**Plant 3D Community Virtual Meet up – Q&A Follow Up – May 2020**

**Question:**
Can you link both Revit and Plant 3D models inside BIM360? We tried this a couple years back and could not make it work. Mech model in Plant, Structural in Revit, they could not see each other.?

**Answer:**
The way to go here is BIM 360 Coordinate, we can schedule a session on that because it again depends on your requirements and your goals.

**Question:**
Our primary problem is Revit will not slice the plant models while working on plan view in Revit which makes viewing detailed equipment bolt locations impossible if your equipment spans multiple floors?

**Answer:**
That's correct, a workaround would be to include the Plant 3D model exported model as an in-place generic model and link it so that you can section it in Revit.

**Question:**
Is there any data on ROI for moving to a Revit workflow?

**Answer:**
This is an interesting question and there no ROI calculation yet.

**Question:**
Does Revit work with third party Laser Scan solutions that can covert cylinders and other objects into real model objects?

**Answer:**
Laser Scanning device supplier released add-ons for Revit (Like Edgewise or PointSense and others...) which enable scan to BIM capability with volume recognition features from a point cloud.

**Question:**
Regarding Inventor, is there any way Plant and Inventor could work together to recognize Tri Clamp fittings? I primarily work in the food and drink industry and that is the most used connector.

**Answer:**
This type of component is available in a catalog on download in the App Store [https://apps.autodesk.com/PlNT3D/en/Detail/Index?id=6673773522542968097&appLang=en&os=Win64&ga=2.239935363.1236582413.1589384636-1184835767.1588145861](https://apps.autodesk.com/PlNT3D/en/Detail/Index?id=6673773522542968097&appLang=en&os=Win64&ga=2.239935363.1236582413.1589384636-1184835767.1588145861)
Question:
What happens is that Plant3D gets very heavy when we work on an entire mining plant, along with point cloud among other files. I have a computer with the latest features and it is still a problem. To build an entire plant, what would be your recommendation?

Answer:
The recommendation here would be to split the whole mining Plant in several areas and locate the connections between these areas in the P&IDs first. Then you can divide the 3D in several Xrefs, as well as the point cloud in several areas accordingly in ReCap. Only load the Xrefs and point clouds that you need to work with.

Question:
Is it necessary to create a family to be compatible with the plant’s PID? Or does the software recognize the components of the plant? Revit uses the P&ID of the plant, but is it necessary to create compatible families?

Answer:
You’ll have to create the family if the component is not existing as loadable family in Revit.

Question:
Regarding exports, the smart part does not go or talk the way they have indicated. Is there only this way of exporting solid without information?

Answer:
EXPORTTOAUTOCAD is the only way, at the moment, to bring your Plant 3D model into Revit and yes, you lose the P3D properties as a consequence. Best would be to use Navisworks in that context to keep all the data from both Revit and P3D.

Question:
How do I coordinate with IFC files, through Revit?

Answer:
You can link an IFC into Revit now (new feature) and you can also push these IFCs in BIM360 design as well.