

# Latest thinking in performance measurement and benchmarking

Colm Quinn, Constructing Excellence





**10000**  
**STEPS**



fitbit



Sun, Jan 29



6,679 steps



8  
floors



2.93  
miles



2,670  
cals



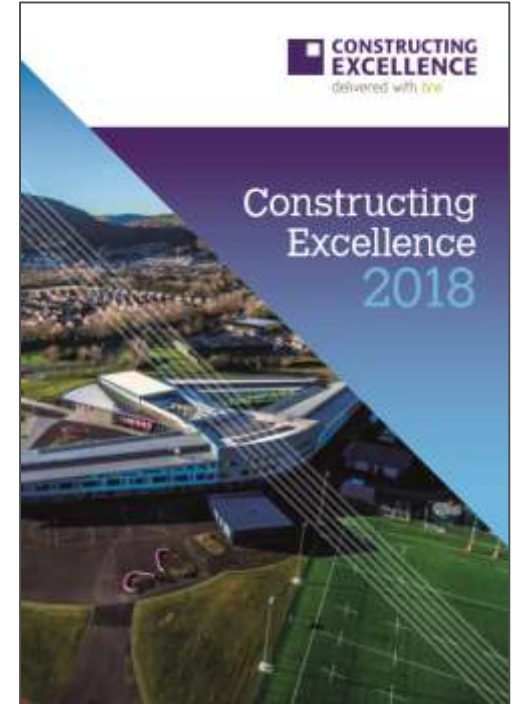
61  
minutes

- About Constructing Excellence
- Why measure performance and benchmark?
- Introducing SmartSite KPIs
- The road ahead



# About Constructing Excellence

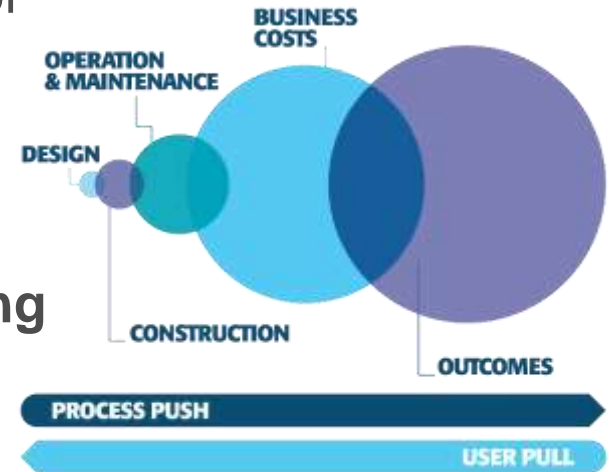
- Not-for-profit best practice and knowledge transfer organisation, part of the BRE Trust group of companies
- A platform for industry improvement to deliver better value for clients, industry and users through collaborative working



