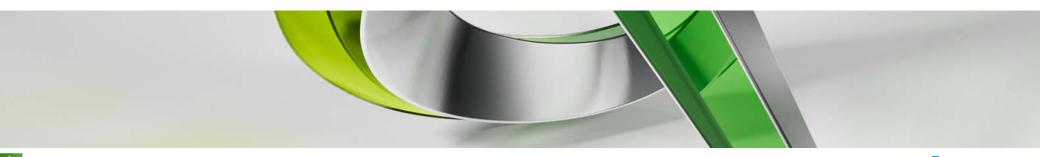


Scan to BIM to Field

Andrew Evans Software Application Specialist @TopconImaging







Seamlessly Connecting the Office and the Field.



Class summary

- Why model as-built conditions when you can work directly with a high-resolution point cloud?
- In this very hands-on class we will Layout the foundations for a new addition to our Autodesk University (AU) classroom using a remarkably easy, cloud-enabled workflow.



Key learning objectives

At the end of this class, you will be able to:

- Learn how to import point cloud scans into Navisworks
- Learn how to place points in the model using Point Layout
- Learn how to upload and share the model and points with the Field Team using BIM 360 Glue
- Learn how to layout and verify points in the field using the BIM 360 Layout iPad application connected to a robotic total station



Andrew Evans Topcon Software Application Specialist

Michael Moran Autodesk Consultant

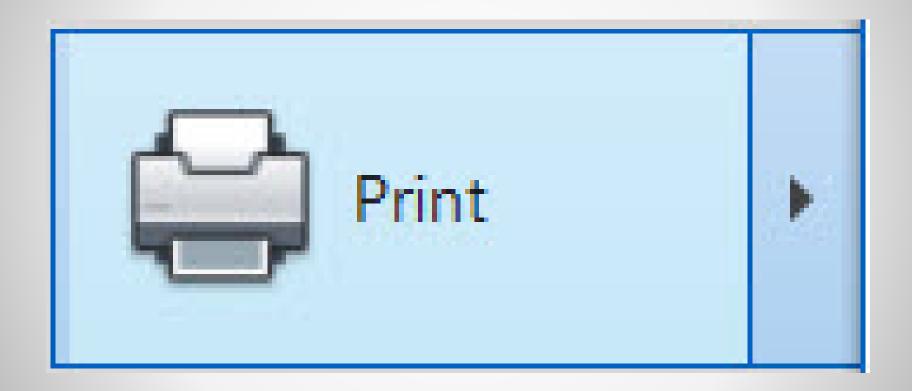






Scan to BIM to Field – Why?



