

Autodesk Building, Infrastructure & Construction

User Conference 2017

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TIME	CONTENT		
08:15	Breakfast Briefing – Achieving Your BIM Level 2 Accreditation More and more projects are being successfully delivered to the UK BIM Level 2 specification. Organisations are increasingly seeing a significant reduction in costs and mistakes as well as improvements in safety and quality. Read more...		
09:00	Welcome / Coffee & Registration		
09:30	Built Environment & Infrastructure Workflow – Data Capture to Project Delivery Technical Showcase The software toolsets that are available to us right now allow us to take digital construction to the next level, at all stages of the project. Read more...		
11:00	Coffee & Networking		
11:30	<u>Building Track Masterclasses</u> Managing Project Information The key to success of a project is the availability of the right information at the right time.	<u>Infrastructure Track Masterclasses</u> Scanning and Surveying AutoCAD Civil 3D has some powerful tools for managing, interrogating and visualising survey information.	<u>Construction Track Masterclasses</u> Using Autodesk Construction Technology on Real Projects In this session, we will provide an overview of a project using Autodesk Technology at both Tender & Construction Stages.
	12:30 Lunch & Networking		
13:30	Delivering Multi-disciplinary BIM Projects In a collaborative BIM project, it is not only important that models are freely shared with all the stakeholders, they need to be useable too.	Site Planning You can greatly Improve your project outcomes by visualising and analysing multiple scheme options before identifying the optimum one	Design Management Learn how to manage project information through the use of BIM 360 Glue and Docs.
	14:30 Producing BIM L2 Deliverables A COBie dataset and often an accompanying IFC model exchange file are both increasingly becoming a required deliverable on construction projects.	Design Development AutoCAD Civil 3D is the tool for developing the detailed engineering design and documentation.	Construction Management In this session, we will be looking at the tools within Autodesk Navisworks for simulating site activities and quickly checking quantities.
15:30	Coffee and Networking		
16:00	Automating BIM In this session, we look at the increasing number of tools we now have to automate design and documentation task within a BIM project.	Design Management Learn how to manage project information through the use of BIM 360 Glue and Docs.	Construction Verification A rapidly increasing use of laser scanning is to verify that the as-built condition is consistent with the design intent.
	17:00 Close		



YOUR MAINSTAGE SESSIONS AND MASTERCLASSES IN DETAIL:

Mainstage Sessions:

Breakfast Briefing – Achieving Your BIM Level 2 Accreditation

More and more projects are being successfully delivered to the UK BIM Level 2 specification. Organisations are increasingly seeing a significant reduction in costs and mistakes as well as improvements in safety and quality. Many of our customers are now being asked to demonstrate their ability to participate in BIM Level 2 projects to a high level. In this session, we will explain the requirements placed on organisations participating in BIM projects at each level of the construction supply chain and preview their paths to achieving BIM Level 2 certification.

Built Environment & Infrastructure Workflow – Data Capture to Project Delivery Technical Showcase

The software toolsets that are available to us right now allow us to take digital construction to the next level, at all stages of the project. Advances in data capture, modelling and analysis technology are already delivering us the ability to scrutinise live project performance and continuously improve project outcomes. In this session we will introduce each of the software applications that are increasingly being used by construction professionals within the digital design and delivery workflow.

Building Track:

Managing Project Information:

The key to success of a project is the availability of the right information at the right time. At every stage of the project it is vital that data is developed and shared using proper project controls. In this session, we will look at how Autodesk Vault, BIM 360 Docs and BIM 360 Glue work together to deliver a frictionless data management workflow.

Delivering Multi-disciplinary BIM Projects:

In a collaborative BIM project, it is not only important that models are freely shared with all the stakeholders, they need to be useable too. Architects, engineers and consultant all have a different view on what constitutes a good model but they need to be aware of everyone else's needs as they develop their model.

Producing BIM L2 Deliverables:

A COBie dataset and often an accompanying IFC model exchange file are both increasingly becoming a required deliverable on construction projects. In this session, we will explain how to prepare your Revit models for delivering good quality COBie and IFC files and the tools available for producing them.

Automating BIM:

In this session, we look at the increasing number of tools we now have to automate design and documentation task within a BIM project. We will look at third party tools and take a dive into the huge potential for creativity that Dynamo offers.



Infrastructure Track:

Scanning and Surveying:

AutoCAD Civil 3D has some powerful tools for managing, interrogating and visualising survey information. We will show that regardless of whether the starting point is GIS data, a traditional survey or a point cloud it is easy to develop a model based on existing data as long as you have configured your Civil 3D environment correctly.

Site Planning:

You can greatly improve your project outcomes by visualising and analysing multiple scheme options before identifying the optimum one. Autodesk InfraWorks gives users the tools to create, view, analyse and share design intent. We will show intelligent, early design functionality within InfraWorks can reduce the time to create optimised scheme designs and share them with AutoCAD Civil 3D.

Design Development:

AutoCAD Civil 3D is the tool for developing the detailed engineering design and documentation. In this session, we will show how we take the concept scheme produced in InfraWorks and develop a full design using the tools in AutoCAD Civil 3D and Autodesk Vehicle Tracking. We will also look at how the sub-assembly composer is used to create custom components.

Design Management:

In this session, we will look at how we can utilise BIM 360 tools such as Glue and Docs to manage various file formats and activities on BIM projects and how they can integrate with native applications.

Construction Track:

Using Autodesk Construction Technology on Real Projects:

In this session, we will provide an overview of a project using Autodesk Technology at both Tender & Construction Stages.

Design Management:

In this session, we will look at how we can utilise BIM 360 tools such as Glue and Docs to manage various file formats and activities on BIM projects and how they can integrate with native applications.

Construction Management:

In this session, we will be looking at the tools within Autodesk Navisworks for simulating site activities and quickly checking quantities. Then using Autodesk BIM 360 Field we will look at how site activities can be monitored and issues resolved quickly using the intuitive interface.

Construction Verification:

A rapidly increasing use of laser scanning is to verify that the as-built condition is consistent with the design intent. If the project followed BIM workflows then it is possible to overlay the point cloud on the final model and check for any deviations or omissions. We will show a real world examples.

