



## **BSI Group supporting digital transformation in the Built Environment - BIM**

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**INVESTORS  
IN PEOPLE**



# BSI Supporting the digital transformation of the Built Environment

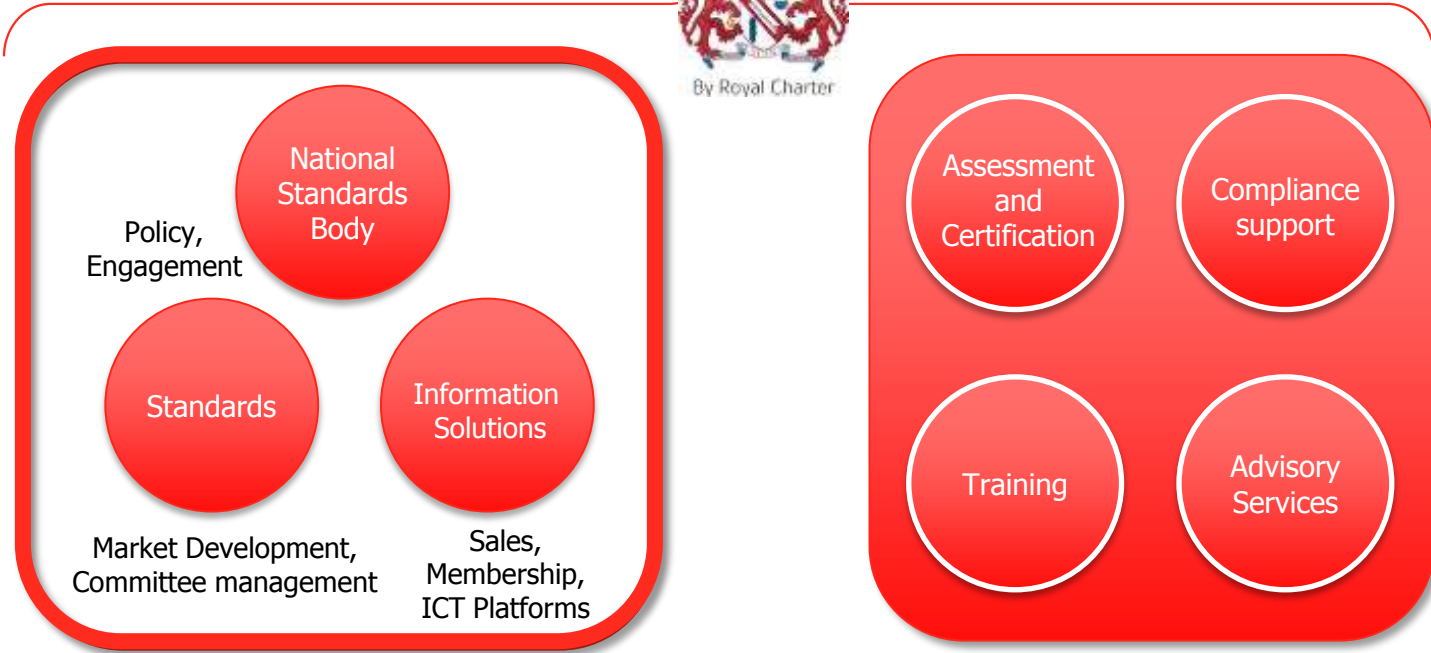
## Agenda:

- Introduction to the BSI Group
- What is BIM and why is it important?
- BIM standards and global adoption to reach BIM Level 2
- BSI Kitemark certification to PAS 1192-2 and PAS 1192-3
- Benefits of Kitemark certification

# BSI Group structure



By Royal Charter



# A truly global brand and network – trusted and recognized



# But what is BIM?

**Building Information Modelling (BIM) is a collaborative process that seeks to add value throughout the life-cycle of an asset.**

**A BIM process sees the creation, collation and exchange of shared 3D models - and a range of intelligent, structured data - with the aim being to improve productivity and reduce waste.**