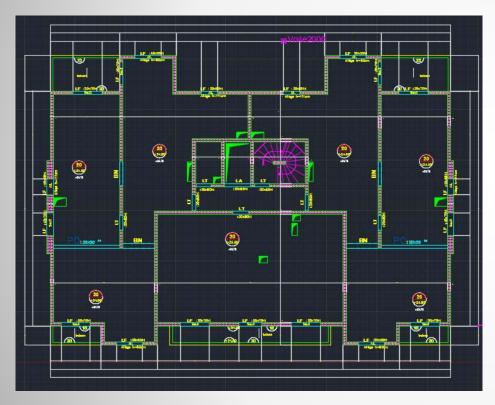




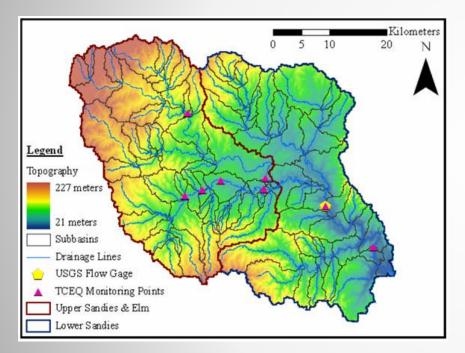


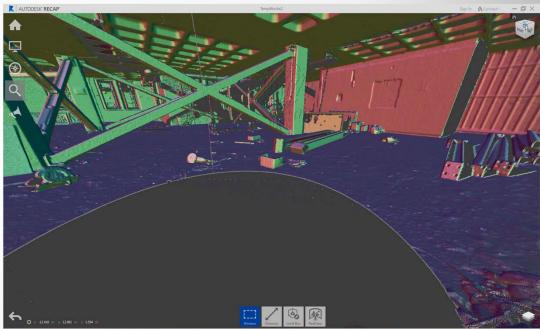






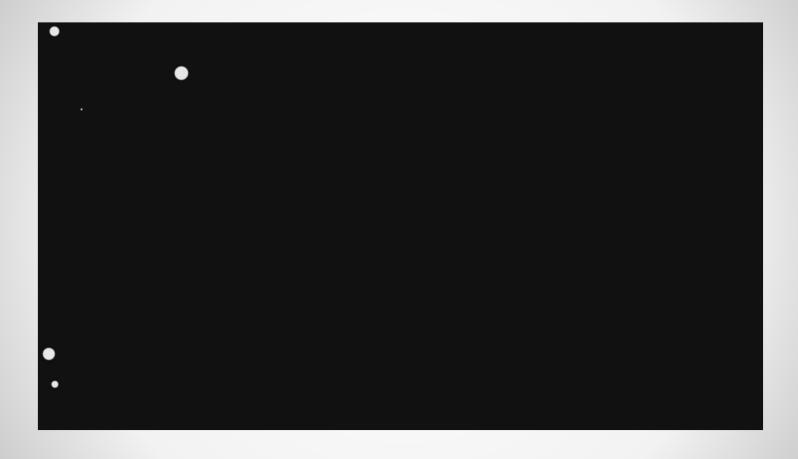


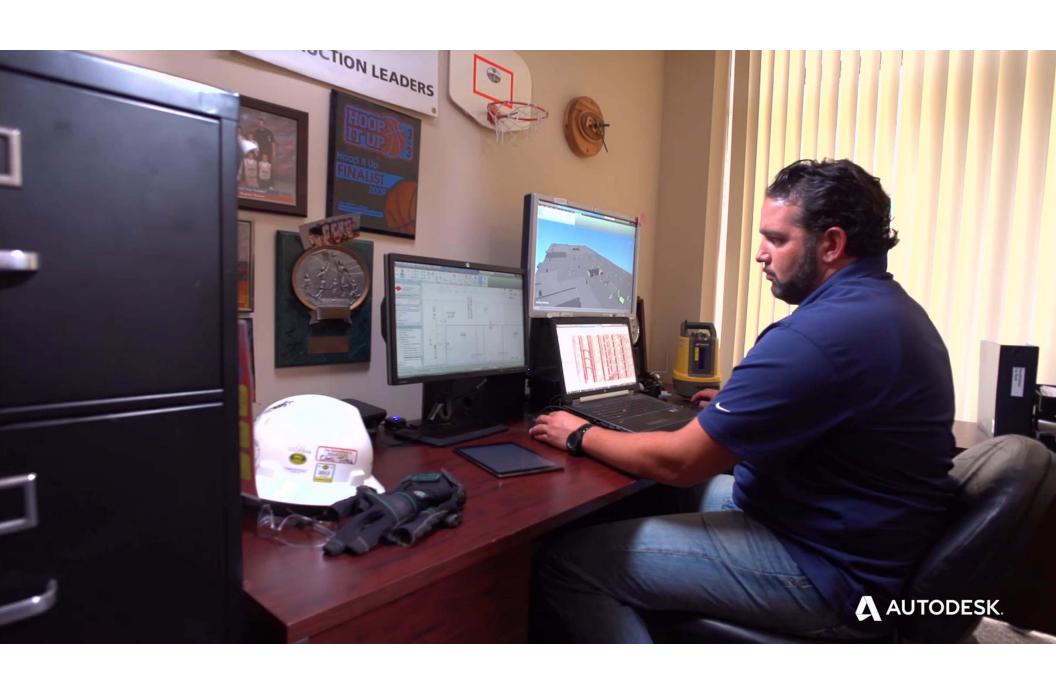












