

Managing Your Fabrication Database's Transition to Revit

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Agenda

- Introductions
- Why move to Revit
- Msuite's Export MAJ validation tool in Fabrication CADmep
- Msuite's Validate MAJ validation tool in Revit
- AEC's / USCAD's Fabrication Database Analysis
- Questions



About the speaker

Jack Trexler

Jack Trexler brings more than 14 years of experience to his role as a Technical Specialist for U.S. CAD, including work in BIM management and HVAC/plumbing. In his prior positions as Mechanical/Fire Protection Designer and the CAD/BIM Manager, Mr. Trexler produced HVAC and plumbing systems design for office buildings, commercial and retail spaces, K-12 schools, medical facilities, churches, and tenant improvement projects. In these projects, he performed tasks such as conducting cooling loads, running energy calculations for code compliance, performing site visits and providing progress updates, and training teams of up to 70 people. Mr. Trexler provides training via videos, documents, and in-person instruction for Revit software and project standards, and also works with architects and owners to coordinate MEP designs.



About the cospeaker

Zach Smith

A developing developer with experience from AE and MEFP subcontractors, and working for a startup MEP productivity software company. Zach has used his experience to develop custom tools to bridge industry gaps, using an agile development cycle while providing guided training for interested developers-to-be. Zach started in AutoCAD learning VB.NET while becoming an Excel Macro Master. From there, the transition into BIM Support was an easy one. He established the BIM processes for an entire division of a national company. After developing tools, training, methods, and guides for the entire company, he left to seek his fortune in Revit Addin development as a Software Engineer with MSuite.



About the cospeaker

Leonardo Acosta, MEP BIM Project Manager. PMP.

Leonardo has over 6000 hours managing BIM projects combining experience in commercial, residential towers, medical facilities, transportation, educational, infrastructure buildings and BIM content creation.

Spent most of 2017 studying and optimizing the CAD to fabrication workflow for a Sheetmetal fabricator in New York while doing BIM consulting for other companies.

For the last couple of years he's been using his BIM Manager role in AEC Resource to work closely with MEP Subcontractors guiding their transition to a healthy BIM environment without perishing in the effort.

Why Move to Revit?

OWNER REQUIREMENTS

Recently there has been a big push by owners and general contractors to move to BIM 360. This allows the team to have one place to reference all documentation on a project without having to access siloed locations.

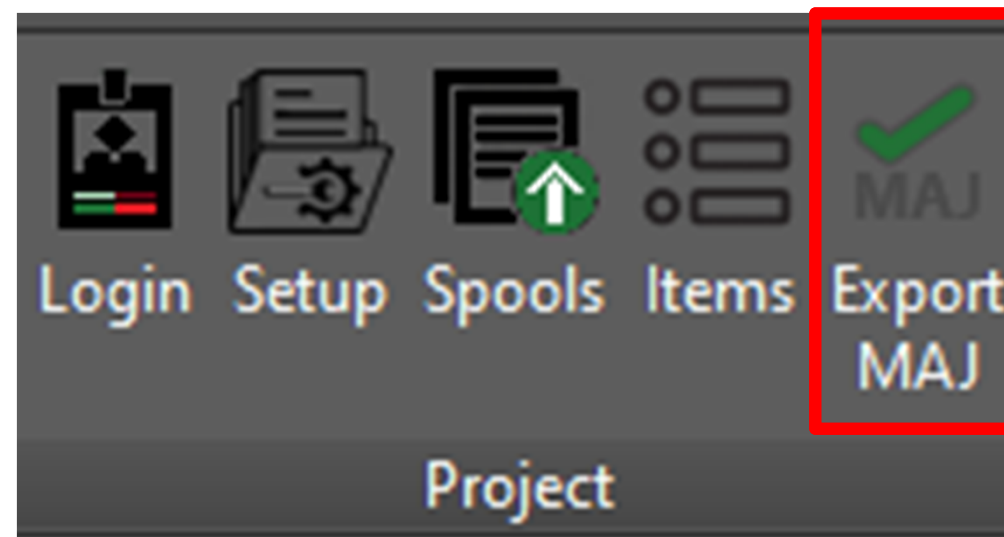
WORKFORCE

More and more users are switching to Revit then to AutoCAD or Fabrication CADmep. Some high school students in the SoCal area are actually being taught Revit.

