EMEA Session:

Question:

Does plant3D also export the insulation?

Answer:

Yes, exporttoautocad does it since the 2021 version of Plant 3D (enhanced insulation for display in ortho and also for the exporttoautocad export)

Also using the IFC export in AutoCAD MEP with the Plant object enablers installed, you can turn on the insulation before exporting with PLANTINSULATIONDISPLAY, this command will be available in AutoCAD MEP. The exported IFC will then have the insulation.

Question:

Das scheint noch das alte Video zu als der P&ID Modeller damals rauskaum?

(isn't that the old video of the P&ID modeler that you were showing?)

Answer:

Yes, I was showing the old P&ID modeler video, the modeler didn't change, just it was lifted to the new platform, Bim 360 Docs

Question:

So if I understand it, there is still not a simple method to move data between P3D & Revit. Autodesk is now suggesting we purchase yet another software application. How much will BIM 360 cost?

Answer:

exchanging DWGs as shown in the presentation, isn't really complicated, but truly has room for enhancement. Please contact your reseller for the cost aspect.
That's the problem. It is a huge investment for companies to develop detailed methods to share model data between Autodesk products. It is the client who is dictating all project models be delivered in Revit format at BIM LOD 4. Regards Kieron

Answer:

yes, it is a common problem, that formats being dictated for delivery.

Question:

It is. Because all projects are now having to be delivered in Revit format with intelligent parts maintained

Answer:

here the question is what intelligence means? Buildingproxyelements with attributes are intelligent or do you mean Revit piping that you can edit still? Standard piping or fabrication piping? If the answer is just you need objects with attributes, then you could consider using 3rd party to convert Plant 3D piping in IFC. I heard about a Navisworks plugin that can do it. Note that our developers are working on the Plant 3D object enabler to complete the attributes being transferred to Navisworks.

Question:

How do you transform revit piping to plant 3D Models? That is interoperability

Answer:

official answer: via DWG as shown in the presentation. If you like creating you own solutions, you could have a look at this (confirmed it works in Revit 2020)

Question:

When are the specs coming to Revit? Will the fabrication parts be used?

Answer:

Question:
Why is transfer between BIM360 servers not possible? And why can't we link an existing BIM360 license to the European Servers?

Answer:
Transfer of Plant 3D projects between Bim360 servers is possible. You use the backup function of Plant 3d to download the project and then share it again with the new server (account).

Transferring Bim 360 projects is not possible. I heard about 3rd party solutions that can download a project though.

Please contact your reseller for license issues.

Question:
Is it going to be possible to export an ifc model directly from plant3D in the future.

Answer:
not that I would be aware of

Question:
IFC It's mostly needed because others ask for it, because they work with other programs. I understand that it is not needed for revit.

Answer:

yes, understood. What I heard frequently is that there is no standard yet existing for recording piping in ifc, this might be a blocker on the Autodesk side.

AMER Session:

Question:
Is there any intention to expand the Advance Steel add-in to fully support architecture items? RVT to AS to Plant is significantly easier to work with than an ACIS export from Revit but obviously this process is structurally tailored and rightfully so.

**Answer:** We recommend searching the Advance Steel Ideas site to see if this has been suggested as an improvement. If not, you can make a new post on it for voting. The site is located here: [Advance Steel Ideas](#).

**Question:**
When my Mech department exports from Plant 3D using export to AutoCAD it still requires work to insert. Meaning, I've had to explode and use Qselect to remove reference blocks. So, export to AutoCAD doesn't completely prepare the file to insert into Revit. Are they missing a step exporting to AutoCAD to simplify this?

**Answer:** It sounds like you may have nested AutoCAD blocks causing this issue. Is this possibly caused by bound Xrefs? I have not heard that EXPORTTOAUTOCAD does anything with blocks since the resulting geometry is all solid objects as far as how it converts AutoCAD Plant 3D objects. The EXPORTTOAUTOCAD command doesn't do anything with native AutoCAD geometry.

**Question:**
How does Revit handle custom Plant 3D catalog items?

**Answer:** When Plant 3D DWGs are exported to AutoCAD, all Plant 3D parts and custom parts (including 3D block-based components) are converted to ACIS solids, so Revit is able to import the geometry with no issues.

**Question:** When I insert my model made in Plant 3D into the Navisworks, I can't see the properties, why?

**Answer:** Most likely a missing object enabler for Plant 3D. If you have Plant 3D installed before you install Navisworks this can also be a cause.

**Question:** How can I export IFC of Plant 3D? Through another program (for example export to Navisworks) save in NWD, then export to IFC, it is possible?
**Answer:** Currently Plant 3D (AutoCAD) doesn't support IFC exchange. I know that you can export an IFC from Navisworks with a plug-in available in our Autodesk Apps Exchange store at [https://apps.autodesk.com/](https://apps.autodesk.com/)

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**Question:** Without a plug-in... Is there any flow that maintains intelligence?

**Answer:** Not in this presentation today.

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**Question:** Can we today make a complete mining plant in Revit?

**Answer:** I know customers who are using Revit and Plant 3D combined for mining designs, but not sure how much is done in each product.

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**Question:** Is it possible extract drawing of NWD into Plant 3D with the coordination model?

**Answer:** There are also third-party apps that export (unintelligent) AutoCAD DWG files from Navisworks on the Autodesk Exchange Apps store.

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**Question:** Can I work with Revit on large projects like petrochemicals, large areas outside?

**Answer:** Revit is actually better than AutoCAD is at handling large models, however Revit doesn't currently have a spec-driven pipe routing method, so that is one limitation of using Revit as an industrial Plant design tool. Also, Revit doesn't generate isometric drawings from the model.

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**Question:** None of these methods are BIM-aware, correct? No metadata is passed.

**Answer:** Correct. Methods that are BIM-compliant would be using our BIM 360 Design platform. Example: BIM 360 Model Coordination can aggregate Revit, AutoCAD Plant 3D, Civil 3D, etc. into single cloud models that can have clash-detection run on them, containing all the BIM data, etc. Jason will demonstrate this now.
**Question:** What entitlements/licensing are necessary for the use of Coordination Spaces?

**Answer:** Document Management, BIM 360 Design and Model Coordination are the BIM 360 entitlements required for Coordination Spaces to work.

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**Question:** We have lots of interest in the BIM 360 platform for P3D but have not been able to find any SLA documentation. Where are the uptime and privacy and data-ownership policies?

**Answer:** The "cloud" is part of Autodesk's future, so there is a lot of high-level information about cloud security here: [https://www.autodesk.com/trust/security](https://www.autodesk.com/trust/security). Also, you can subscribe to our online health dashboard service to get notifications on planned outages, which are very infrequent: [https://health.autodesk.com/](https://health.autodesk.com/)

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**Question:** Is there a method to batch export drawings from a Plant 3D project using the “ExportToAutoCAD” command?

**Answer:** Yes, but not out-of-the-box. Batch export requires the use of a script. The Autodesk University class linked below has a batch export plug-in available for download from the class materials: