



HxGN EAM OpenCAD BIM

Q/A

Question	Answer	Notes / Videos
<p>What is the file format used by OpenCAD BIM?</p>	<p>OpenCAD BIM supports IFC, the leading interoperability industry standard. However, it is possible to convert Revit files to IFC using Revit or other software.</p>	
<p>What are the best practices for creating an IFC model optimized for use within HxGN EAM?</p>	<p>Bridging the gap between Design/Construction and Operation/Management is the solution value provided by HxGN EAM OpenCAD BIM. Here attached, you may find a deck that explains the workflow from BIM to EAM.</p>	<p> HxGN_OC_BIM_Methodology_12.30.0.pdf">https://docs.hexagonali.com/p/opencad > HxGN_OC_BIM_Methodology_12.30.0.pdf</p>
<p>How do I export property sets?</p>	<p>There are two methodologies for exporting Psets, depending on the chosen approach:</p> <ol style="list-style-type: none"> 1. Using Abacuses. In this case, you need to edit the abacus and add a column with the ifcGUID data. 2. Using Text Files. Map the file in the Pset of interest (see example below). <p>Regardless of the export method, you need to verify that the IfcGUIDs have been stored in the elements. To do this, select an element and check if IfcGUID appears among its properties.</p> <p>If IfcGUIDs are not present, you need to export an IFC file with the following option: "Store the IFC GUID in an element parameter after export" (Export IFC --> Modify setup ... ---> Advanced).</p> <p>After completing the export process with this option, save the RVT file and export the IFC again.</p>	<p> Revit - How to get an IFC with IFCGUID.pdf">https://docs.hexagonali.com/p/opencad > Revit - How to get an IFC with IFCGUID.pdf</p>

<p>What steps do we need to take to get the property set included into the IFC?</p>	<p>The IFC creation process is part of any BIM Authoring tool, such as Revit.</p> <p>Hence, it is necessary to deal with Revit and see what the options are. We do have some experience, and the most common scenario is through abacuses.</p>	<p> HxGN_OC_BIM_Methodology_12.30.0.pdf">https://docs.hexagonal.com/p/opencad > HxGN_OC_BIM_Methodology_12.30.0.pdf</p>
<p>How does the custom property set get created upon ingestion? Or does that need to be created once the file loads in EAM?</p>	<p>Once the IFC has been ingested, you can initiate the mapping in EAM to do the match between BIM properties and EAM fields. Then you can associate or create EAM equipment based on the mapping.</p>	
<p>How do you upload a BIM model to HxGN EAM?</p>	<p>HxGN EAM users can upload BIM models to HxGN EAM through the OC Utility App. OC Utility is a unified app for 2D and 3D to support model preparation, ingestion, update, and more. In other words, OC Utility ingests BIM models into HxGN EAM.</p>	<p>https://vimeo.com/1036516344</p>
<p>What do you mean by OpenCAD's mapping capability? How does it work?</p>	<p>The mapping capability is OpenCAD BIM's ability to map BIM properties with EAM data through the PropertySet.</p>	<p>https://vimeo.com/1092694026</p>
<p>How do I create and/or associate equipment within OpenCAD BIM? How do I create connections between OpenCAD BIM and HxGN EAM?</p>	<p>Mapping is the main requirement for Equipment Creation and Association. It represents the OC BIM capability to map BIM properties with EAM data by adopting the PropertySet concept. You can use the Tree view enhancement to select a group of BIM items that are candidates for Equipment creation. Select an existing mapping model. Additionally, you may proceed without having any mapping model. All the EAM fields mapped with a BIM property will be automatically filled in the first case. In the second case, you can manually enter the EAM mandatory fields.</p>	<p>https://vimeo.com/1092929810</p>

<p>How can HxGN EAM users update BIM model properties to align with the latest EAM data?</p>	<p>HxGN OpenCAD BIM provides a bidirectional data flow</p>	<p>https://vimeo.com/1036516476</p>
<p>Is OpenCAD BIM available in Digital Work?</p>	<p>Yes, OpenCAD BIM is available on the Digital Work App.</p>	<p>https://vimeo.com/1036516844</p>
<p>What is One View? How do I set it up?</p>	<p>OpenCAD One View allows HxGN EAM users to have a split view of two of Visualization Studio's core products (OpenCAD 2D, OpenCAD BIM and Reality Viewer). Through OneView, users can truly understand critical equipment details by leveraging a holistic asset visualization.</p> <p>Url for setting OneView :</p> <p>:appurl/eamdwg/DEPLOY_OCAD ONEVIEW.jsp?user=:user&org=:org</p>	
<p>COBie, is this something OpenCAD BIM supports?</p>	<p>OpenCAD BIM complies with the Cobie standard, so we can ingest an IFC model and read its Cobie data.</p> <p>From a demo perspective, we worked with the Parking Garage model that has been used in FM demo environments.</p> <p>That model contains a list of facility attributes that might be considered part of Cobie.</p> <p>It is also federated in the following disciplines:</p> <p>Architectural, Electrical, Mechanical & Plumbing, Fire Prevention and Structural.</p>	
<p>Is there a product overview that can be downloaded or, even better, a video?</p>	<p>Yes, the product overview is available through a video (see on the right)</p>	<p>https://vimeo.com/1036516871</p>