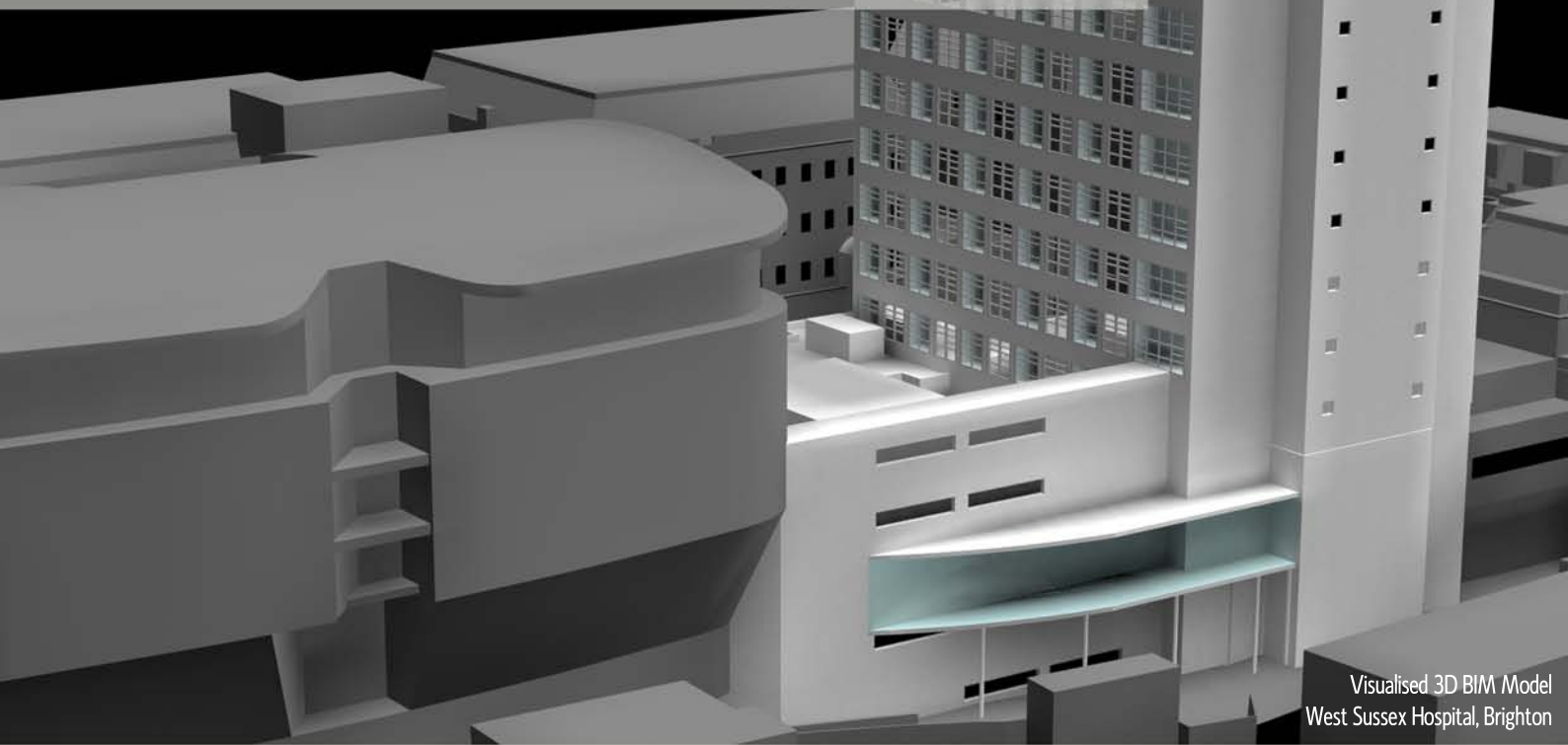


3D Laser Scan to BIM



Visualised 3D BIM Model
West Sussex Hospital, Brighton

Severn Partnership have been developing skills in 3D laser scanning since 2004 and have been involved with several BIM projects, both large and small.

So combining our RICS Chartered status with an established quality system (audited by BSI), state of the art Leica HDS scanning equipment and 3D modelling expertise we are able to offer a comprehensive BIM service.

What is Scan 2 BIM?

Utilising laser scan data to capture the as-built environment, allows for faster more accurate 3D BIM model creation.

Ideal for refurbishment or retro-fitting projects, scanning both externally and internally builds a high accuracy 3D survey from which to create the intelligent model.

