Leveraging data through ACC Connect and Forge

Tom Denby
Digitalisation Manager - BIM
About the speaker

Background

I’m a Digitalisation manager for Skanska UK, with a background in delivering digital solutions to site. Most currently being part of @oneAlliance working to make Digital Project Rehearsal business as usual. I’m keen to drive change in projects behaviours through finding more efficient ways of working using digital technologies, to increase productivity and decrease health and safety risks.
Objectives

Exploring industry practice and workflows.

• Gain a clear understanding of how PlanGrid links to BIM 360, and how this will streamline your project workflows.
• Discover how easy it is to use ACC Connect, and how using it will make your current process more efficient.
• Discover how integrating with external systems such as What3Words will enable the user to understand a new dimension to the data.
• Learn how to use ACC Connect to capitalize on the collection of data in a structured manner to automate the design process using Dynamo.
Once a form is filled in a new revision is **automatically** created in BIM360.

**User** Creates new version of form in Plangrid to make any changes or sign off form.

**BIM 360** has a full audit history of all events that have happened to a single document.
**Phases/Stages**

**STEP 1**

**COLLECT DATA**
- Plangrid
- What3words

**STEP 2**

**STORE DATA IN BIM 360**
- Check that the data doesn’t exist in BIM360
- Create a new storage location and BIM360 issue

**STEP 3**

**UPDATE DATA IN BIM 360**
- Take updated field reports from plangrid
- Update the data in BIM360

**STEP 4**

**INTEGRATE WITH ASSEMBLE**
- Link BIM360 and the field reports to a unique element within assemble and collect data from the model element to store in BIM360 Issue
Step 1 – Create the trigger
Step 1 – Collect Data
Step 2 – Move data to BIM360
Step 2 – Move data to BIM360
Step 3 – Update Data in BIM360
Step 3 – Update Data in BIM360
Step 4 – Collect Data from Assemble
Step 4 – Collect Data from Assemble
Risk Example - Automate design of hazards

1. The full RA content is exported to excel risk register
2. Dynamo imports 3D data into the Revit Model
3. Export from Revit
4. Time & Risk specific 3D Model mapped to Programme
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Don’t be shy

If you have any questions, please ask them.

I will try to answer all questions as quickly as possible

My office hours are 9am – 5pm BST

Please like and share my page

Linkedin search for Tom Denby, would be great to grow my network of like-minded people.