**Defined Information requirements**



**Collaborative working practices**



**Data exchange and validation**



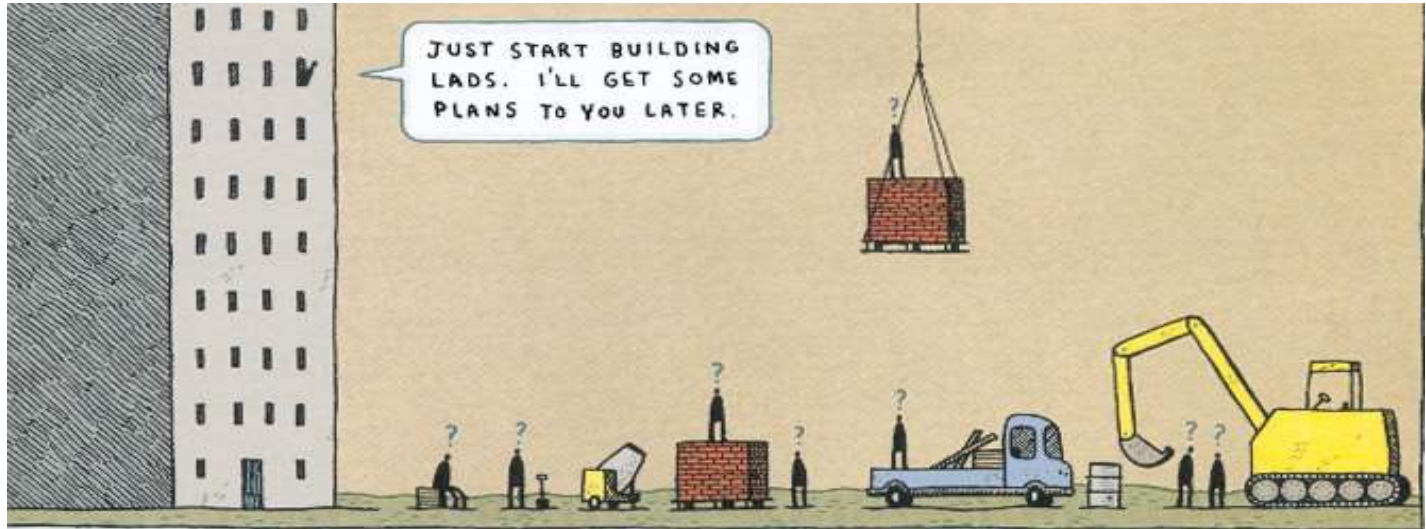
**Security Minded digital working**



**Better outcomes & end user value**

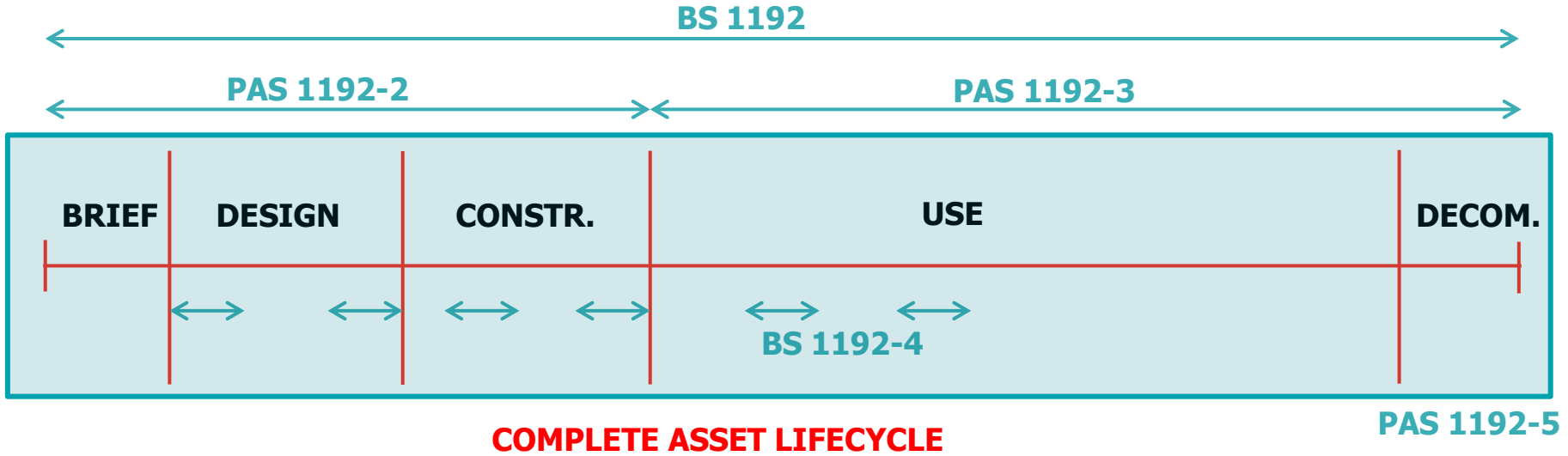
## So, what was the problem?

Not that long ago it wasn't uncommon for new buildings to be **drawn 2.5 times**, and **constructed 1.5 times**...



= **poor value**, and **poor productivity**; and that's just the construction phase...

