benchmarq
Project Services

Case Study : Scan-to-BIM

Project : St Helier University Hospital

Requirement : **Enhanced Mass (Building) Model**
Data : **Laser scanner and point cloud**
Deliverable : **AutoCAD 3D DWG file**

As part of its 5 year Estate Strategy 2016-21, the Epsom & St Helier University Hospitals NHS Trust has commenced a number of projects. One of its hospitals, St Helier in Carshalton, Surrey will be upgraded and developed to improve the delivery of its clinical services and respond to the needs of the local health economy by bringing more patients onto the site. In order to proceed with plans to develop the site the Trust required up to date survey and modelling of this vital asset.

Our brief was to:

- Receive and process the point cloud survey data for the site from our survey partner.
- Create an enhanced mass model of the St Helier site, comprising some 14 individual buildings. This required modelling of the basic footprint and volume of the buildings together with roof pitches, eaves, ridges copings and parapets. This we did using Revit.
- Deliver a 3D AutoCAD DWG file back to the Trust Estates team.