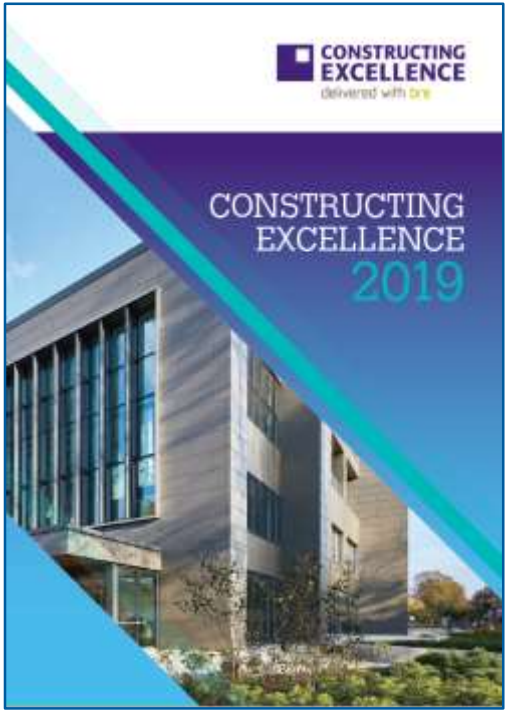
CONSTRUCTING EXCELLENCE 2019

About us

- Not-for-profit best practice and knowledge transfer organisation, part of the BRE Trust group of companies

- A platform for industry improvement to deliver better value for clients, industry and users through collaborative working

- A national, regional, local and international movement



The movement

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8 regional
centres and 36 best practice clubs make us the leading platform for change in the built environment

We have a global outreach with
8 members
of the Constructing Excellence International Alliance

Over 100
regional winners go forward to our annual national awards

Over 1,500
leaders of the future in 10 regions are the driving force behind G4C

Each year Constructing Excellence holds over approximately 250 events with more than
17,000 participants
and raised over £26,000 for charity through the annual awards programme

We are tracking indus performance with
19 years
of KPI data

National members

New Member

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Tufeco™

AECOM
amec foster wheeler
Apache
BG GROUP
bp
CBI
CNS
COFELY FABRICOM
GDF SUEZ
COSTAIN
DORNAN
ecITB
FLUOR
GAMA
gsk
GlaxoSmithKline
HFL
kirby
engineering & construction
HOME INTERNATIONAL
kingsfield consulting
INTERGRAPH
LAKERS
Lend Lease
Loughborough University
mace
MAMMOET
McKinsey&Company
PONTICELLI
PM GROUP
P&G
PROJEN
RWE
The energy to lead
sarens
Scantech International Ltd
Sellafield Ltd
SERDING
Shell
SynapS
TECHINT
Tecnimont
WSP
PARSONS BRINCKERHOFF

New Chairs summer 2017

Phil Wilbraham
Director of Expansion, Heathrow Airport Ltd

Infrastructure Clients Group, Chair ‘Project 13’ Capable Owner workstream

Mark Farmer
Founding Director, Cast Consultancy

Author, *Modernise or Die, the independent Review of the UK Construction Labour Model,* CLC, 2016

David Whysall
Managing Director, Infrastructure, Turner & Townsend

G4C Chair 2008-2010

Don Ward
Chief Executive, Constructing Excellence

G4C national co-chairs 2018

Robin Lapish
HS2, supply chain manager, rolling stock

Caroline Key
CITB, shared apprenticeship scheme co-ordinator

Our mission

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“

Positively disrupting the industry delivery processes to transform performance

Our vision

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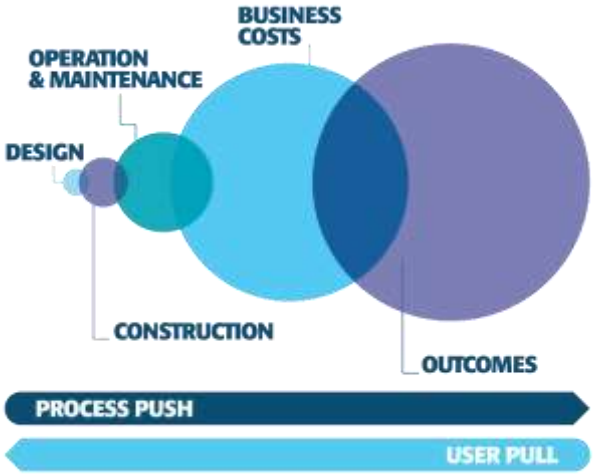
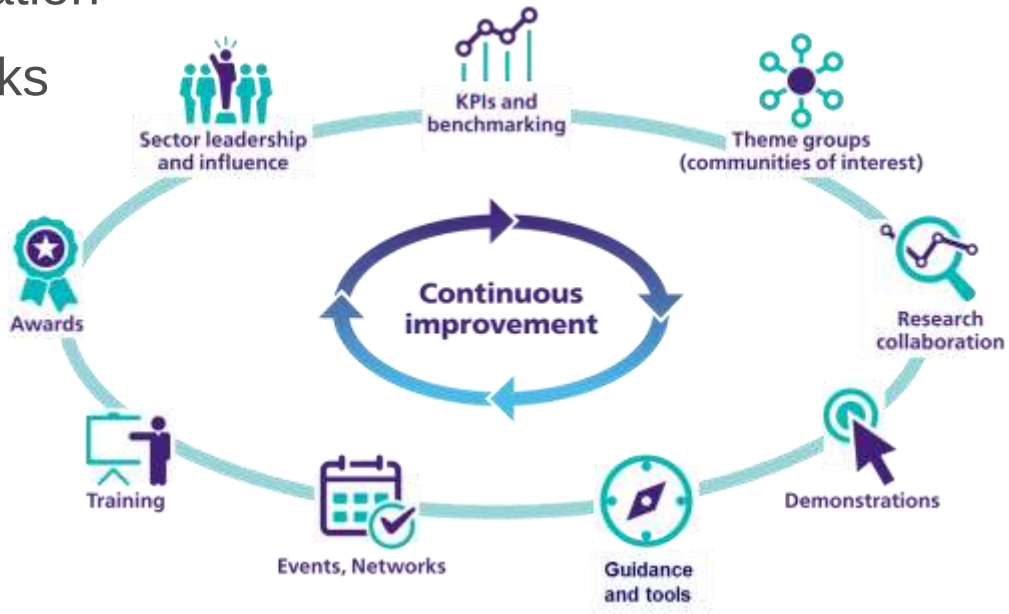
Superior outcomes from new delivery models featuring:

- A **client-led transformation** by procuring for outcomes and value
- Increased **standardisation and pre-manufactured content**
- **Digitally enabled integrated teams** working collaboratively with long-term relationships and aligned commercial arrangements



Strategies

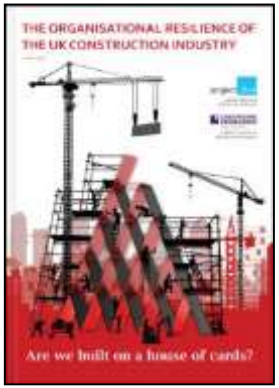
- Performance measurement
- Showcasing and demonstration
- Connecting through networks
- Leadership & Influence



National Theme Groups 2019

- Asset management
- Collaborative working
- Engineering Construction
- Digital
- Funding, finance & insurance
- Nuclear
- Offsite manufacturing & technology
- Procurement
- Social Value
- APRES (Responsible sourcing)
- Research, innovation & skills
- Sustainability

Key publications in 2018



Award winners 2018

G4C Future Leader
Irina Korneychuk, FaulknerBrowns

Integration & Collaborative Working
Dudley College Advance 11 Alliance

People Development
The Griffiths Skills Academy

Preservation and Rejuvenation
Your New Town Hall, Lambeth

Value
Hartlepool Centre for Independent Living

SME of the Year
Wynne Construction

Client of the Year
Yorkshire Water

Sustainability
Ysgol Rhyd y Llan

Innovation
Smart M&E Plug & Play for Offsite

Digital Construction
M-Sparc

Health, Safety and Wellbeing
Seymour Civil Engineering (Contractors) Ltd

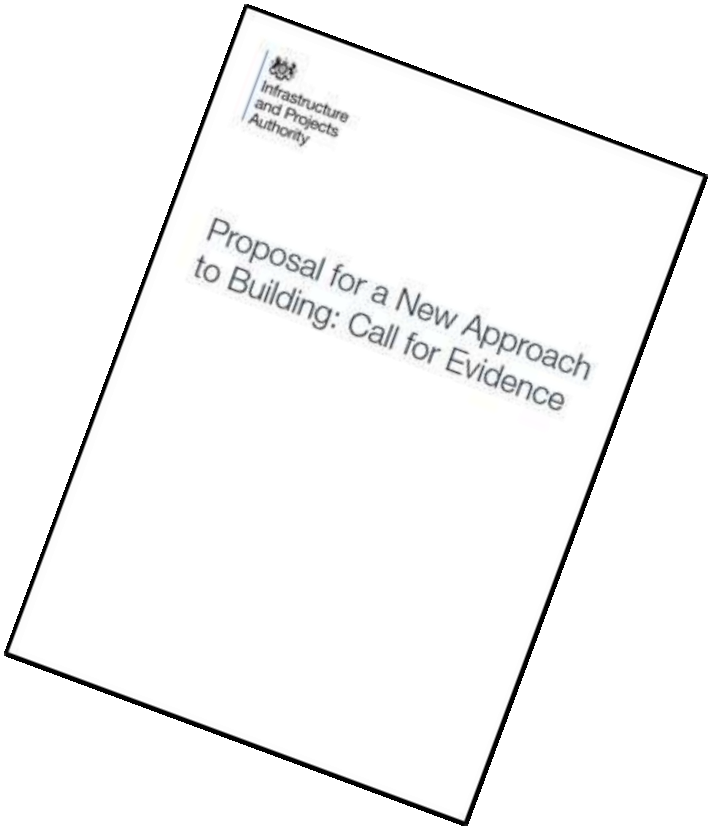
Offsite Project of the Year
A14 – Pre-Cast Solution for the River Great Ouse Viaduct Skanska.

Civils Project of the Year
Pen y Cymoedd Wind Energy Project

Building Project of the Year
The Christie Proton Beam Centre

IPA Consultation

- Offsite Manufacturing & Technology Group
- Proposal for a New Approach to Building
- Get in touch to get involved



Forthcoming Events

- Members Steering Group 2019: 12 February, 11 June, 8 October
- CE member forums 2019: 30 January, 15 May, 11 September
- CE Annual Conference 2019: TBC December
- Parliamentary Reception 2019: 19 March
- G4C Conference – May TBC

Forthcoming Events

- Offsite Workshop: April 2018
- Leaders Breakfasts 2019: 26 February, TBC May, TBC September, 7 November
- Digital Workshop 2019: 5 February
- CE Awards 2019: 8 November
- ECI event 2019: 20 March
- Procurement workshop 2019: 19 March
- Nuclear Conference 2019: 2 May

Benchmarking and KPIs: 20 years of performance measurement

Don Ward, Chief Executive, Constructing Excellence

KPIs

KPIs produced in response to Egan review and first published in 1999 sought to:

- provide a simple performance measure for companies and projects
- track and benchmark performance
- track long term progress at an industry level.

We now have 19 years of KPI data

From 1999 - 2003

2003 All Construction KPIs

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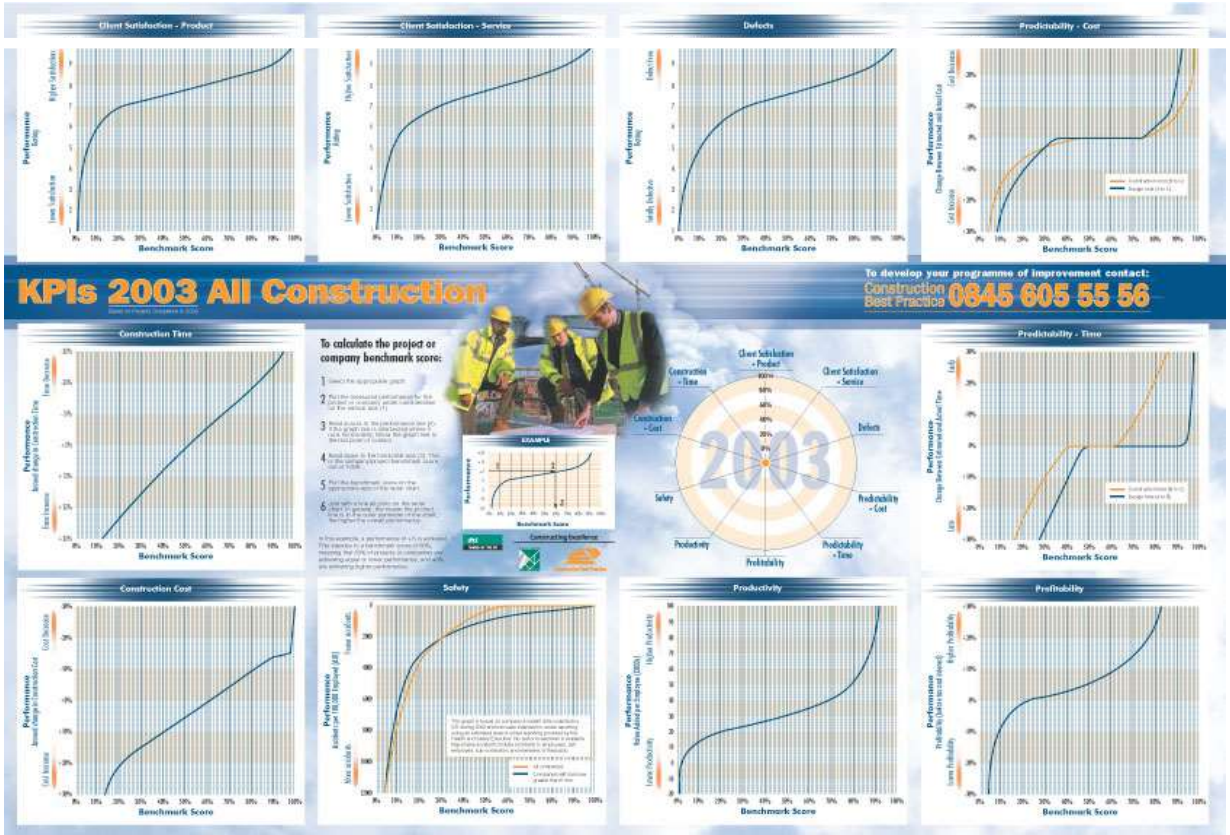
- focus predominantly on economic issues



