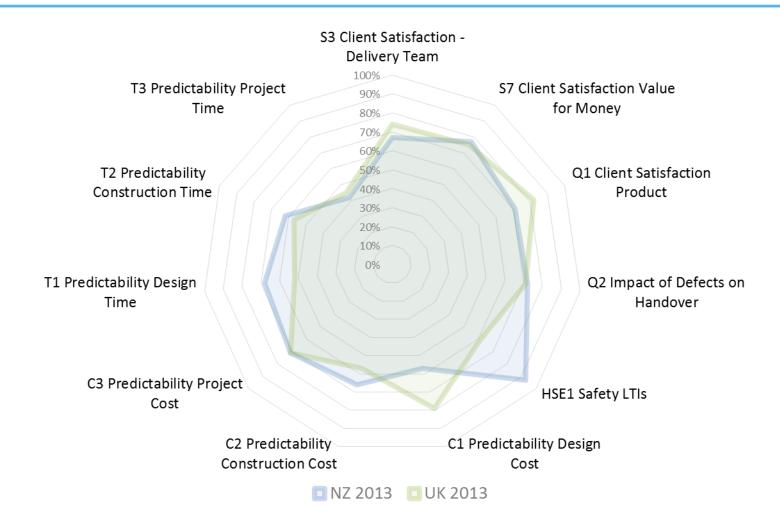
Product Outcomes Design Quality Indicators? Other?

Sustainability
of Process and Product





National Industry Performance: 2014 Report International Benchmark - UK







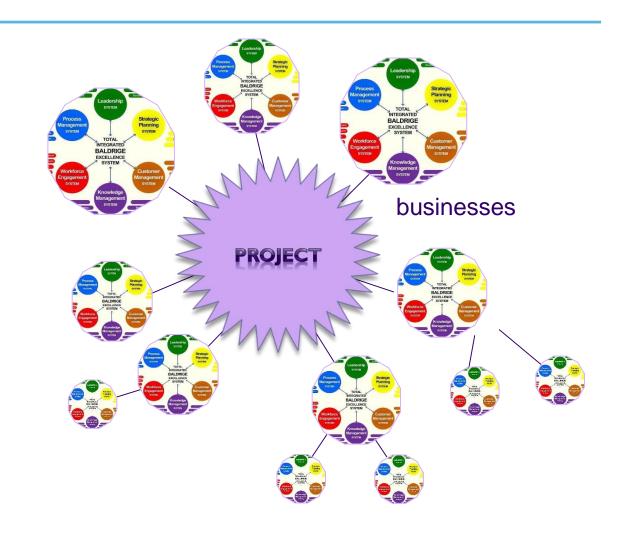
6 Project Key Result Areas (KRAs) Summary



CONSTRUCTING EXCELLENCE

Projects are created by lots of organisations! With lots of Stakeholders

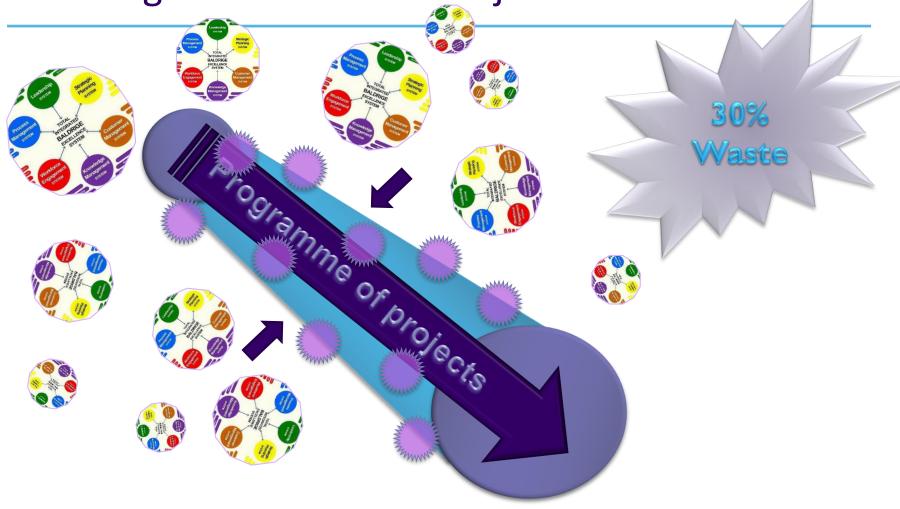
- Leadership
- Customers
- People
- Suppliers
- Processes
- ▶ Results







Learning in a traditional Project Portfolio







Product Team Integration – Focused on the Product Outcomes!



