



STEP UP
YOUR GAME



Automation of Model Exports within the Consulting Industry

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- Navisworks Automation
- Revit File Automation
- Plant 3D File Automation

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- MIS Group - Structural Designer (3 years)
- Project Model Owner (Multiple Projects)
- Plant 3D Export Automation Scripts
- OEM 3D Export Automation Scripts
- Navisworks Coordination Model workflows
- Automation workflow development

What is Navisworks?

- Key Features

- Integration of 3D models and data from various design tools
- Comprehensive visualization of construction projects
- Clash detection to identify and resolve design conflicts
- Batch Utility & File Conversions

- Benefits

- Improves collaboration amongst vendors and internal designs
- Enhances project accuracy before and during construction

Batch File Automating

- Batch files to export CAD files to native format
- Batch files to update vendor and internal coordination files
- Windows Task Scheduler for nightly automation
- Ideate Automation for Revit file exports

Ideate Automation

- Ideate Automation
 - NWC export workflow
 - 2D export workflow
 - 3D export workflow
- Revit File management

Troubleshooting

- Review logs from past runs
 - Identify the problem
 - Resolve File issues
- Manual activation of .bat files can show which file(s) are causing issues

Time & Cost Savings

- Manual exports = 15-20 minutes/discipline
- Project time savings annually/project = 3200 hours/discipline
- Reduced effort to 60 hrs +/- to setup and maintain the automation

Why Automate?

- Time savings
- Cost savings internally & for the client
- Minimize human error
- On demand updates
- Up to date information daily
- Enhance collaboration
- Reduce construction errors

QUESTIONS?