Objective 1: Working with Point clouds

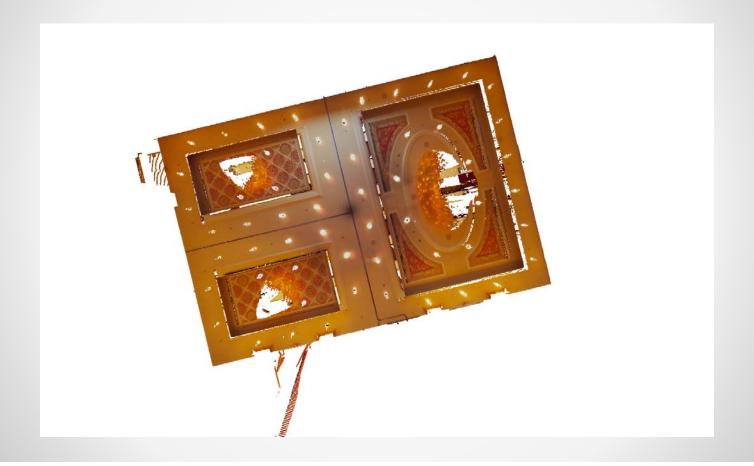


Prepare the point cloud data



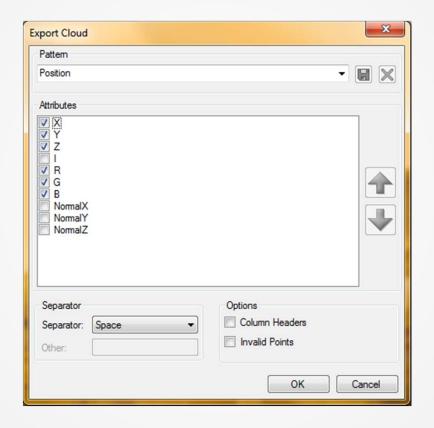


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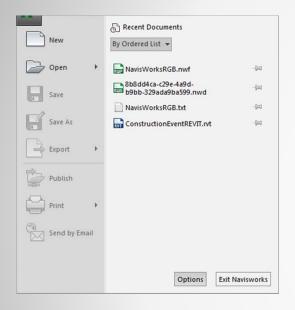