# Our vision

## 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





# Background to our work on performance measurement

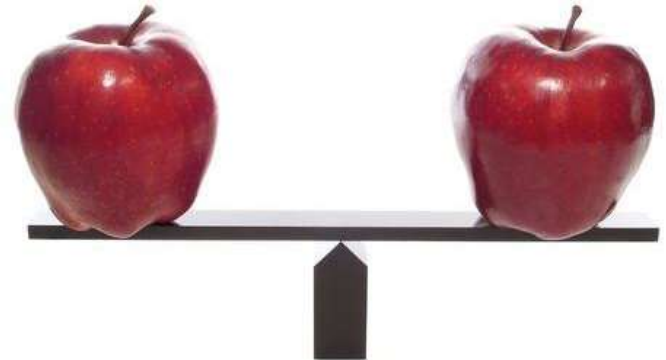
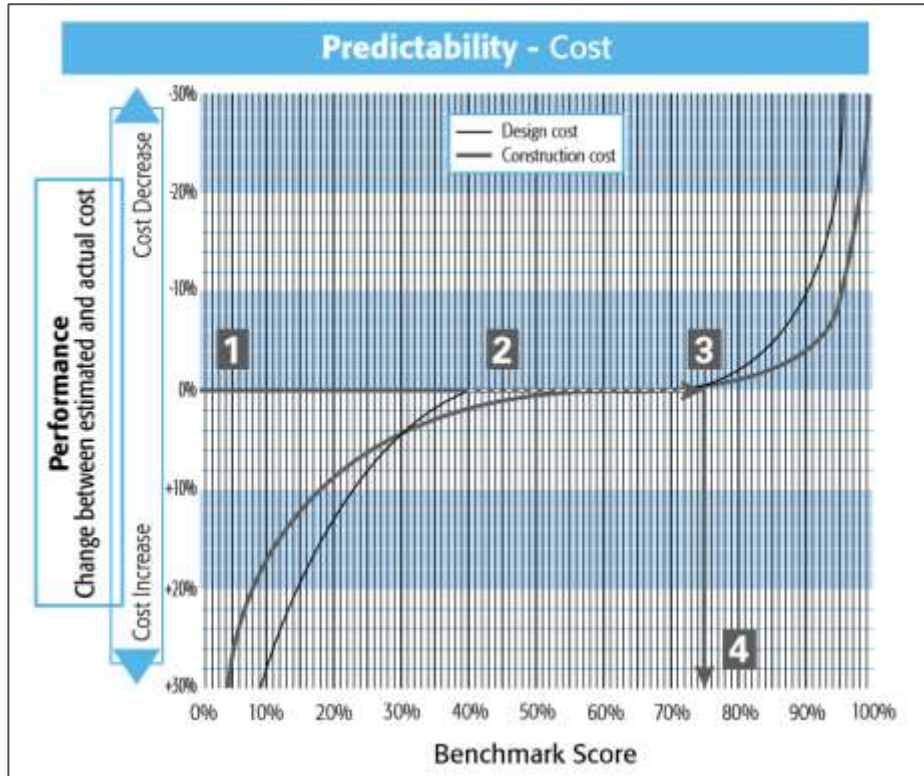
- Constructing Excellence has a strong track record on construction project KPIs with 18 years of national survey data
- Each year with Glenigan we publish an industry performance report of this data
  - 2018's to be launched on Nov 1 2018
- We would like to extend the coverage of these KPIs beyond capital projects into asset performance...
- ... and we need to in order to measure impact of the Sector Deal



# Performance measurement 101

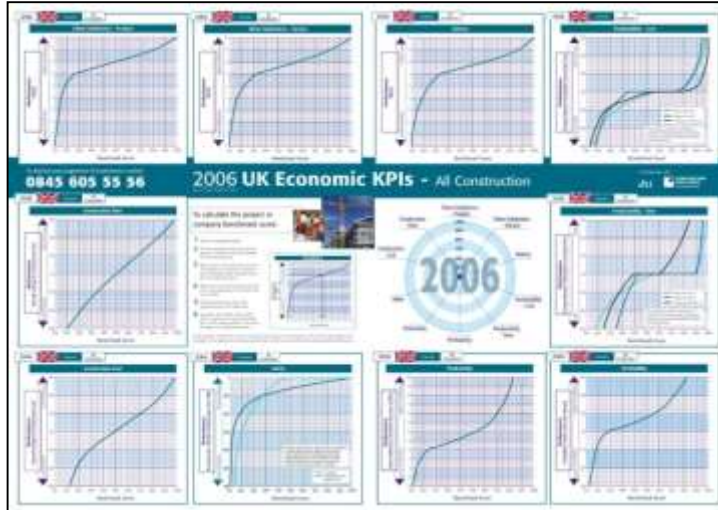


# Benchmarking





“ “ SmartSite KPIs is an online tool that enables you to benchmark the performance of your projects against the rest of the construction industry using the established and nationally recognised Constructing Excellence construction KPIs.