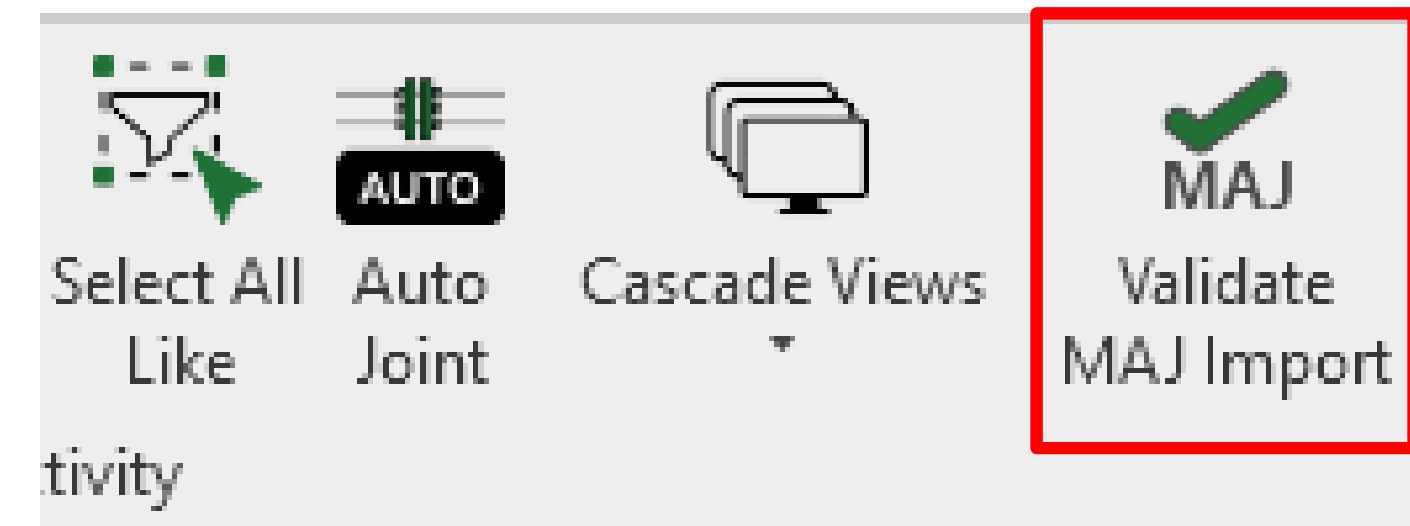
SUPPORT

There has been less and less support and new features to the Fabrication CADmep over the past few years.

MSuites MAJ validation tool



MSuite's tool set
(CADmep)



MSuite's tool set
(Revit)

Demo Time!

How do I know if my itm's I use everyday work in Revit?

MANUALLY CHECK

Bring in your Fabrication configurations into Revit and choose the services you want to check. Once the services are in bring up the fabrication tool pallet and the ones that do not work will be identified as being greyed out.

