

Faro 3D Scanning



GGP Consult are market leaders in the 3D industrial and architectural scanning world. Using the newly emerging surveying technique for unparalleled data capture, GGP model the real world environment to a level of accuracy and degree of detail never before possible.

GGP have been scanning/modelling industrial and architectural data for over 18 months and take pride in being one of the very few companies in the UK that provide this service.

Utilising advanced 3D laser scanning devices on site, trillions of measurements are taken around areas of interest, accompanied by hi definition photographic sweeps in full 360 degree horizontal and vertical rotations, upto 330 metres away from a single scanning station.

Multiple scanning stations are compiled in house with very powerful computer and software products to produce 'point clouds' of usable data. This data is shunted into various platforms, to allow for the modelling process.

The end result can be as complex as full BIM models and 3D plant component breakdowns, or as simple as traditional 2D plan and section drawings and everything else in between.

GGP are currently working with clients such as Amco, Siemens, Alstom, Doosan Babcock, Sainsburys, SSE & Tata Steel.

Architectural Services

- Feasibility/Concept Design
- BIM – Building Information Modelling
- Revit 3D Detailing
- 3D Visualisations and Walkthroughs
- Interior Design
- Planning Applications
- Building Regulations Applications
- Detailed Design
- Tender Packages
- Site Supervision
- Budget Costings
- Design and Build Support
- Sustainability

Engineering Services

- Civil Engineering
 - All Civil Design
 - Flood Risk Assessments
 - Site Investigations
 - Drainage
 - Highway Design
- Structural Engineering
 - All Structural Design
 - Structural Assessments
 - Seismic Design
 - Fabrication Detailing – Tekla

- Rail Engineering
- Marine Engineering
- 3D Laser Scanning Surveys
- Topographical Surveys
- CDM Co-ordination
- Expert Witness
- Reverse Engineering