

BIM for Asset Management Explained in 7 Steps

1. Assets



The **ISO 55000 standard** defines an asset as anything that an organisation deems valuable to their business.



E.g. Buildings



E.g. People



E.g. Data & Information

2. Asset Management



Asset Management is defined in ISO 55000 as *'the co-ordinated activities of an organisation to realise value from its assets'*.

In other words, organisations implement **asset management plans** to ensure an asset's perceived value translates into a noticeable benefit within the organisation.

3. Asset Management Plan

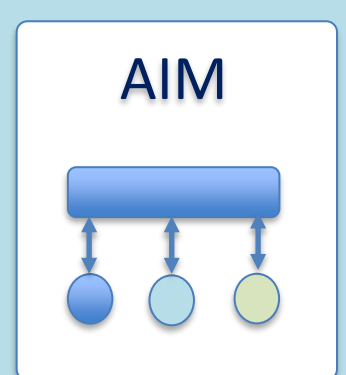


Effective **Asset Management Plans** involve the analysis of asset information.

4. Asset Information Model

Asset information must be easily retrievable for analysis.

E.g., Projects that adopt the **BIM** (Building Information Modelling) framework use an **Asset Information Model** (AIM) to store the information.



5. Information Management

People looking after asset information must ensure the information remains at a consistently high level of quality so that Asset Managers can analyse the information with confidence, and make reliable business decisions based on their analyses.

Effective information management processes must be adopted to ensure asset information remains:

- Relevant
- Accurate
- Complete
- Up-to-date
- Easily accessible to Asset Managers
- Secure from unauthorized access



6. BIM



The **BIM ISO 19650-3 standard** provides guidelines on how to effectively manage information stored in an Asset Information Model.

7. Asset Information Requirements

A critical step in asset information management is identifying asset information that is valuable to the business and needs to be collected during the delivery of a project.

The ISO 19650-3 standard provides guidelines on how to establish asset information requirements to support effective asset management.



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- BS EN ISO 19650-3 (2020): Organization and digitization of information about buildings and civil engineering works, including Building Information Modelling (BIM) Information Management using building information modelling (**Part 3: Operational phase of the assets**).