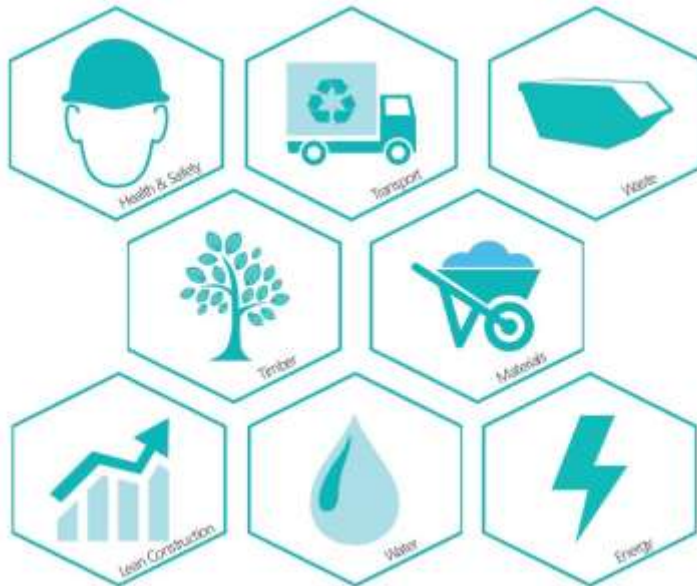
1998



2018

“ “ SmartSite KPIs has been developed in collaboration with Constructing Excellence under the strategic direction of our cross-industry membership.

Software tools to help you meet productivity, safety, health, environmental and quality needs.



Driving efficiency and increasing performance through projects, organisations and supply chains.



**SMARTWASTE**  
delivered by bre

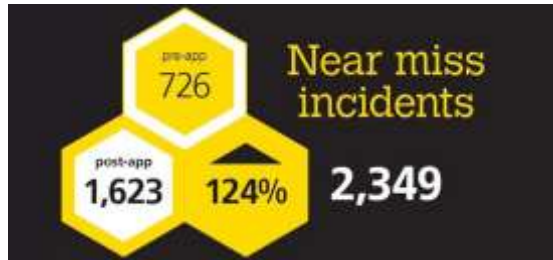


**YellowJacket**  
delivered by bre





Measure all site based data in one accessible online tool.



**YellowJacket**  
delivered by bre



All in one tool



On average SMARTWaste users have reduced related costs by **£12,000** per project

SMARTWaste has been used on more than **14,000** projects valued at **£125 billion**

SMARTWaste users have reduced waste generated onsite by over **40%**

**SMARTWASTE**

delivered by bre  
@BRE\_Group  
#buildproductively



## Benefits of SmartSite KPIs



Use established KPIs



Improve productivity



Demonstrate excellence



Data intelligence

## Use established KPIs

The Constructing Excellence set of construction KPIs have been used for 20 years, and are recognised by government and industry