Focus - on 10 critical issues

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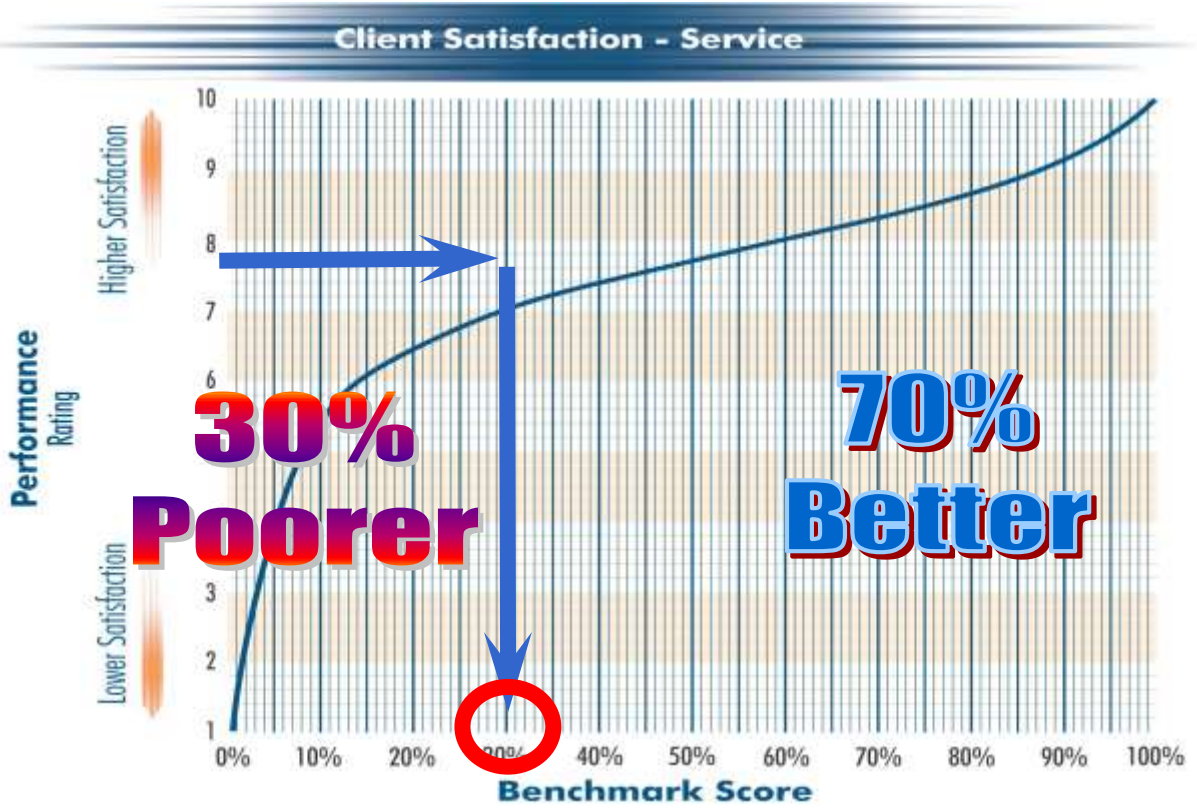
Project KPIs

- Client satisfaction - product
- Client satisfaction - service
- Defects
- Predictability - cost
- Predictability - time
- Construction cost
- Construction time

Company KPIs

- Safety
- Productivity
- Profitability

Simple benchmarking



Balanced performance scorecard

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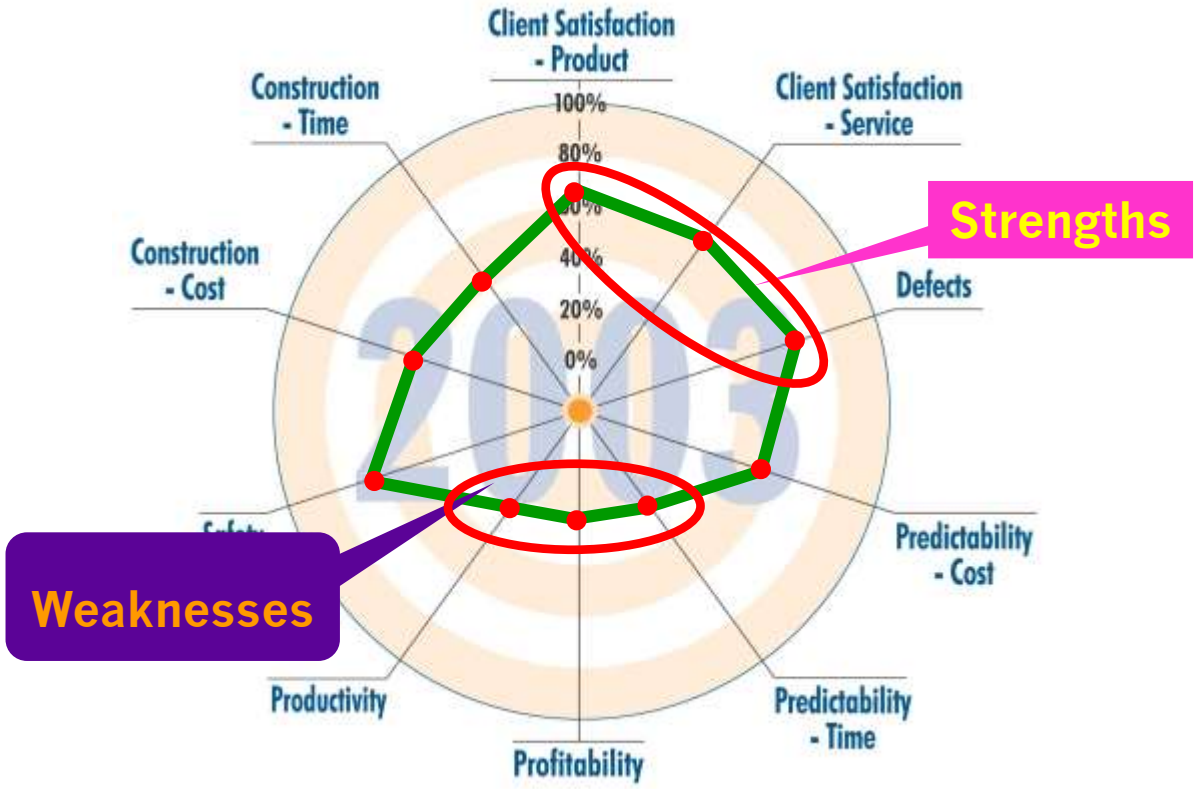
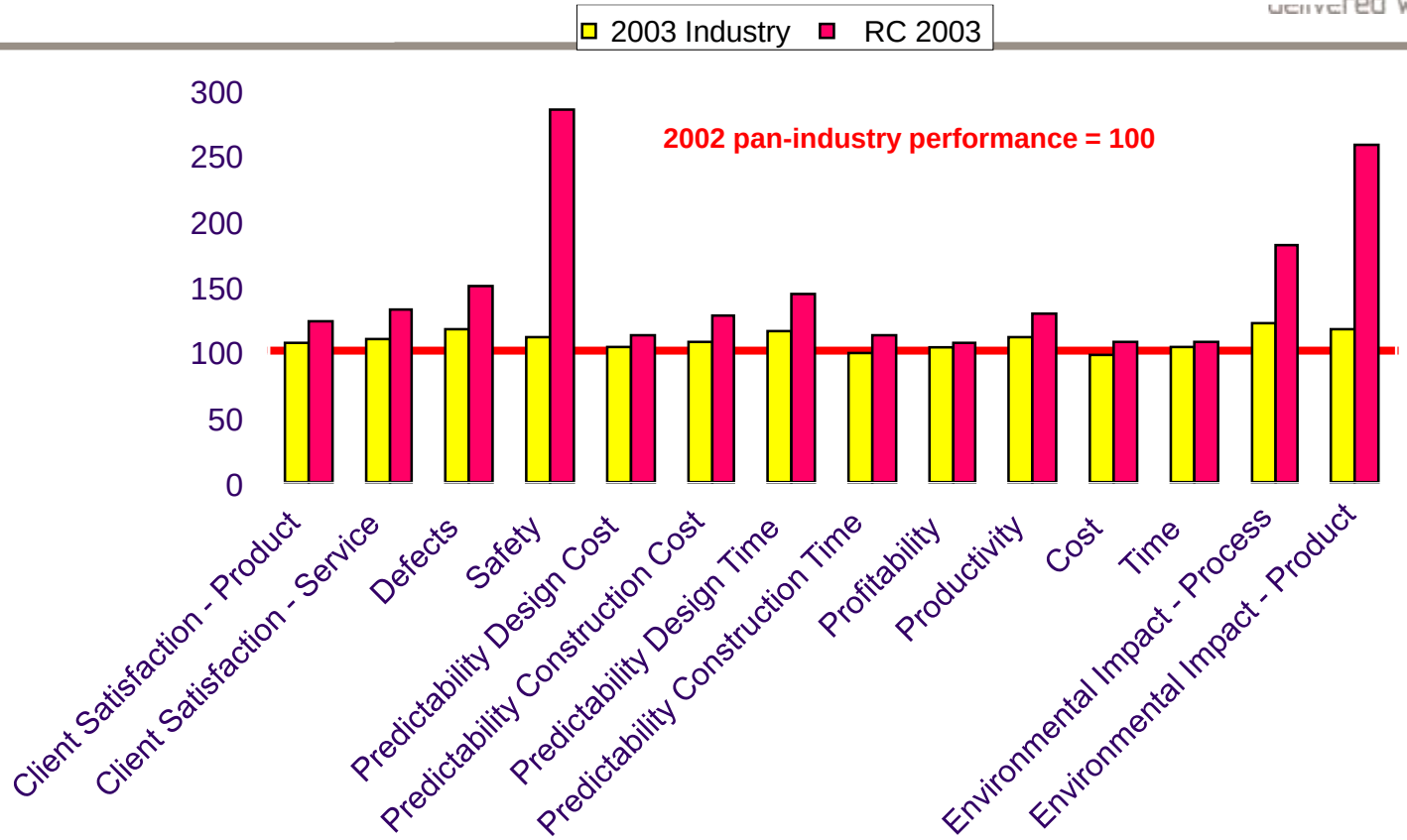


Demonstration project performance



Monitoring Industry Progress

Scoring 8/10 or better

72% **73%** **72%** **73%** **78%**

Scoring 8/10 or better

58% **63%** **63%** **65%** **71%**

The KPIs enabled performance measurement, benchmarking and annual reporting

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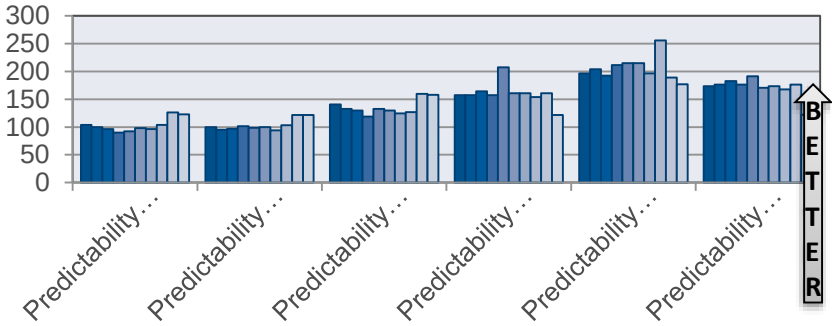

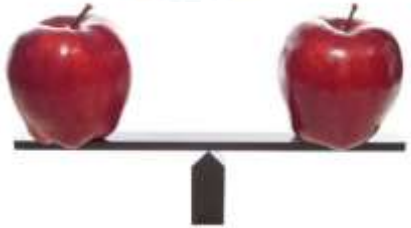

Safety is 75% better than 2 decades ago - but has it plateaued?

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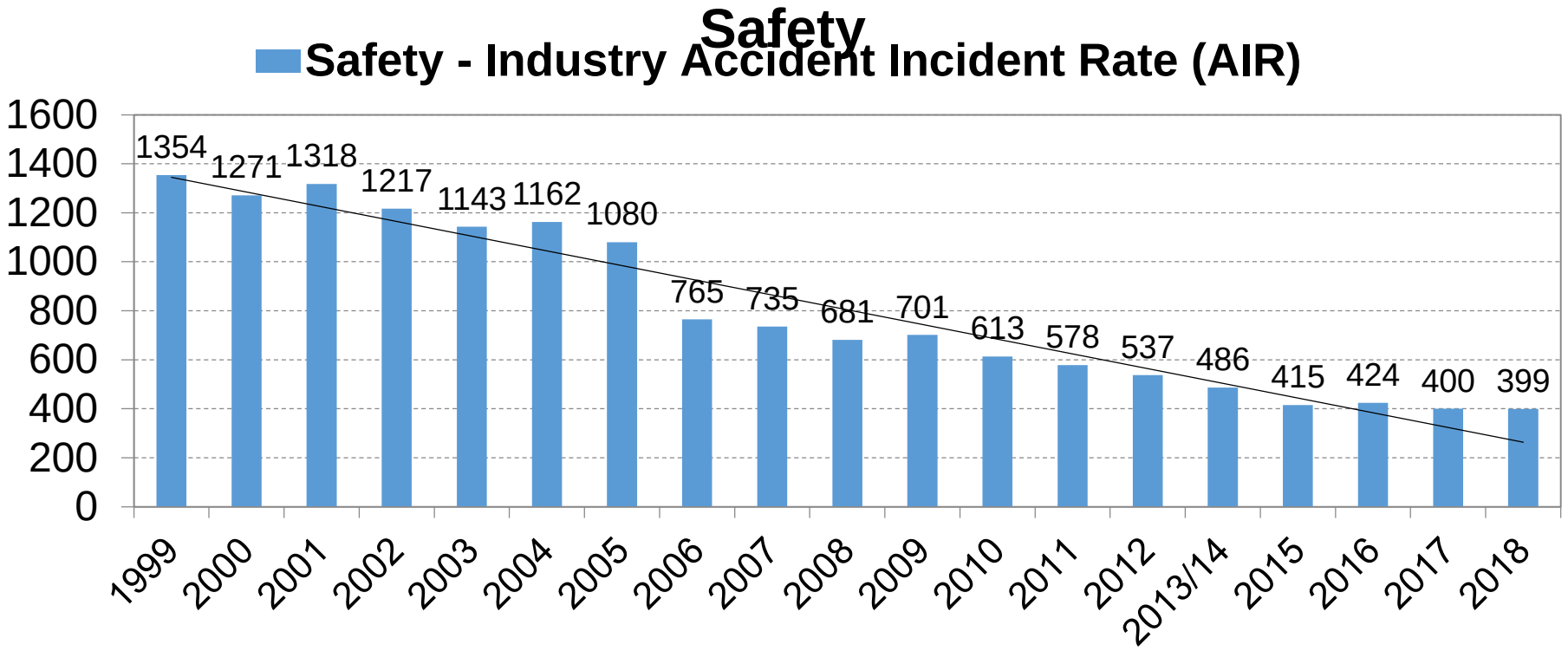

Cost predictability has risen from 50% to 66% over 2 decades – but has it pleateau-ed?