RUN SCRIPTS ON YOUR DATABASE

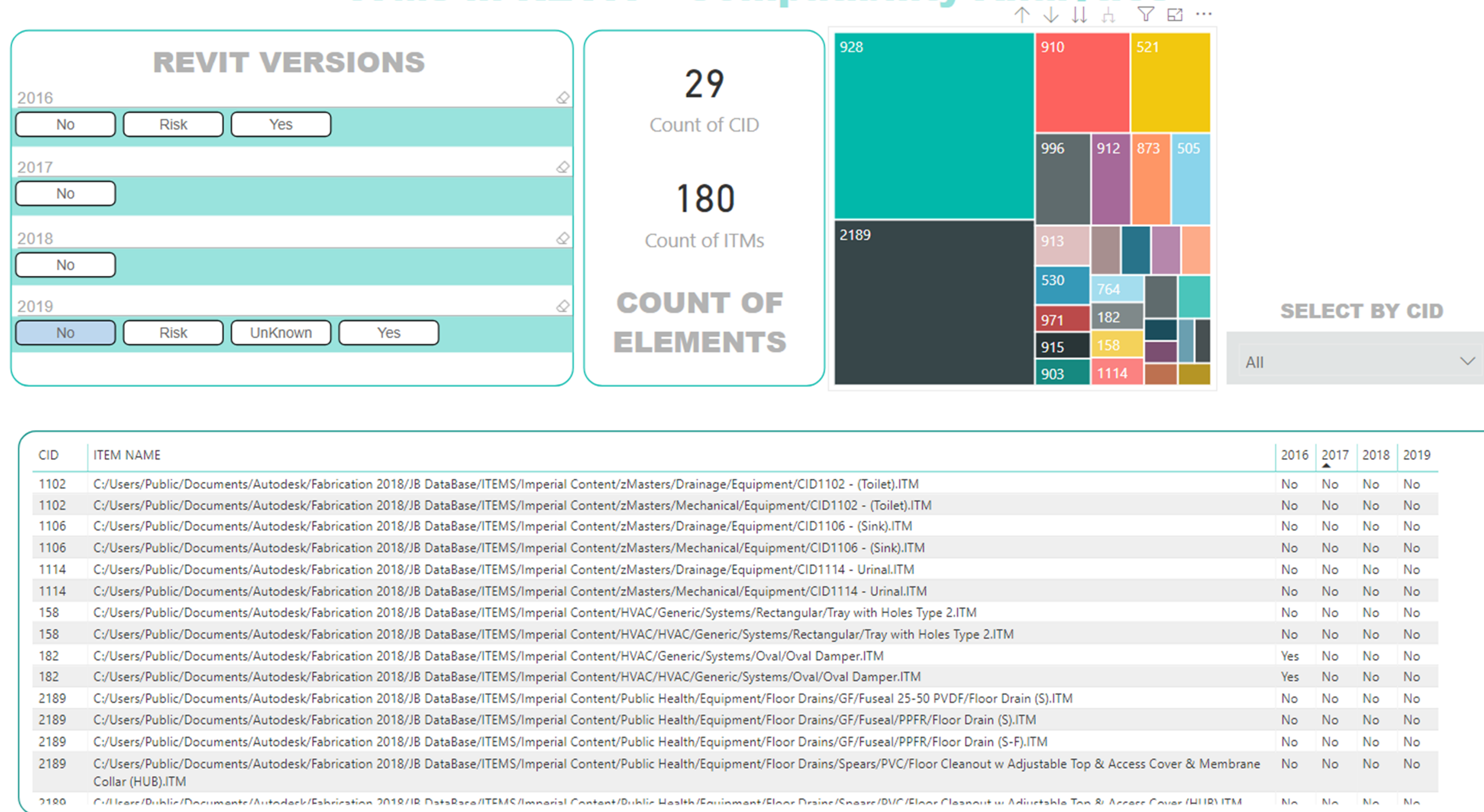
Darren Young has provided his fabrication COD scripts for analyzing CADmep databases using excel and recently others are using PowerBI from those csv files. This provides a really nice dashboard to look into you database and find gaps in your data.

HAVE A COMPANY COME IN AND ANALYZE YOUR DATABASE AND PROVIDE A REPORT

U.S.CAD and AEC provide a free service where we run similar scripts mentioned above that show which itm's are associated to CID's that do not work in Revit and provide a report back to the client. This report can be reviewed by the client to determine if they use the bad itm's or do not use them. This will determine if content needs to be created before making the move to Revit.

AECs Example PowerBI

ITMs in REVIT - Compatibility Analytics



Demo Time!

Questions?



Zach Smith



Leonardo Acosta



Jack Trexler



The Team



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