Fitness for Cost in use Visual Form Efficiency Purpose Engineering Sustainability Systems Effectiveness Kerb Appeal Context Aesthetics Net to Gross Attention to Performance detail What are we all trying to achieve in the Built Robustness **Environment?** Space Access Daylight Location Standards Flexibility Functionality Meaning

comfort Safety Order Innovation

Air Quality Finishes

Acoustics





Seven Steps to Delivering OUTCOME measures

Defining & Developing a Measurement System

The Performance Measurement process







Step 1 – Define the Measures

- i. Establish Stakeholders Wants and Needs (SWANs)
- ii. Define "Our Goals"
- iii. Map Success
- iv. Define the Measures







Best Practice Principles - Define the Measures

- ▶ Think strategically Align to Vision, Values and Goals
- ▶ Involve your stakeholders
- Start with a SWAN workshop
- Use Success Mapping



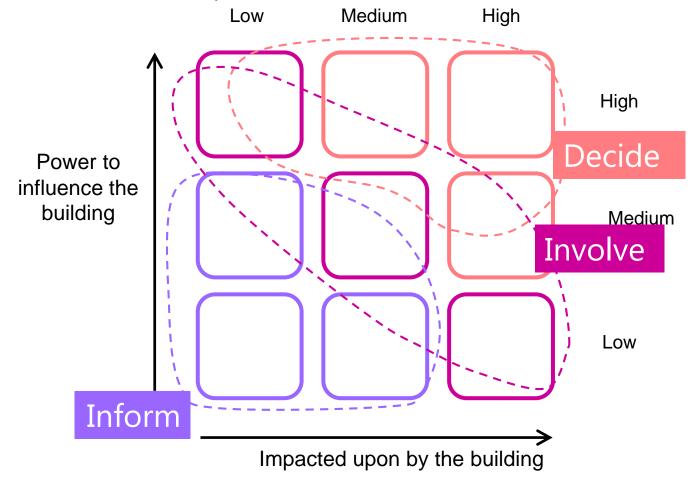




Step 1 – Define the Measures

i. Stakeholders Wants and Needs

Stakeholder Analysis







iv. Stakeholders Wants and Needs (SWANs)

- Brainstorm ALL our stakeholders
- ▶ On a Matrix (Measures/Stakeholders), list on post-it notes, the key Wants and Needs of each Stakeholder for each KPI.

	STAKEHOLDERS			
MEASURES	1	2	3	4
Α				
В				
С				
D				

- ▶ 15 mins to brainstorm and post
- ▶ 15 mins to categorise and share





Step 1 – Define the Measures

i. Stakeholders Wants and Needs (SWANs)

Stakeholders Wants & Needs (SWANS)

Recipients
Sponsors/End User
Improvements in:

Delivery Team
Designers/Contractors
Improvements in:

Product

Process

- •Functional Performance
- Life-Cycle costs
- •Stakeholder satisfaction
- Delivery in time/cost/quality
- Management of expectations
- Minimal disruption
- Speed of response

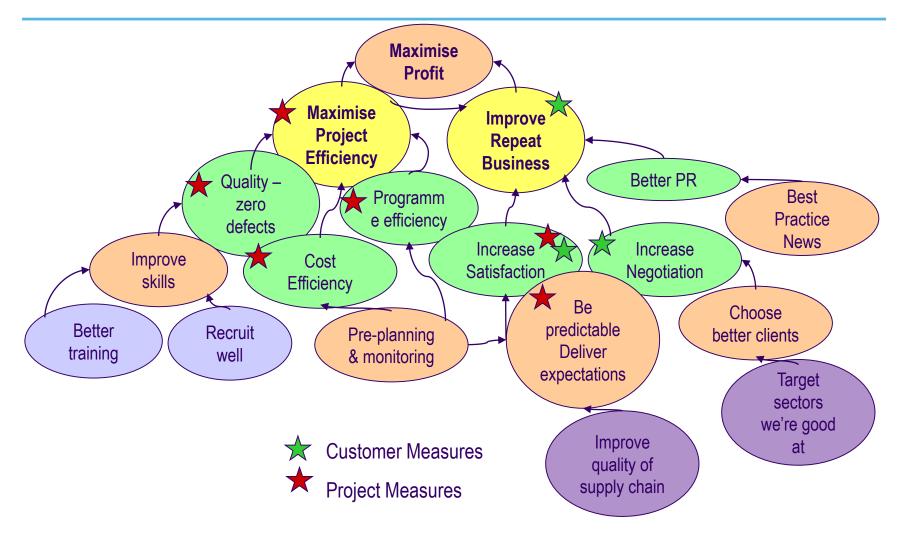
- •End user / sponsor involvement
- Ability to Standardise
- •Stakeholder satisfaction
- Visibility of workload
- Earlier involvement
- Communication
- Feedback
- Profit





Step 1 – Define the Measures

iii. Mapping Success







ii. Mapping Success

- ▶ In groups, create a Success Map for each of our Outcome 'Goals'
- ▶ From the top, build each bubble below with strategies of "how can we achieve" the bubble above



5 mins to categorise and share



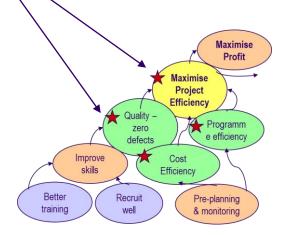




Step 1 – Define the Measures

iii. Define the Measures

- ▶ In groups, identify key LEAD and LAG measures which will help you to see if you are achieving the Goals
- Add 'Stars' to the bubbles to measure
- List your measures on a flip chart
- Codify





15 mins to categorise and share







Defining & Developing a Measurement System

The Performance Measurement process







Next Steps...

Define Using the Seven Steps

- ▶ Form a National Benchmarking Steering Group
- Upskill SG the members
 - DipMEEC Level 6
- Work through the Seven Steps to define OUTCOME measures
- Collect Data
- ▶ Publish

Process
Industry
International
Key
Performance
Indicators

Update and collect 2014
Project Data

Product
Outcomes
Design Quality
Indicators?
Other?

Sustainability
of Process and Product

Types of Measure

we need

Partner with current players