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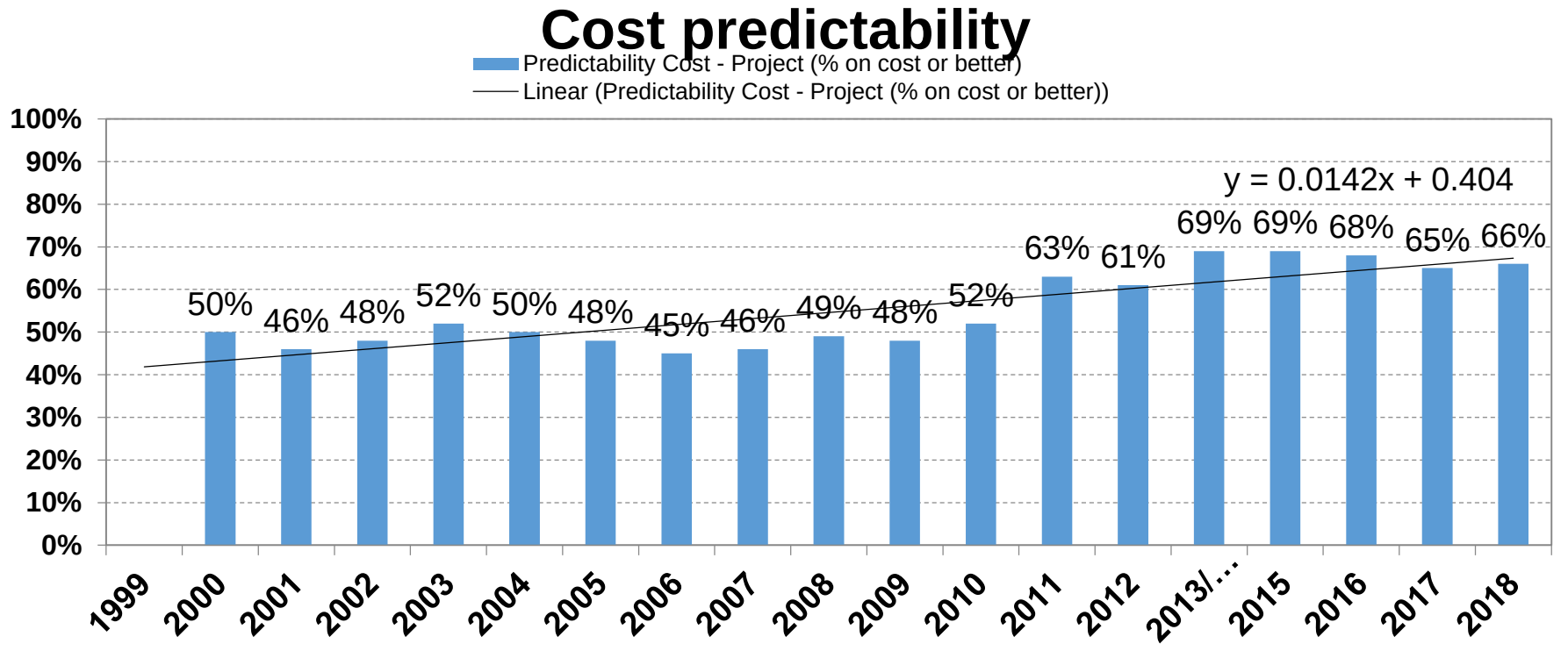

Time predictability has improved by 50% in the last 2 years compared with the previous15 years?

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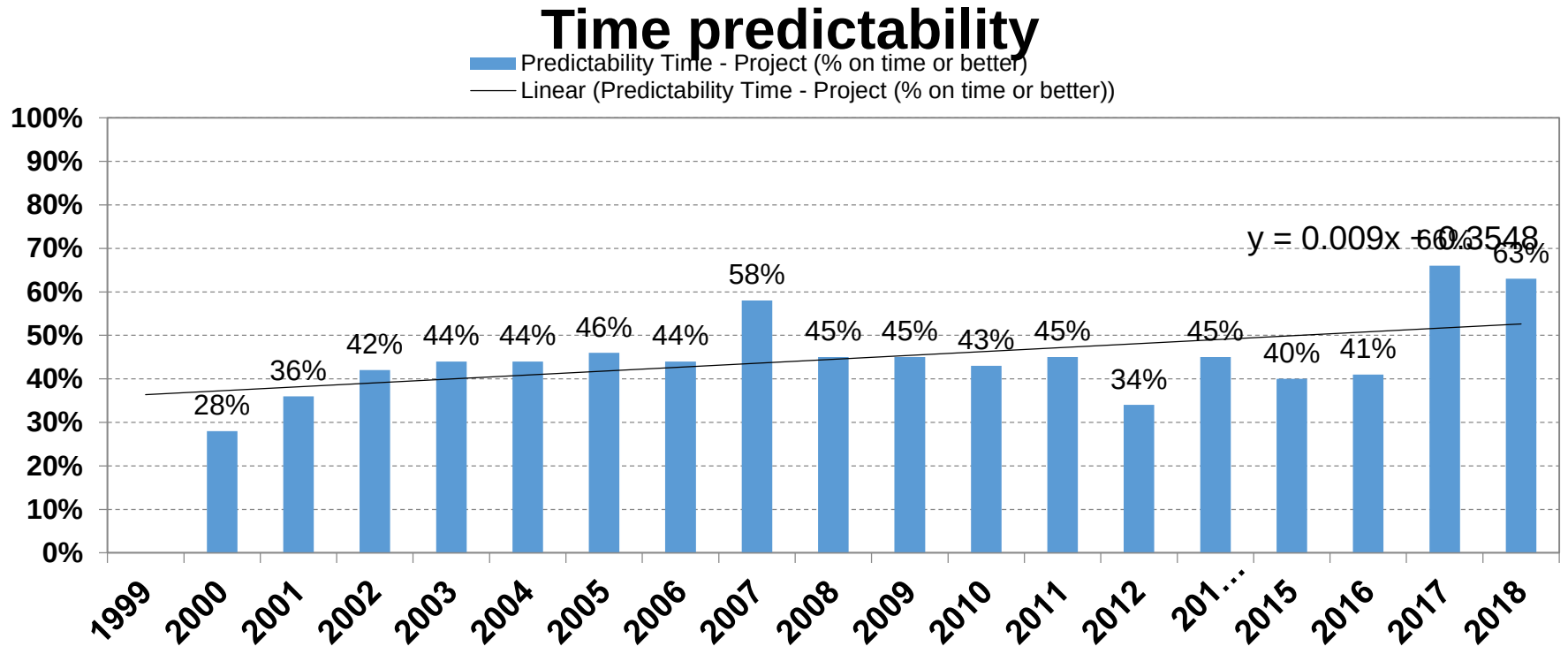

As non-housing got better, housing got progressively worse - until this year, can it close the gap?

