

# How to Successfully Implement Factory Design Suite

Todd Schmoock

Applications Consultant  
Synergis Technologies, LLC

Class ID: **PM10584-R**

# Introduction

## Todd Schmooch

- Autodesk Reseller – Synergis Technologies
- 30 years in the manufacturing industries
  - Technical Ceramics, Honeywell, OTIS Elevator, Specialty Gas
  - Draftsperson, Designer, CAD Manager
- 22 years using Autodesk software
  - AutoCAD, AutoCAD Electrical, Inventor, Factory Design Suite
- 12 years – Synergis Technologies
  - Sales, Training, Consulting



# Class summary

Are you looking at implementing Factory Design Suite at your company? Maybe you are in the process of implementing Factory Design Suite, or you tried to implement Factory Design Suite and had some issues. With all of the variables to consider like how many employees will need access, will some need to access while traveling, shared content, creating content, templates, drawing/project properties, etc. it can be overwhelming. This class will allow you to see how others have implemented the Factory Design Suite software, and will give best practices from companies using Factory Design Suite who have implemented it successfully.

# Key learning objectives

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

- Identify the most common mistakes made and how to avoid them
- Identify files and folders shared in a multiuser environment
- Identify how to manage 2D and 3D content, and keep them updated
- Identify how to manage asset creation, and how to get started creating it

# Common mistakes made and how to avoid them



# Most common mistakes made/how to avoid them

Common mistakes – Do yours match this list? Do you have new ones?

- Project is too large
- Too much content needed to start
- Scope creep
- Unknown variables so you go back to old ways
- Hot project, or short deadline, so you go back to old ways
- Training delayed, training too early, software not installed after training, training too aggressive, etc
  - Results are users not knowing how to use the tools correctly, or at all
- Roles change

# Files and folders needed to be shared in a multiuser environment

# Files and folders shared in a multiuser environment

Files and folders shared in a multiuser environment:

- Templates
- Design Data
- Content Center
- Inventor Desktop Content Libraries
- Assets folders:
  - **Local** - C:\ProgramData\Autodesk\Factory Design Suite 2016\FactoryLibrary
  - **User** - C:\Users\<user login>\Documents\Factory Library
  - **Network** - Add libraries to the project file. Will show in Asset Browser.
  - **Cloud** - C:\Users\<user login>\AppData\Roaming\Autodesk\Factory Design Suite 2016\FactoryCloudLibrary\\_PublicAssets



# Managing 2D and 3D content, and keeping them updated

# Managing 2D and 3D content

Managing 2D and 3D content, and keeping them updated:

- Search and download available content
  - Do you need 2D or 3D content
  - Reasons you will not find content:
    - Asset older than CAD has been around
    - Manufacturer went out of business
    - Redesigned so only newer model is available
    - Vendor isn't making it available
- Model items you couldn't find
  - 2D or 3D?
  - How detailed?
- Store your “published” assets in a shared network location
- To keep them updated consider a Data Management software

# Managing asset creation, and how to get started creating it

# Managing asset creation, and get started creating it

Managing asset creation, and how to get started creating it:

- Folder location: Local, User, Network, Cloud
- Do your best to create “light weight” assets
- Modify an existing asset from Autodesk content
- Inventor renames consumed assets in a file with a new filename automatically generated by the Inventor software.
- Autodesk Vault best practices:
  - As far as managing the asset library in the Vault, that isn't supported today. One of the reasons is the "unique file name" restriction that Vault users may place on their vaults.
  - There are very good reasons that something like this has to be done, given the file-based approach to the storage system. When (if) we move to something more database-oriented, we can remove this sort of thing, and let the database track things like unique instances, while maintaining file names that make more sense to people

# Using scan data in your layouts

# Scan data

Scan data, and managing scan data:

- If you do use scan data you will need to consider the storage and management of the scan data too. Since scan data can consist of large files having a separate hard drive location, and backup procedures would be a good idea



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- Instructors see results in real-time

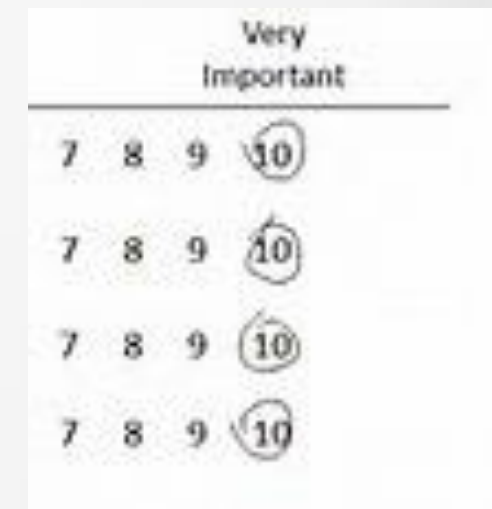
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**Or**



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# Thank you!



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win a AU 2016 free  
pass.

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winning answer is:

Best Class at AU 2015!

