thinkproject

YOUR BIM STRATEGY

THE DEFINITIVE GUIDE
TO BUILDING INFORMATION MANAGEMENT

BIM:

MODELLING OR MANAGEMENT?

The term "Building Information Modelling" has been established for many years, but the word "Modelling" can be misleading. Is it just about creating building models?. Whilst modelling is an important part, it doesn't reflect the full power of BIM.

BIM also refers to a collaborative work method that enables project stakeholders to manage and connect available project information (graphical and non-graphical) throughout the project lifecycle in order to achieve greater transparency for all involved parties.

WITH THIS IN MIND, LET US EXPLORE BUILDING INFORMATION MANAGEMENT.

3 Essential Goals for Building Information Management

1 Share 3D models and profit from their depth of data project-wide

2 Establish an efficient work method in your project

3 Ensure availability of information throughout the project lifecycle

This will result in better data, better collaboration, and lead to better decisions.

1
DATA

Building Information Modelling results in a vast amount of data as 3D building models are enhanced by related information such as measurements or other specifications. Additional dimensions can be included for scheduling and time management (4D) and costs (5D).

When it comes to working with different types of information, and thus different types of data and sources, the following aspects need to be considered and defined for efficient Building Information Management:

- Information and data requirements and expectations need to be defined so that all parties know what input they are expected to contribute

- For smooth Building Information Management, all stakeholders must rely on open formats of data exchange (like IFC or BCF) to ensure that everybody can work with the data provided

2
PEOPLE AND RULES

In all management tasks, people are a crucial success factor. For successful Building Information Management, the following questions need to be answered:

- Who has the control of information?

- Who owns the copyrights to the created information and who is liable?

- How can commitment by all project partners be ensured?

- Does everyone involved have enough information and knowledge to contribute to a successful BIM project?

3
PROCESSES

Processes must be defined to ensure a smooth flow of information and coordinated interaction between all project stakeholders. Simply put, you want to know who needs to do what and when. Below are some common questions that need to be answered:

- How are the (partial) building models provided by different trades coordinated?

- Who is involved in data creation and how, when and to whom, is it handed over?

- Are the standards for information management processes (ISO 19650) met?

4
TECHNOLOGY

Building Information Management is not just about software, but it plays an essential role. Many vendors claim to provide "the leading software for doing BIM". However, it is not just one piece of software (e.g. an authoring tool) that does the job. What you'll need is:

- Software to create and check BIM information

- Software to manage BIM information and to collaborate with all parties involved

For the latter, Technology, you should consider a:

BIM-ENABLED COMMON DATA ENVIRONMENT (CDE).

A CDE is the place where all project information (any graphical or non-graphical data) is collected, managed and disseminated. A CDE is essential for implementing BIM into any project as it facilitates collaboration, brings structure into project information, enables workflows and approval processes, and much more.

FURTHER READING

Want to learn more about the collaboration and information management component of BIM? Many experts and organisations focus on this topic and can provide valuable insights applicable for all types of projects and companies. We highly recommend:

'GOVERNMENT CONSTRUCTION STRATEGY'

- details the efforts of the United Kingdom to increase efficiency in public construction projects with a strong focus on digitalisation and BIM

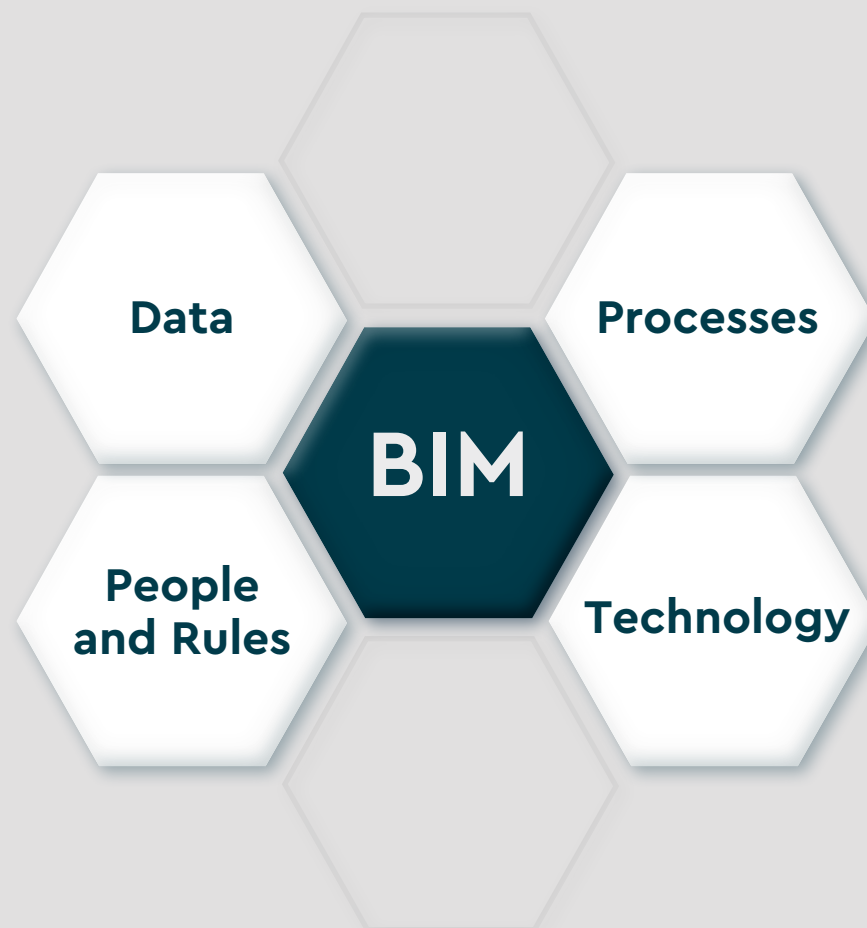**HTTPS://BIMPORTAL. SCOTTISHFUTURESTRUST.ORG**

- gives information on BIM concepts and terminology

DIN EN ISO 19650

- International standard for information management in Building Information Modelling

PAS 1192-2

- British standard for information management in Building Information Modelling

Data

Processes

BIM

People and Rules

Technology

BIM Collaboration is one of a series of thinkproject materials aimed at helping individuals tackle BIM head-on.

Want to know more? Visit our website to view our handy BIM resources:

www.thinkproject.com

About thinkproject

Based in Munich, Germany, thinkproject is a global leader in construction intelligence, unlocking the potential of people and information through digital technologies to enable better industry results.

It is the leading Europe-based construction and engineering SaaS provider with 2,750 customers, more than 250,000 users in over 60 countries, and over 400 employees.

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