

# **BIM Fundamentals - Infrastructure.pptx**

17 - 24 Aug 2022

Poll results

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## What would you like to get out of this course?

005

- BIM understanding.
- understand bim
- knowledge, enlightenment, BIM
- Get grasp of fundamentals
- Understand what BIM is

## Who has heard of the term "Digital Twin"?

0 1 0

Yes



No



# Which phase captures and collects the most data?

007

(1/2)

Procuring

0 %

Designing

86 %

Assembling

14 %

Operating

0 %

Maintaining

0 %

Decommissioning

0 %

**Which phase captures and collects the most data?**

(2/2)

007

Recycling

0 %

## What does BIM stand for?

009

Better Information Management



11 %

Building Information Management



22 %

Building Information Modelling



67 %

## How would you rate your knowledge of BIM?

008

Understand everything about BIM

0 %

I have an understanding of what it can do

25 %

I have heard of it, but not much more

50 %

Never heard of BIM

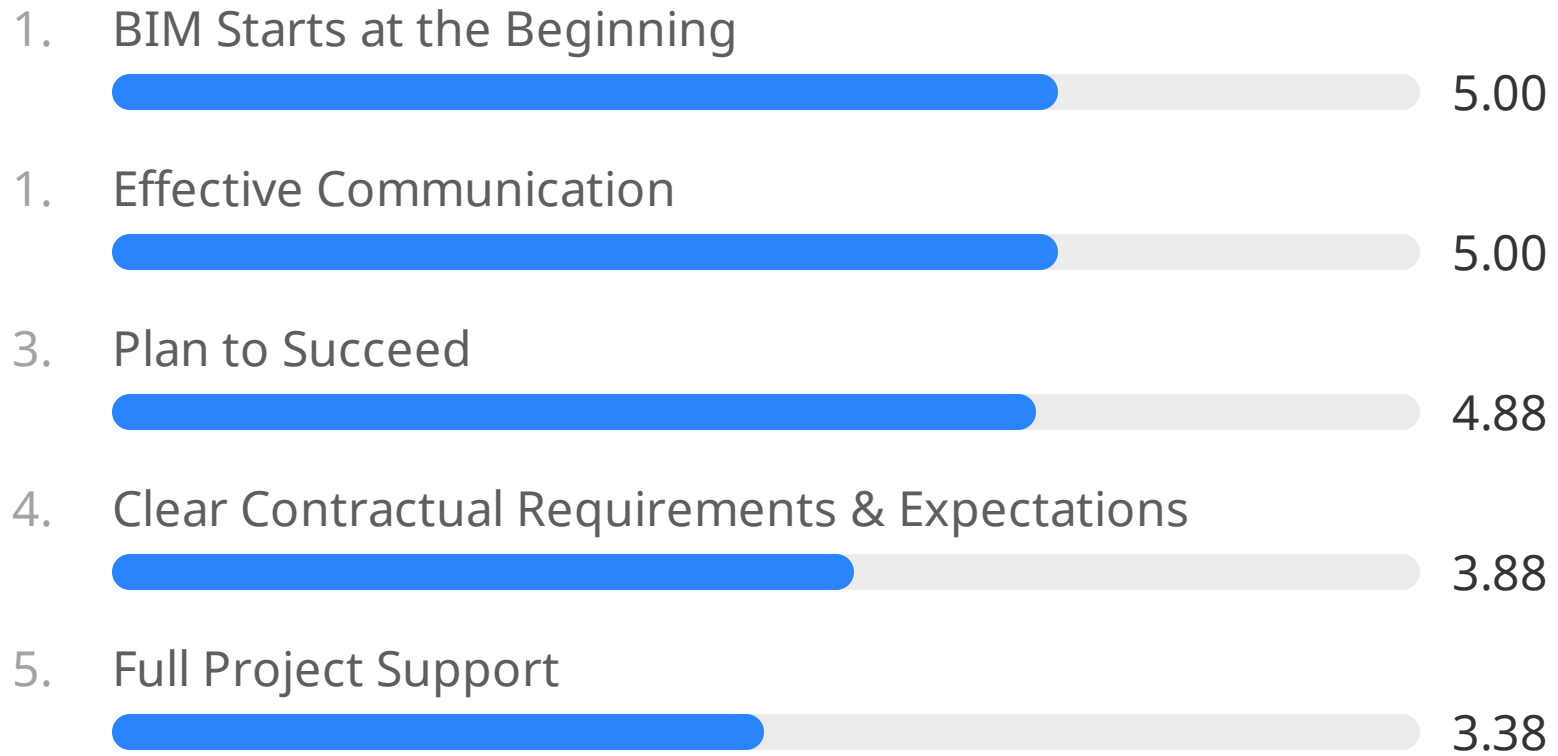
25 %



## Rank what you think are the key principles of BIM?

008

(1/2)



## Rank what you think are the key principles of BIM?

(2/2)

008

6. Open & Collaborative Projects



7. Don't take Shortcuts



## In which year was the UK Construction Strategy first published?

005

(1/2)

2016



2001



2011



2018



1998



**In which year was the UK Construction Strategy first published?**

(2/2)

005

1995

0 %

## Why is BIM important for Design coordination?

0 0 2

- Can follow all revisions clearly
- Latest information on documents
- One version of the truth

## Why is BIM important for Construction Scheduling?

003

- Assist value engineering early
- Saves time and money
- accomodates change
- Let's you see areas of integration

# Which continent first used BIM?

006

USA



UK



Europe



Scandinavia



East Asia



Australia



## Who has heard of ISO 19650?

005

Yes



No





## What is a Common Data Environment (CDE)?

003

- One single source of the truth across projects
- Share, manage and collaborate on project documents & drawings
- An area for collaborative information sharing
- Information relating to projects is stored
- A tool to store all project information

Survey (1/5)

006

## What does BIM Stand for?

Building Information Management



Building Information Modelling ✓



Better Information Management



Multiple-choice poll (Multiple answers)

Survey (2/5)

006

## In which phase is BIM used?

Design ✓



Construction ✓



Operation & Maintenance ✓



Survey (3/5)

006

## Is BIM a type of software?

Yes



No



## Select an element of an information model?

Asset data ✓



Appointment documents



Documentation ✓



Graphical Models ✓



Survey (5/5)

006

## In the Information Management Function in the Delivery phase, who is the Client?

Appointed Party



Lead Appointed Party



Appointing Party ✓



## What trends are we currently seeing in the construction industry?

0 0 4

- Interconnectivity
- Use of CDE
- Lack of skilled work force Increase in manufacturing off site
- Drones
- Automation and more complex machines: concrete 3d printing or bricklaying robots.