

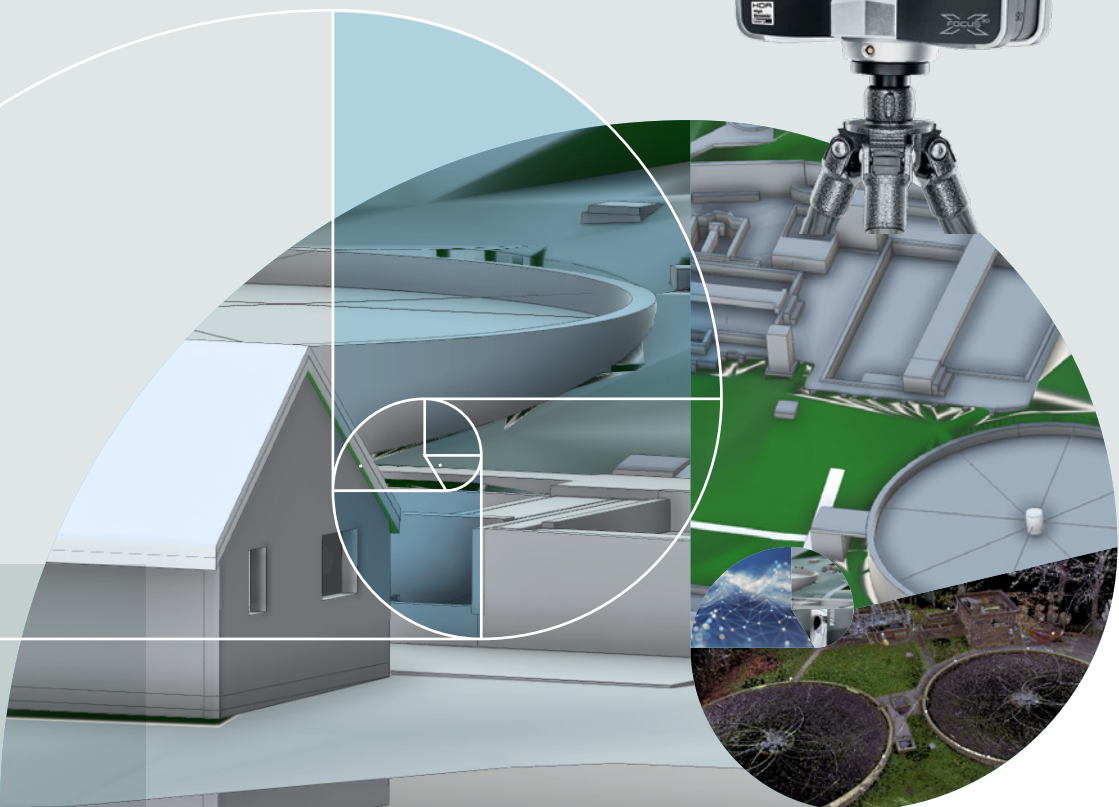


ProDroneWorx

Aerial & Terrestrial Surveying, Inspection & Modelling

SCAN TO BIM & REVIT MODELLING

Specialist expertise for the construction,
infrastructure and asset inspection
industries



To find out more visit prodroneworx.co.uk / +44 (0)7805 864642

We use 3D laser scanners to create accurate and detailed point clouds that play a key role in Building Information Models (BIM) that can be used in renovations, retrofits, refurbishment or the build environment.

Building Information Modelling (BIM) is the creation and management of data through a buildings or infrastructures life cycle where intelligent 3D models are used. We can create accurate BIM 3D models from surveyed 3D laser scanning data.

The benefits of 3D laser scanning are as follows:

3D laser scanning is ideal for quickly capturing buildings or infrastructure in high levels of detail. With this information our 3D BIM modellers can accurately recreate the as-built environment using BIM software. This intelligent 3D model can be manipulated, changed, analysed and adapted by the user.



measured



point cloud



GPS data



3D plan



integration
with CAD



global reference
system

Building Information Modelling (BIM) can be used as follows:

- Improving the understanding of planned versus actual.
- The initial as-built BIM 3D model created from the laser scan data can be used as the primary BIM model, which can be manipulated, changed, analysed and adapted throughout the project life cycle.
- Improving MEP (mechanical, electrical, and plumbing) design quality and collaborate to support the project delivery process.
- Reducing errors and increasing productivity.
- Highlighting any clash detection in design and reducing significant changes during the construction stage.
- Topographical surveys for Revit terrain on new build or existing sites.
- Marketing and Media – models can be visualised and rendered for use in promotional campaigns and media releases.