# Applying **BIM**, through Standards



## COMPLETE ASSET LIFECYCLE



# BIM Level 2 Product Certification

## **PAS 1192-2**

Design and Construction  
Launched December 2016



## **PAS 1192-3**

Asset Management  
Launched July 2017



## **PAS 1192-5**

Information Security  
Being launched early 2018



BIM Kitemark design & construction





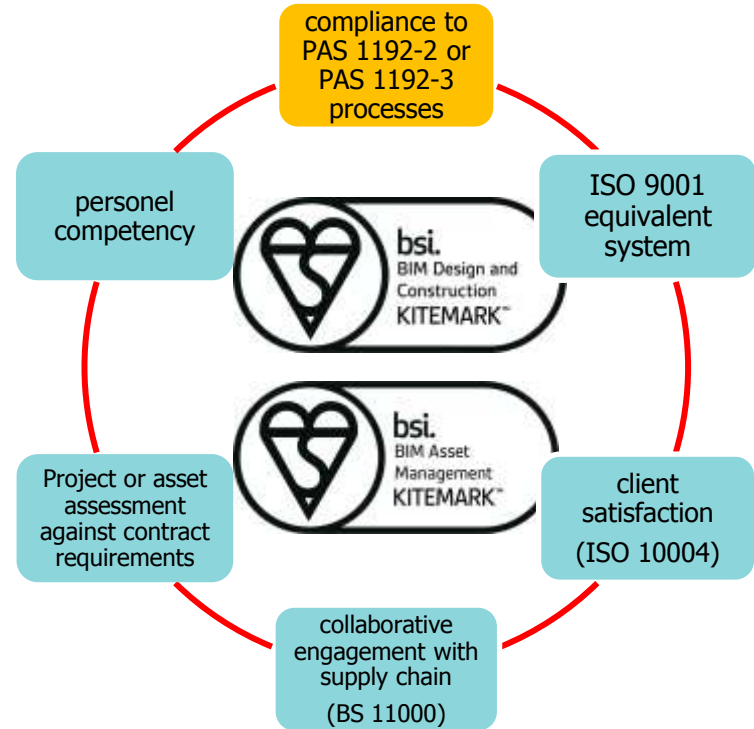
# Developing the Kitemark collaboratively...

## Key areas of assurance through the BSI Kitemark;

**1) Project delivery** - successful and effective use of BIM processes

**2) Customer satisfaction** - assurance of *customer service excellence*

**3) Collaborative working** - effective and collaborative supply chain management



# The benefits of BIM



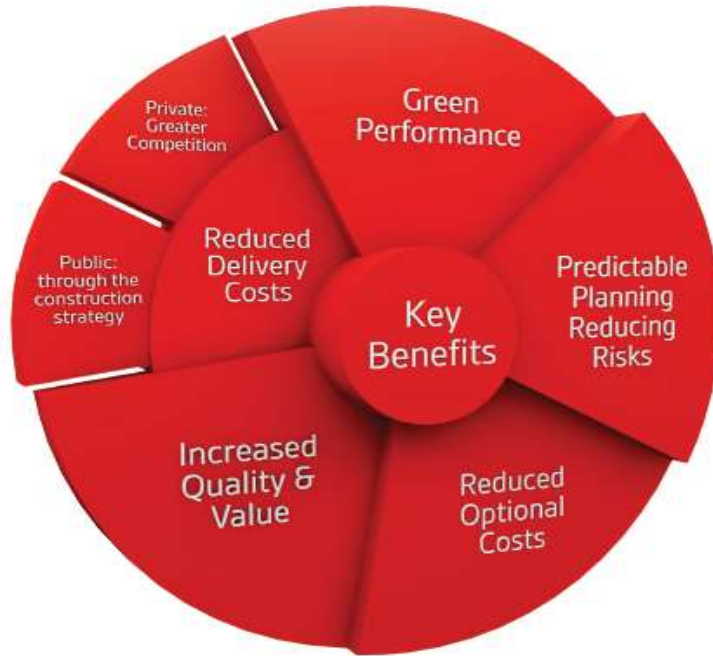
**Client**

- Lower costs
- Faster delivery
- Lower emissions
- Better customer services
- Risk management



**Constructors**  
Contractor/Subcontractor,  
Fabricator & Supplier/Manufacturer

- Sequencing
- Clash detection
- Reduced abortive work
- Off site manufacture
- Competitive export & growth
- Health & Safety



**Designers**  
Designers, Specifiers  
& Cost consultants

- Improved coordination
- Visualisation
- Better cost estimating
- Competitive export & growth



**Operators**  
Facilities Manager  
& Occupier

- Asset knowledge
- Better information
- Soft landings

## Additional benefits:

- High levels of collaboration
- Consistent and coordinated designs
- Highly constructible design solutions

# Benefits of BSI Kitemark to our clients

- **Differentiate** products and services from the competition
- Gain access to **new markets** where Kitemark is specified or reassurance required
- Win new business by providing **proof** of consistent quality to specifiers
- Command **price premiums** due to increased confidence in quality
- **Reduce risk** and provide evidence of due diligence
- Maintain **quality** and reduce waste
- Improve **customer satisfaction**



**bsi.**

...making excellence a habit.™