



## Making supply chains more efficient

How we're working with government and industry to create standards that will cut costs by improving construction supply chain data access

### Challenge

Inefficient communication of data through supply chains is believed to account for up to 25 per cent of the total cost of large-scale construction projects, often because information is inaccurate, incomplete or ambiguous. Improving efficiency in the process will reduce capital cost and bring through-life benefits.

### Solution

BIM (Building Information Modelling and Management) is the process of generating and managing building and infrastructure data during its life cycle, typically by using 3-D and non-geometric data through information exchanges in a collaborative environment to increase productivity in the design, construction and operation of an asset. BIM also enables data to be shared more efficiently by members of a project supply chain.

BSI has been working with government and industry to develop BIM standards that facilitate more efficient data interoperability. A broad range of stakeholders helped to

create *Building information management – Information requirements for the capital delivery phase of construction projects*, PAS 1192-2.

David Philp, Cabinet Office Head of BIM Implementation, says: "Recently we met with the UK Contractors Group [the primary association for UK building contractors] and they said because their members had been involved in helping to shape the PAS, they already felt it was theirs."

Mark Bew chairs the HM Government BIM Task Group. He led creation of the BIS BIM report that ultimately fed into the Government Construction Strategy, which declared that by 2016, Level 2 BIM would be implemented on *all* centrally procured public sector construction contracts.

He says: "Standards can play an important role in ensuring the wider adoption of BIM technologies, processes and collaboration. By ensuring that the same accurate data can be accessed throughout the supply chain, standardization of BIM could help save significant sums." But the benefits don't end there. Bew adds: "Standardization

of BIM could fuel major growth and investment in the construction industry in the UK and elsewhere. We need to ensure that the UK is at the leading edge of BIM, now and in the future."

### Outcome

As well as bringing together experts from industry, government, institutes and academia to form the BIM Task Group, BIS and the Cabinet Office paid the development costs for PAS 1192-2, a specification that organizations of all types will be able to use without charge. "The idea is to remove barriers to use, particularly for SMEs," stresses Philp.

In 2013, work will begin on developing PAS1192-3, which will provide guidance on using the asset information model, the specification for BIM data that will be given to clients for use during the operational phase of the asset.

To find out more about BIM standards please visit [shop.bsigroup.com/BIM](http://shop.bsigroup.com/BIM)

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