

ReCap to the Max, Part Deux: Clouds in BIM 360 and Adv. Renovation Workflows

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About the speaker

SR VDC Technical Leader

Implemented first laser scan @ SSOE in 2008

Worked on 700+ scan projects @ SSOE

Worked closely with ReCap team

Started Hackathons and Innovation program

Fun Fact: Loves land yachts





Learning Objectives

Learn how to apply the ReCap Hack for on-premise workflows.

Learn how to set up clash rules in Navisworks with ReCap files and modeled elements.

Learn how to simulate preconstruction activities of point clouds and modeled elements in Navisworks and BIM 360.

Discover advanced editing techniques for slicing up elements to reuse as a twin in your reconstruction project.

and work with large point-cloud data sets in the Cintoo cloud.



PSA on Coordinates

State plane is getting better if you use Revit and Civil 3D in BIM360. There is a streamlined workflow finally.

Plant3D still doesn't work outside of 5000' from origin

Set a building/site monument (IE 1000',1000',100')

Still stands **DO NOT MOVE POINT CLOUDS** to fit a design model!

Example 1 – Recap Hack



Example 2 – Clash Rules in Navisworks



Example 3 – Precon Simulation Techniques



<https://www.ssoe.com/experiences/reality-capture-case-study>

Complex simulation on a small budget view here.

Example 4– Cintoo Cloud demonstration





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