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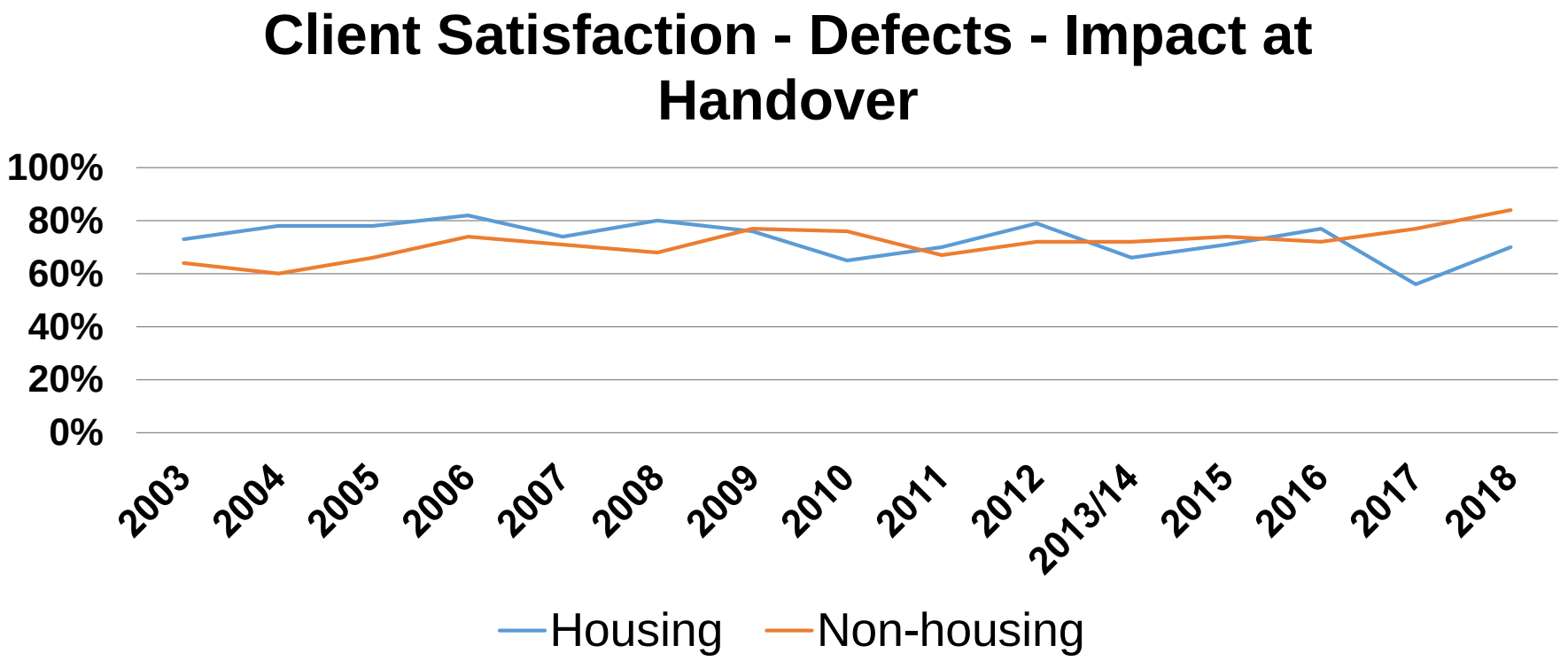

Data form BRE SmartSite shows waste to landfill has reduced dramatically

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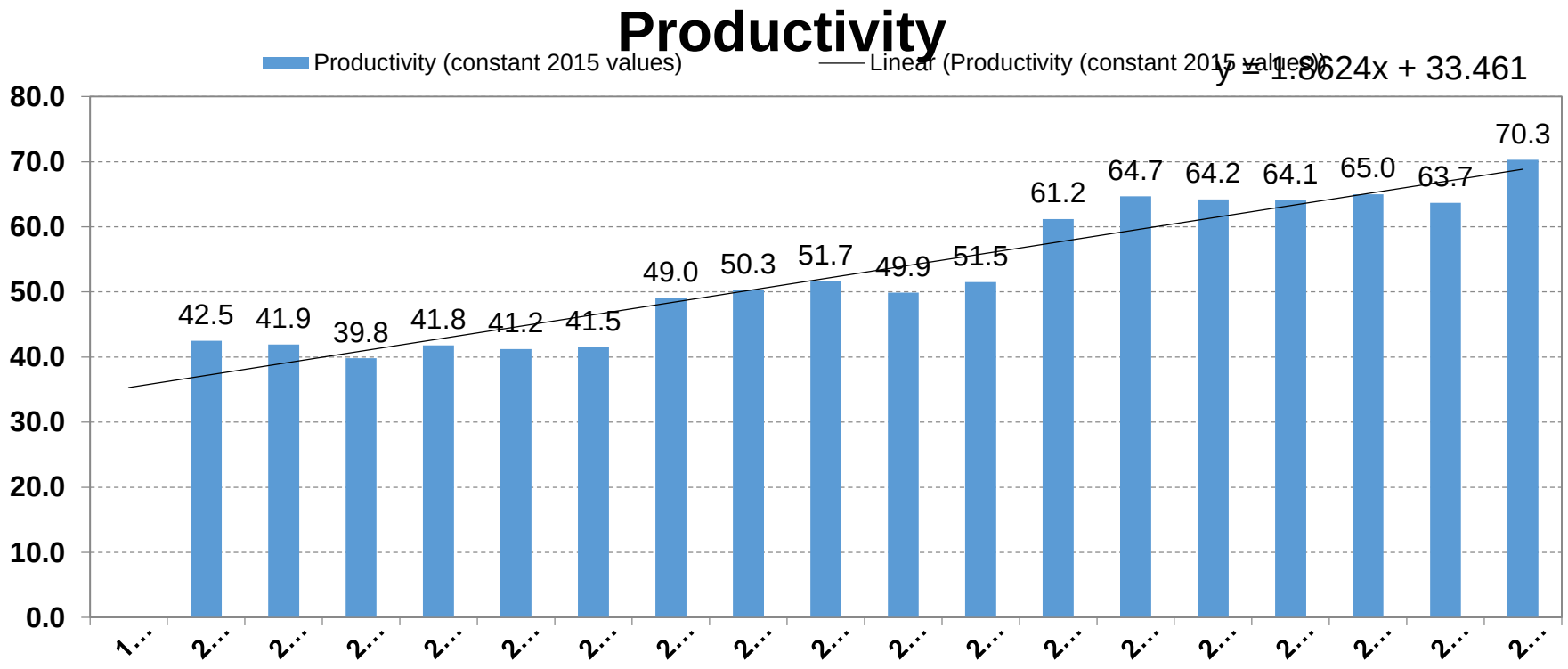
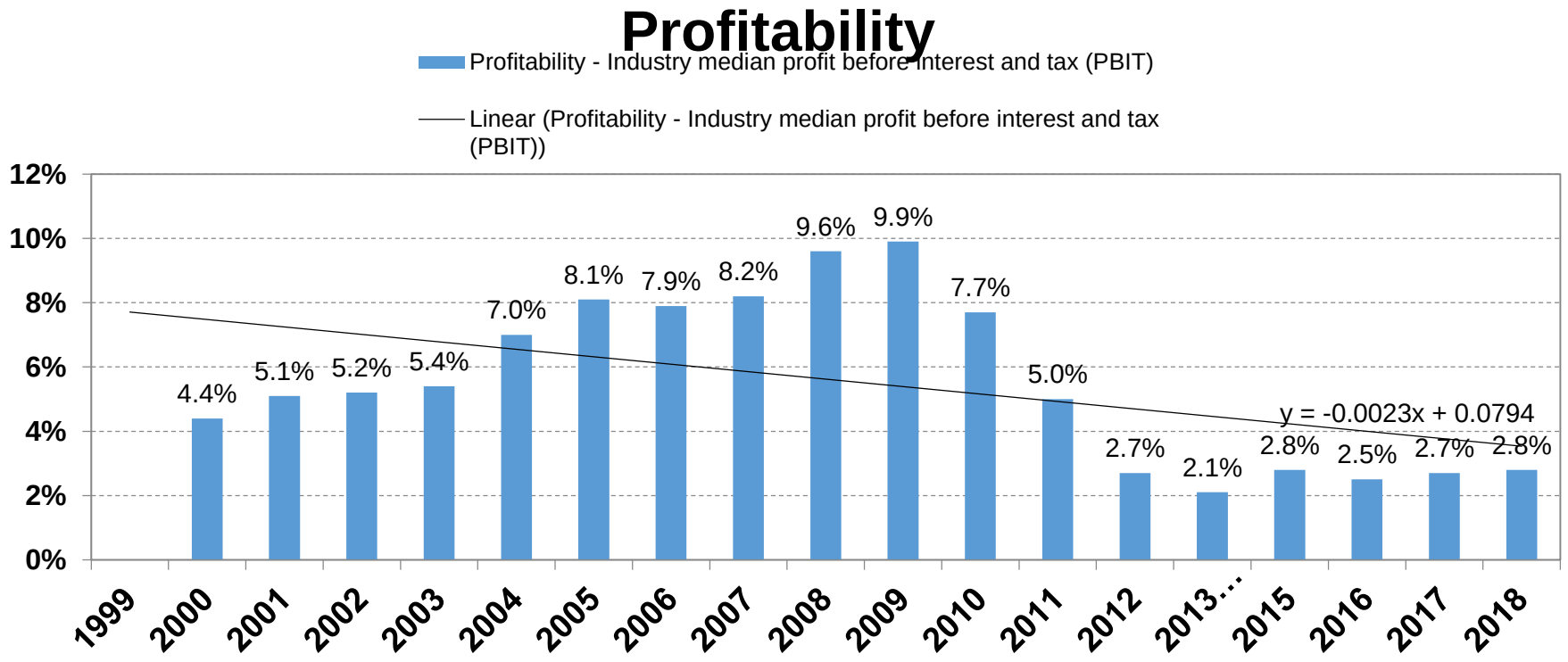
Our data shows productivity has improved over the past two decades…



