eBim

From data capture to building management

Steve Smith
What Does It Stand For?

Building Information Model, Building Information Modelling, Building Information Management

What Is It?


It's All Of The Above And More!
eBIM
How do we get there?

Reality

Digital Representation
Data capture techniques

- GNSS
- TLS
- Photogrammetry / SfM
- Total Station
- MLS
- UAV
Our Previous Experience

• 25 Years Experience on Historical Buildings & Railway Network
• Working on a global scale with agencies including CRCI India, English Heritage, UNESCO, USA National Parks, Network Rail, Local Councils
Modelling

1) Register scan data
2) Reference collected data
3) 3D Modelling
4) Populating attributes
Range of Deliverables

- Floor Plans
- X-sections
- 3D Models
- Elevations
- Ceiling Plans
- Sectional El.
- Orthos
- Roof Plans
Relevance of LOD in eBIM
Key benefits of eBIM:

1. Planning, decision making, communication
2. Accurate 3D model
3. 2D drawings
4. Structural elements + Assets
5. Single dataset – multiple users
Summary & Case Study

Value of eBIM from a UK Station Case Study

• Cost Saving
• Asset Management (AC, Heating, Maintenance)
• Understanding Available Space (Maximising available space, revenue and working capacity)
• Connectivity to Smart City Infrastructure & Databases
• Enables collaboration without need of having multiple copies of the data
Thanks for listening -

Feel Free To Email Any Questions

steve.smith@iictechnologies.com