



Revit Training Course

Thank you for your interest in our Revit training. Please find enclosed a schedule for our 2-day training course *'An Introduction to As-Built Modelling from Point Cloud Data in Revit'*.

Given the broad range of the subject it is not possible to cover everything in the limited time available in a 2-day course, but our training aims to address the key issues that will be encountered in a typical Scan to BIM/3D modelling project, from initial specification right through to the final presentation of the model to your client.

We appreciate that everyone has different levels of experience with Revit and their clients have varying expectations for the finished product they receive so if there are any particular topics of interest that you would like the training to focus on then we can tailor this course to specifically meet your needs.

Please get in contact to discuss your requirements further.

Regards,

Robert Bonnington
Director

Portfolio www.bonningtonsurveys.co.uk/portfolio.php



Course: *An Introduction to As-Built Modelling from Point Cloud Data in Revit*

Training Schedule - DAY 1

Morning Session (0900-1230)

- 0900 Introduction**
Introductions and overview of training schedule and goals
- 0915 Module 01 - Model Specification and LOD**
Model specification - importance and examples
LOD - levels of detail/development for your model
- 1000 Module 02 - Preparing Point Cloud Data for Revit**
Point cloud coordinates, formats and decimation
Exporting from registration software and converting point cloud data for use in Revit
- 1030 Module 03 - Preparing to Model in Revit**
Revit settings and templates, project parameters and project information
Revit coordinate systems, project north point and survey point
Linking and correctly positioning point clouds and CAD drawings
- 1230 Lunch Break**

Afternoon Session (1330-1700)

- 1330 Module 04 - As-Built Modelling Theory**
Typical Revit as-built modelling methods
- 1400 Module 05 - Basic Modelling with Revit Objects**
Creating levels and views
Modelling basic elements: walls, floors, ceilings, columns and beams
Modelling topographic surfaces
- 1700 End of Day 1**



Course: *An Introduction to As-Built Modelling from Point Cloud Data in Revit*

Training Schedule - DAY 2

Morning Session (0900-1230)

0900 Module 06 - Creating and Customising Revit Families

Using Revit family templates

Creating your own parametric families:

Door family exercise

Window family exercise

Importing CAD drawings and point cloud data for use in family editor

1230 Lunch Break

Afternoon Session (1330-1700)

1330 Module 07 - Further Modelling with Revit Objects

Adding skirting and cornices to walls

Modelling stairs

Modelling roofs

Adding chimneys and soffit, fascia and gutter elements to roofs

Modelling and customising curtain walls

1600 Module 08 - Presentation of Finished Model

Pre-issue checklist

Presentation of model to your client

Exporting model to other software

1630 Review

Participant feedback, questions and answers

Revit resources and further information

1700 End of Day 2