Profitability remains poor, transformative business models are required



Our new SmartSite KPIs portal and plans for future development

Colm Quinn, Constructing Excellence

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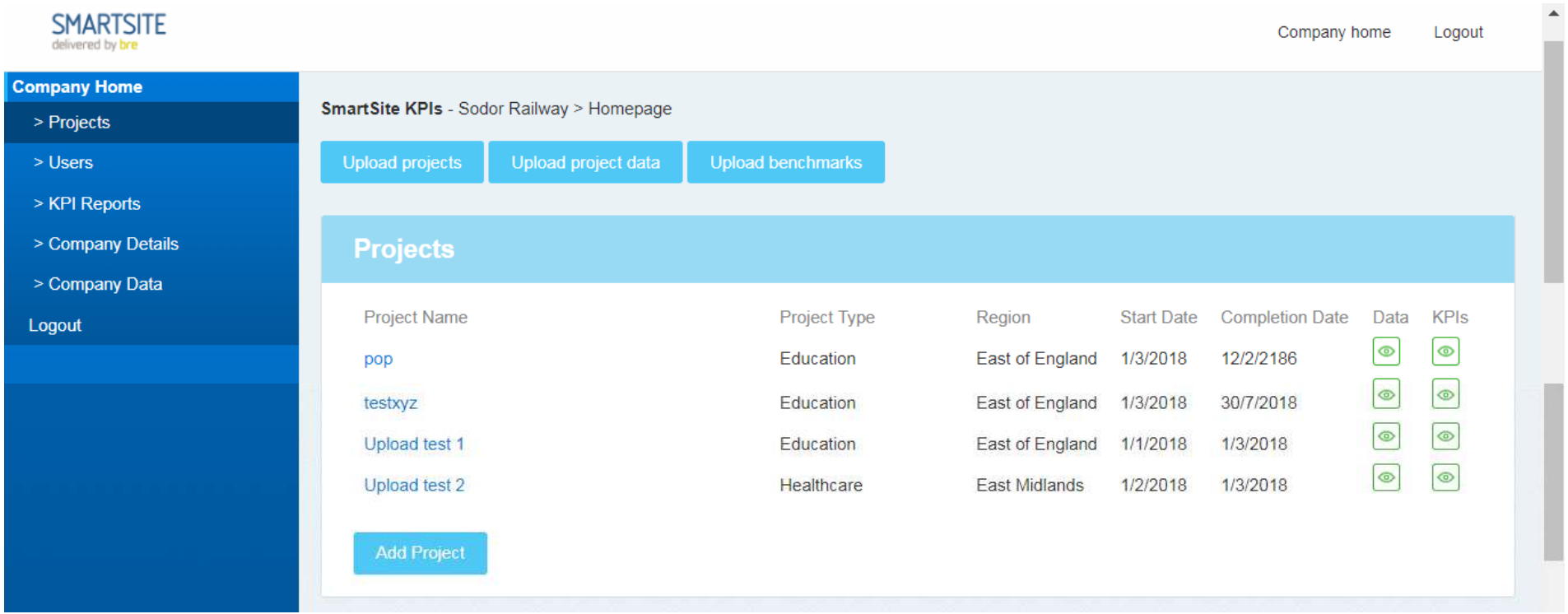
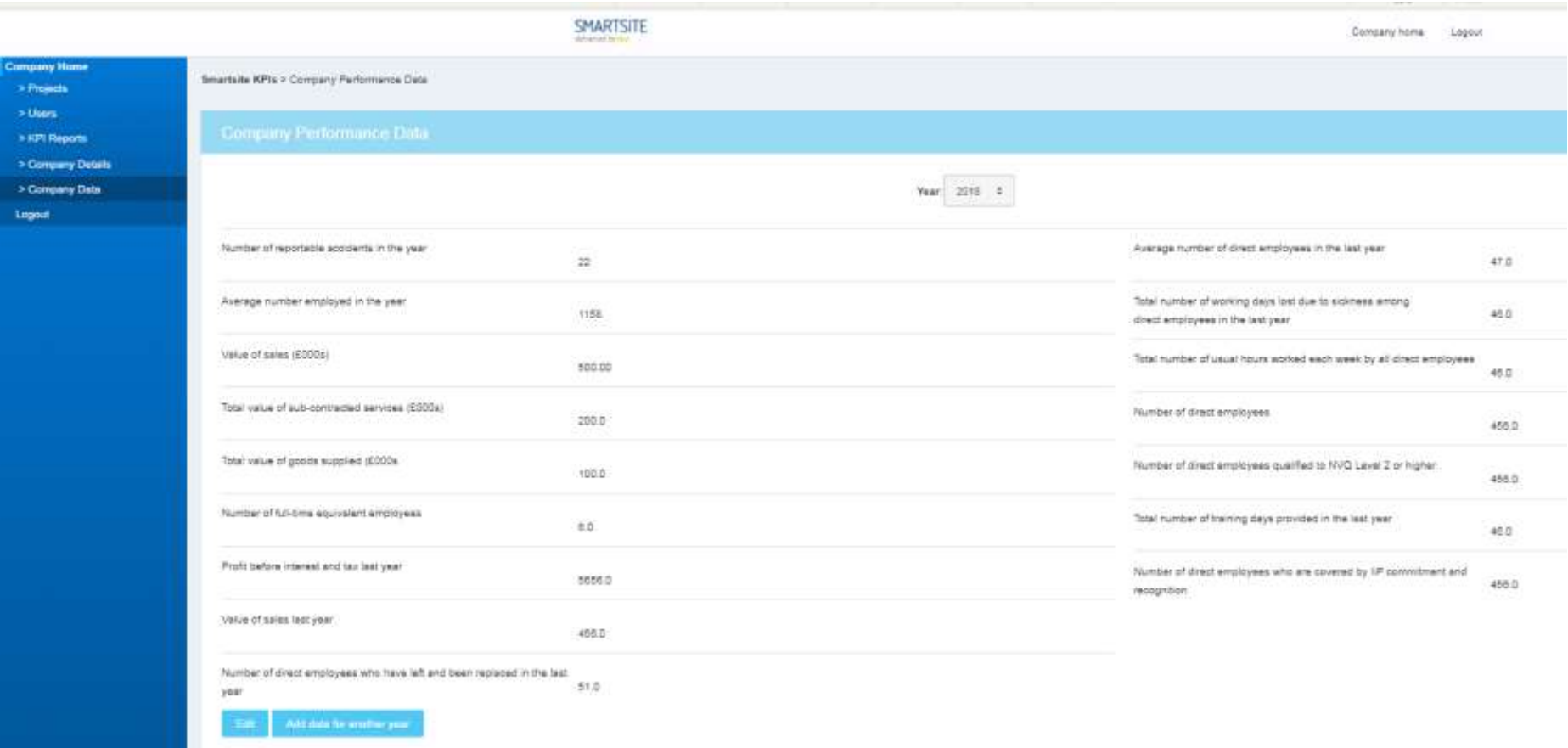
New benchmarking portal – SmartSite KPIs