Why Scan 2 BIM?

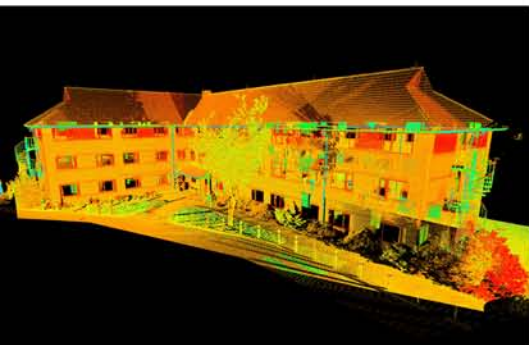
The implementation of BIM is fundamentally changing the way the construction industry works. Paul Morrell, the government's chief construction advisor has said that "...a client can derive significant improvements in cost, value & carbon performance through the use of open sharable asset information", BIM.

Scan2BIM can provide a faster, more accurate, more comprehensive method for capturing survey data critical for refurbishment or retro-fitting BIM projects.



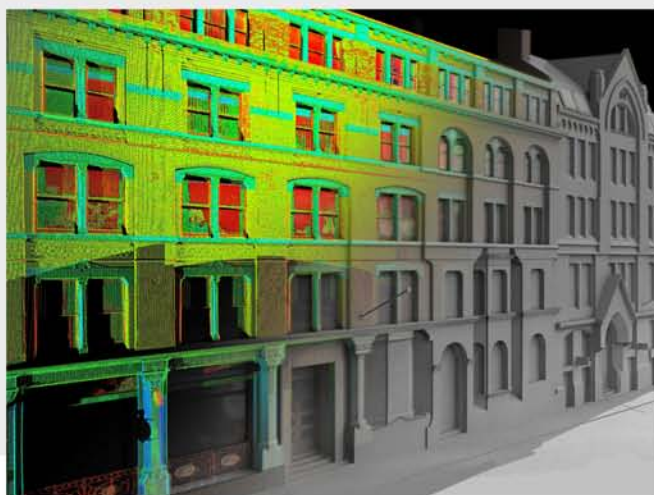
Using the latest High Definition Scanning equipment for the best results





Benefits of Scan 2 BIM

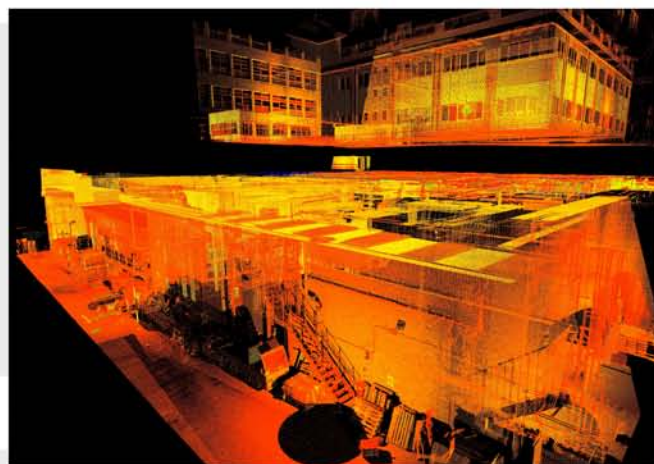
- **Improved** - communication, collaboration & transparency
- **Lower** - overall costs on build
- **Reliable** - quality checked data (model against scan)
- **Faster** - decision making, implementation of project alterations
- **Less** - time on site, missed data, rework, construction clashes
- **Fewer** - errors & costly mistakes, plan virtually
- **Phased** - scan & model parts of the project when & if required
- **Better** - sustainability, using BIM throughout the building's life
- **'What If'** - plans & sequences can be optimised virtually



Examples of our Experience

Severn Partnership has provided high definition laser scanning and 3D BIM modelling solutions for the following projects:

- West Sussex Hospital, Brighton - hospital tower & majority of site
- Harper Adams University, Shropshire - accommodation blocks
- Shrewsbury Town Football Club - Greenhous meadow stadium
- Crewe Train Station - example project



Project Deliverables

- 3D laser scan point cloud
- Leica TruView dataset - accessed via web browser
- 3D intelligent BIM model
- Rendered visualisations & flythroughs
- Topographical survey of surrounding area
- 2D floorplans, elevations & sections (from BIM model)
- 3D PDFs - accessed via Adobe's free Reader software



Contact [Nick Blenkarn](#) or [Mark Combes](#) to arrange a free visit and talk through your potential requirements.

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