## Included KPIs

Client Satisfaction-Product

Client Satisfaction - Service

Client Satisfaction - Value for Money

Contractor Satisfaction

Contractor Satisfaction - Payment

Contractor Satisfaction - Provision of Information

Defects

Health & Safety - >£10m turnover

Health & Safety - All Companies

Predictability Cost - Construction

Predictability Cost - Design

Predictability Cost – Project

Predictability Time - Construction

Predictability Time - Design

Predictability Time - Project

Productivity

Profitability

Variance Cost - Project

Variance Cost - Construction

Variance Cost - Design

Variance Time - Construction

Variance Time - Design

Variance Time - Project

Energy Use - Process

Mains Water Use - Process

Waste (Total amount) - Construction Process

Commercial Vehicle Movements

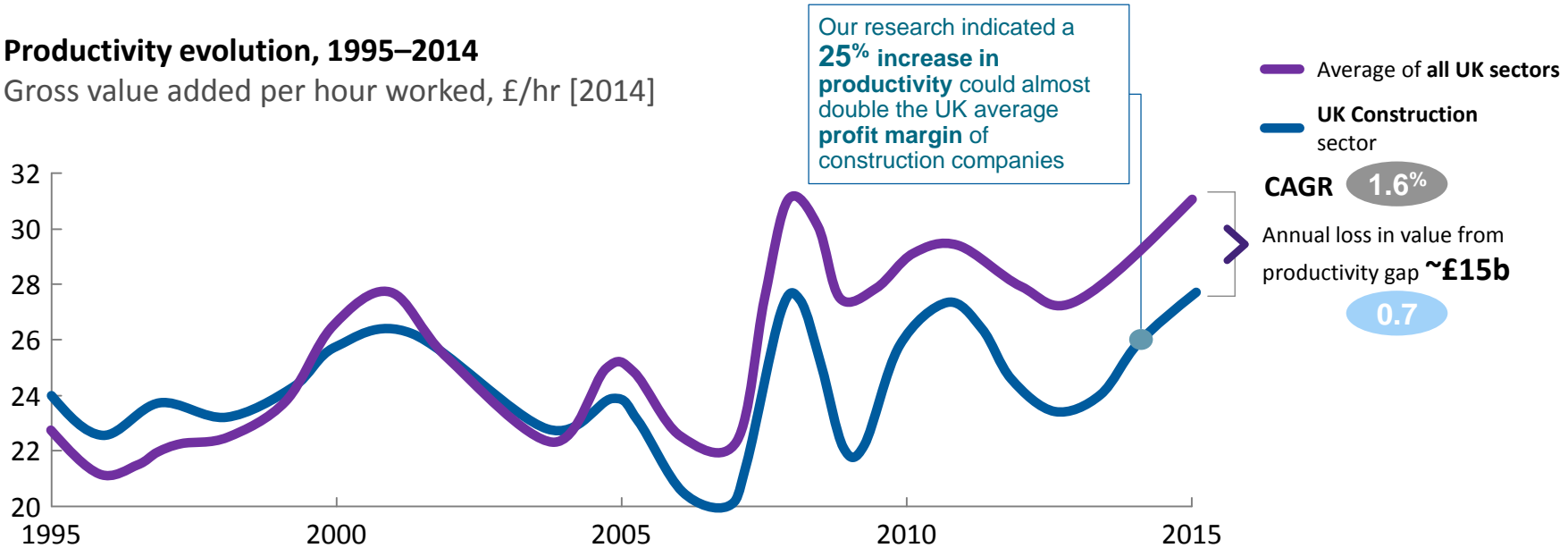
## Improve productivity

Systematically improve your performance by measuring business critical success factors and comparing with others



### Productivity evolution, 1995–2014

Gross value added per hour worked, £/hr [2014]



Source: BEIS - CLC Innovation in Buildings Workstream

## Demonstrate excellence

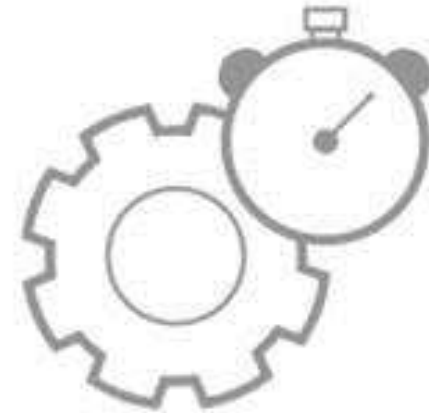
Provide evidence that your projects and organisation perform highly when compared to the rest of the industry





## Data Intelligence

Store performance data from your projects and organisation using a modern digital tool and a recognised methodology



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## Features identified for future development include:

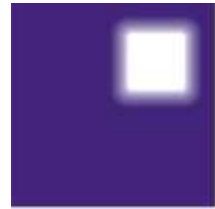
- Custom/new KPIs – company specific or around new priorities (e.g. social value/productivity)
- benchmarking “clubs”, i.e. comparisons between a set of users
- international – interest on 4 continents!
- “live” benchmarking i.e. comparison against data fed into the tool rather than static yearly dataset
- API – ability to talk to users own software/databases



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- Register your interest today – [enquiries@bregroup.com](mailto:enquiries@bregroup.com)
  - Beta testing for Constructing Excellence members October
  - Full Launch – 1<sup>st</sup> November with publication of UK Construction Industry KPI survey results

# Questions





# CONSTRUCTING EXCELLENCE

delivered with **bre**

building a better world together