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approved DGH

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TRAINING SYLLABUS

CONFIGURATION AND EXPORT OF IFC OPENBUILDINGS DESIGNER

no. of delegates Up to 6 maximum.

description This training session looks at the base principles for configuration, the modelling conventions and export settings required to produce IFC from OpenBuildings Designer.

prerequisites A firm grasp of using OpenBuildings Designer DataGroups & Datasets; an appreciation of IFC, although training in the principles of IFC data structures and entities will be provided.

Note: a basic understanding of Solibri Model Checker is preferable as all IFC output will be reviewed using this software only.

objectives The following product areas are covered during this course:

1. UNDERSTANDING IFC
 - IFC structures
 - Site, Building, Floor, Zone, Space, Entity relationships
 - Property sets
 - Using the IFC documentation
2. SETTING UP A WORKSPACE
 - Configuring the DatasetExtensions for IFC
 - Using existing Datasets
 - Additional properties
 - .xsd definitions
 - CatalogTypeExts
3. MODELLING FOR OPTIMAL OUTPUT
 - Preparing the model
 - Solids Working Area
4. EXPORTING IFC
 - Floor Manager
 - Spaces & IfcZone
5. REVIEWING IFC MODELS
 - Understanding MVDs
 - IFC Export settings
 - DataGroup Mapping
 - Families / Parts
 - Spatial Structures
 - Delving deeper into the IFC .set files as required
6. CHECKING IFC MODELS
 - Checking
 - Structures
 - Entities
 - Properties