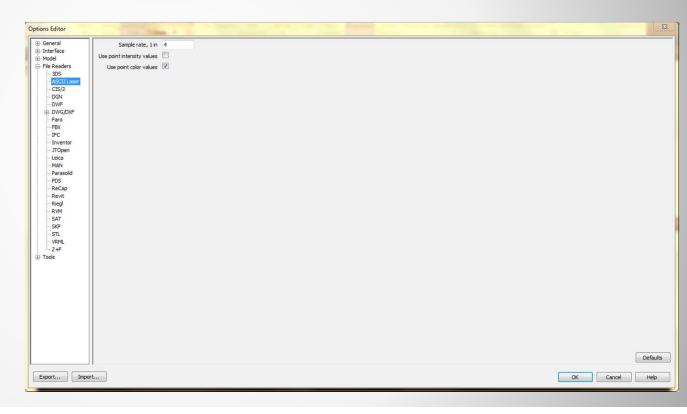


Export Options



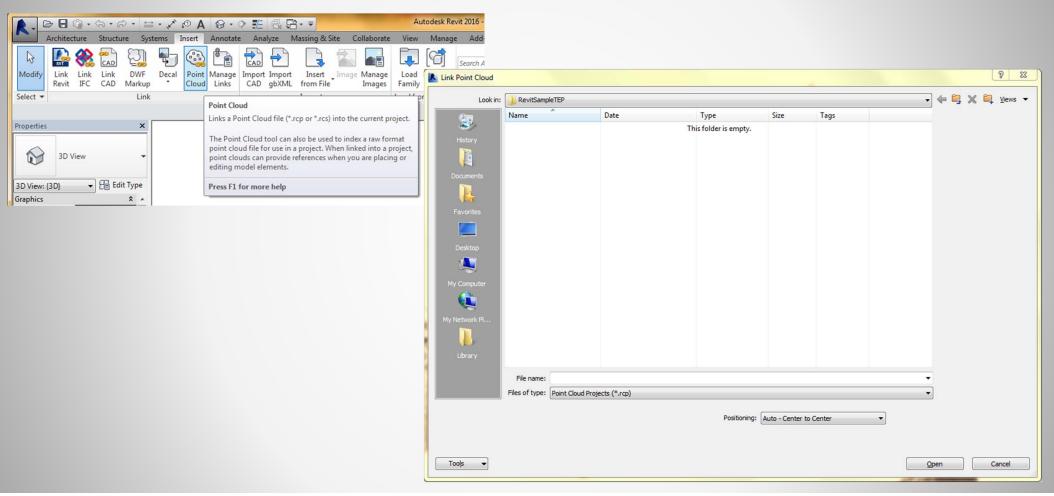
Import to Navisworks







Import to Revit

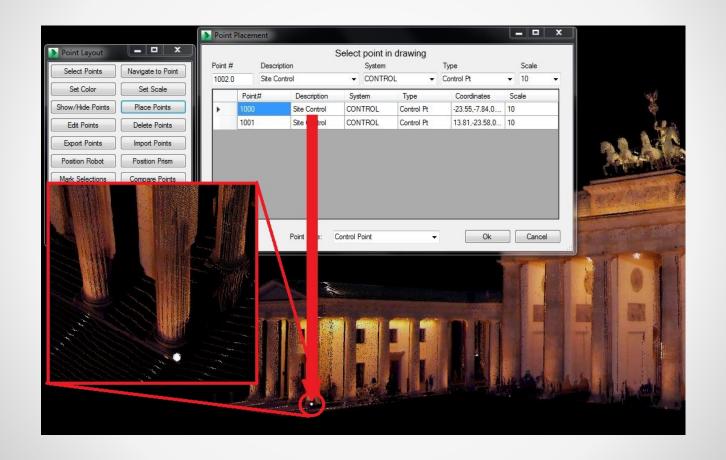




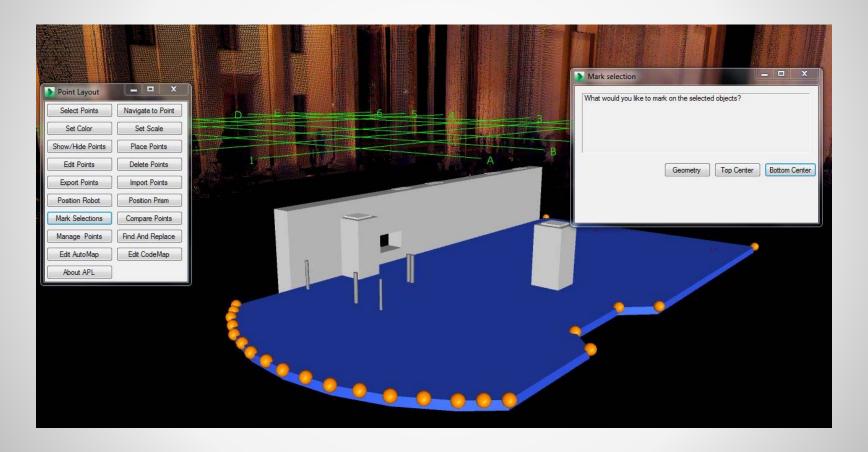
Objective 2: Placing Points with APL



Placing Points on the point cloud



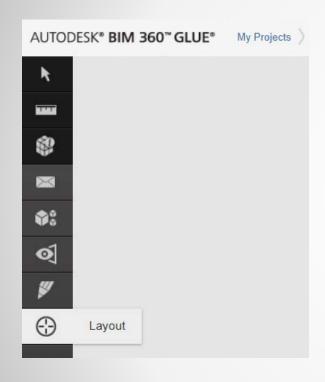
Placing points on the model

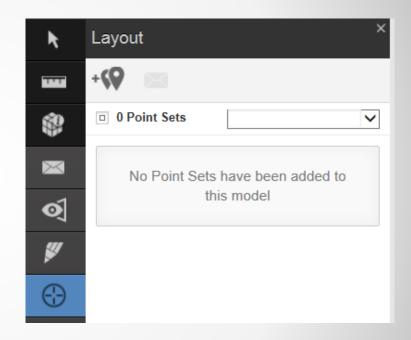


Objective 3: Share with BIM360 Glue



Glue the model





Objective 4: Layout with BIM360 Layout



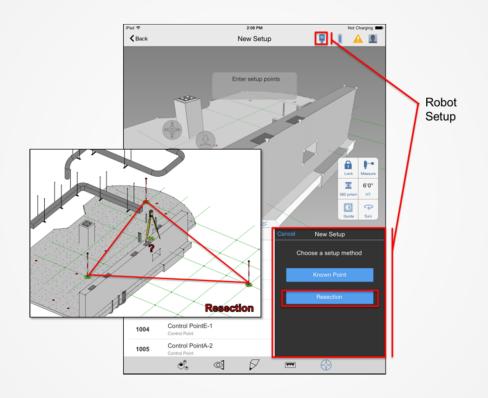


Connect to the Robot





Orientate

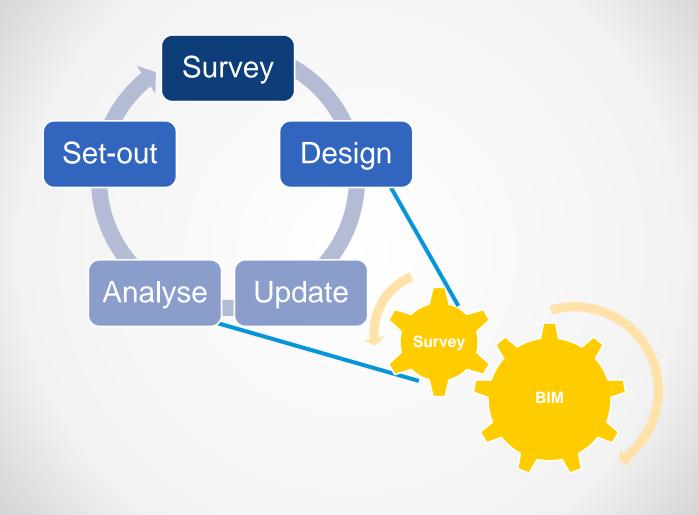




Objective X: Construction Feedback





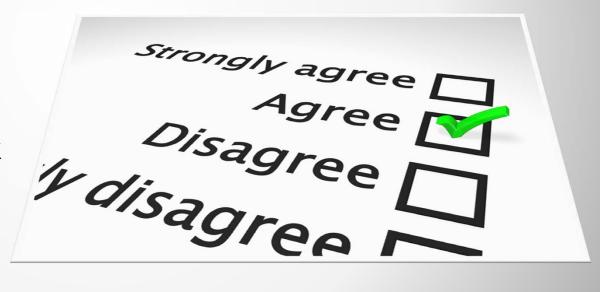






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More Questions? Visit the Topcon Booth

- Seek answers to all of your Reality Capture technical product questions by visiting the Topcon Booth in the Exhibit Hall.
- Tuesday December 1, 2015
 - 12:00 p.m. 3:00 p.m.
 - 6:00 p.m. 9:00 p.m.
- Wednesday December 2, 2015
 - 11:30 a.m. 3:00 p.m.
 - 6:00 p.m. 9:00 p.m.
- Thursday December 3, 2015
 - 11:30 a.m. 3:00 p.m.









Seamlessly Connecting the Office and the Field.





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