SMARTSITE
delivered by bre
Company home
Logout
Company Home
> Projects
> Users
> KPI Reports
> Company Details
> Company Data
Logout
SmartSite KPIs - Sodor Railway > Homepage
Upload projects
Upload project data
Upload benchmarks
Projects
Project Name
Project Type
Region
Start Date
Completion Date
Data
KPIs
pop
Education
East of England
1/3/2018
12/2/2186
testxyz
Education
East of England
1/3/2018
30/7/2018
Upload test 1
Education
East of England
1/1/2018
1/3/2018
Upload test 2
Healthcare
East Midlands
1/2/2018
1/3/2018
Add Project


SMARTSITE
Company home
Logout
Company Home
> Projects
> Users
> KPI Reports
> Company Details
> Company Data
Logout
Smartsite KPIs > Company Performance Data
Company Performance Data
Year 2018
Number of reportable accidents in the year
22
Average number employed in the year
1158
Value of sales (£000s)
500.00
Total value of sub-contracted services (£000s)
200.0
Total value of goods supplied (£000s
100.0
Number of full-time equivalent employees
6.0
Profit before interest and tax last year
5656.0
Value of sales last year
466.0
Number of direct employees who have left and been replaced in the last year
51.0
Edit
Add data for another year
Average number of direct employees in the last year
47.0
Total number of working days lost due to sickness among direct employees in the last year
46.0
Total number of usual hours worked each week by all direct employees
46.0
Number of direct employees
456.0
Number of direct employees qualified to NVQ Level 2 or higher
456.0
Total number of training days provided in the last year
46.0
Number of direct employees who are covered by IIP commitment and recognition
456.0

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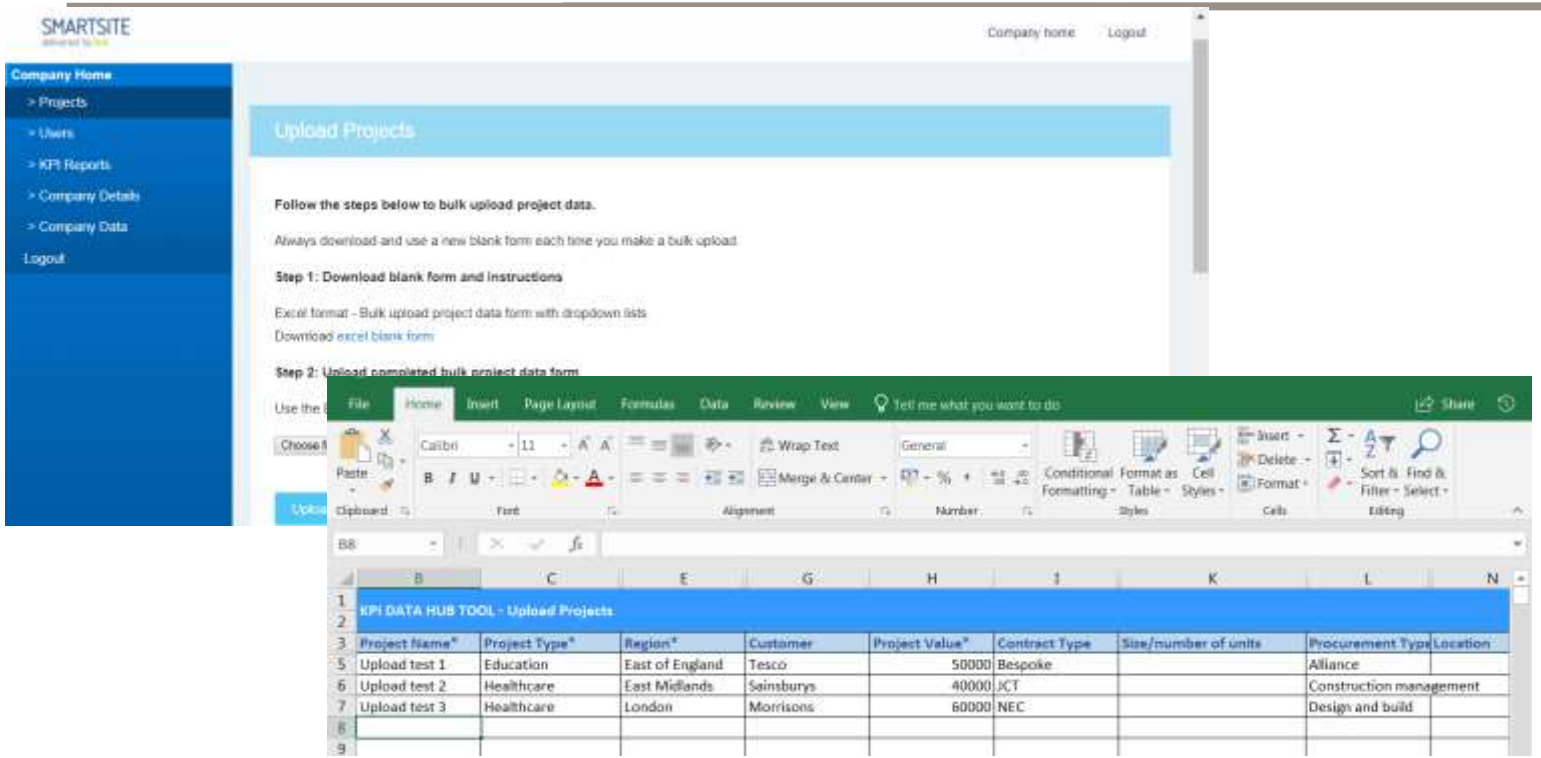

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SMARTSITE
delivered by bre

Company home Logout

Company Home
Project
> Project Details
> Project Performance Data
> Project KPI Report
Logout

Smartsite KPIs > KPI Reports

Project KPI Report : pop

Dataset to benchmark against 2018

Select the KPIs you wish to include in this report.

- [ ] **Select All**
- [x] Client Satisfaction - Service
- [x] Client Satisfaction - Value for Money
- [ ] Client Satisfaction-Product
- [ ] Variance Time - Design
- [ ] Variance Time - Project
- [ ] Waste (Total amount) - Construction Process

Run report

Client Satisfaction - Service
Client Satisfaction - Service
10
8
6
4
2
0
Benckmark: 25%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Bench mark Score
Current KPI Value

Priorities for 2019

- **Please test and give us your feedback** – ask me to set up account
- **Immediate** - What bugs/useability issues need sorting
- **Immeditate** – is this data easy for you to provide?
- **Short term** - What are the “must haves” in terms of functionaliy? E.g. new reports, updated fields etc
- **Medium term** – Priorities for more significant development to the tool, and the KPIs themselves (to be answered in workshop)

building a better world together