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## TRAINING SYLLABUS

### PRACTICAL STRUCTURAL MODELLING WITH AECOSIM BUILDING DESIGNER

no. of delegates	Up to 6 maximum	
description	Creating 3d models using ABD can help improve the production of documentation as well as integrate the structural design process. This course introduces attendees to the fundamental concepts and workflows for using ABD as a 3D/BIM modelling package as well as how to output 2D documents to either paper or a distributable, electronic version.	
prerequisites	The attendees should be proficient working with 2D elements and AccuDraw.	
objectives	The adoption of 3D and Building Information Modelling will be covered through:	
	1.0 GETTING STARTED IN 3D	5.0 CREATING DRAWINGS
	<ul style="list-style-type: none"> <li>• Introduction to 3D</li> <li>• View controls</li> <li>• AccuDraw in 3D</li> </ul>	<ul style="list-style-type: none"> <li>• Defining Dynamic Views</li> <li>• Using Drawing Models</li> <li>• Structural rules</li> </ul>
	2.0 THE INTERFACE	• Setting up a sheet
	<ul style="list-style-type: none"> <li>• Tools and Tasks</li> <li>• Disciplines</li> <li>• The mouse</li> </ul>	6.0 SCHEDULES
	3.0 SETTING UP THE PROJECT	<ul style="list-style-type: none"> <li>• Structural Quantification</li> <li>• DataGroups and the DataGroup Explorer</li> <li>• Working with Excel</li> </ul>
	<ul style="list-style-type: none"> <li>• Coordinate space</li> <li>• Grids</li> <li>• Floor Manager and ACSs</li> <li>• Files and references</li> </ul>	7.0 ADDING PROJECT CONTENT
	4.0 3D MODELLING	<ul style="list-style-type: none"> <li>• Creating project Catalogs</li> <li>• Families and Parts</li> <li>• Column/beam schedules</li> </ul>
	<ul style="list-style-type: none"> <li>• Creating Walls, Beams, Columns and Slabs</li> <li>• Foundations</li> <li>• Stairs</li> <li>• Editing and modifying objects</li> </ul>	8.0 EXCHANGING DATA
		<ul style="list-style-type: none"> <li>• Using BIM for analysis</li> <li>• i-models, IFC &amp; DWG</li> <li>• Working with Revit</li> </ul>