

PM473302

A workflow towards a Digital Plant Asset Management system

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Learning Objectives

- Learn how to model a Digital PLANT.
- Learn how to COORDINATE, COLLABORATE and COMMUNICATE
- Learn how to add digital information to your Assets in Real Time.
- Learn how to enable a VIRTUAL training environment to ensure the safety of your Plant and its Operations

Description

A stepwise approach of creating Digital Plant Asset. This course intends to showcase the journey right from concept to commissioning and Maintenance of the Plant. During this journey we will also cover the aspects of Digital Engineering of a Plant, addressing the 3 C's - Coordination, Collaboration and Communication as well as Managing Asset information in Real Time.

Speaker(s)

Preethi Rao Senior Technical Specialist at Autodesk for India & SAARC countries with 16 years of experience in the AEC Industry. In her current role at Autodesk, She works with customers in Plant & process industry to assess their current Design engineering and construction processes and put together the right set of solutions to help them improve and implement best practices. She is a part of technical team and supports sales effort with MMA and AEC territory customers.

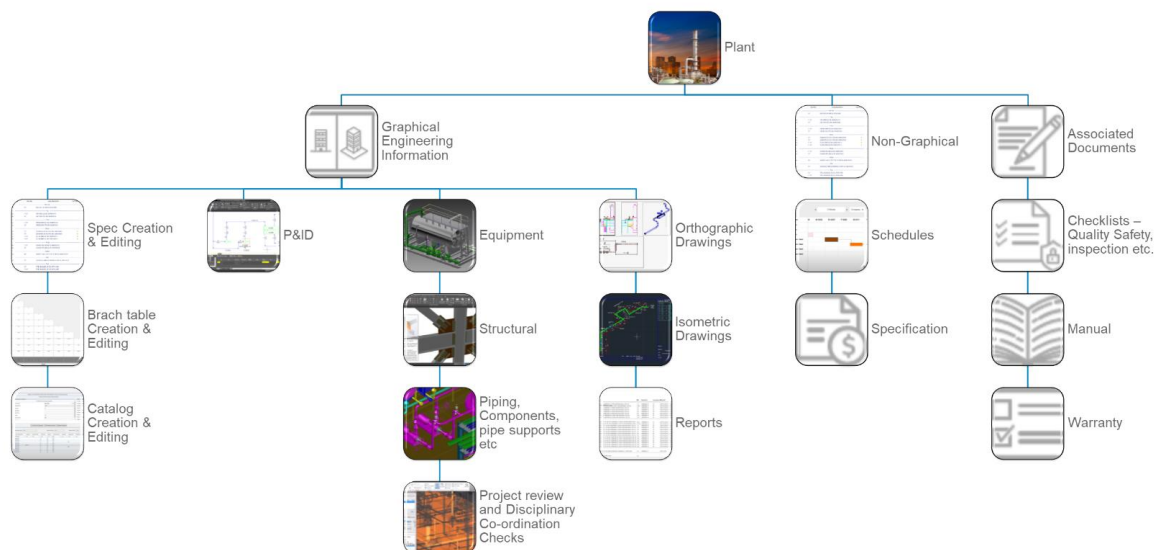


Sanjeev Ghosh is a experienced Technical Evangelist with a demonstrated history of working in Manufacturing and Computer software industry. He has in-depth knowledge of product design and manufacturing processes particularly in the FMCG packaging industry, the injection molding process and tool design and manufacturing

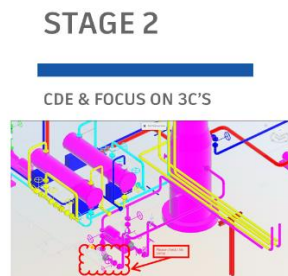
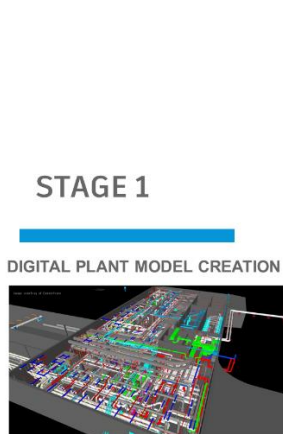


Digital Plant Asset Information is just not a 3D representation of the plant. It's a fully connected, flexible and data-driven network to drive the highest efficiency from assets, people and processes. The First step being the digital representation of a plant along with integrated non graphical information and associated documents. Every asset whether it's an equipment, structural item etc. and every Stakeholder whether he is a Plant designer, Plant Maintenance operator etc. each one of them have their own data attached to Digital Plant asset information, which fits inside a larger Digital data ecosystem.

Digital Plant Asset Information



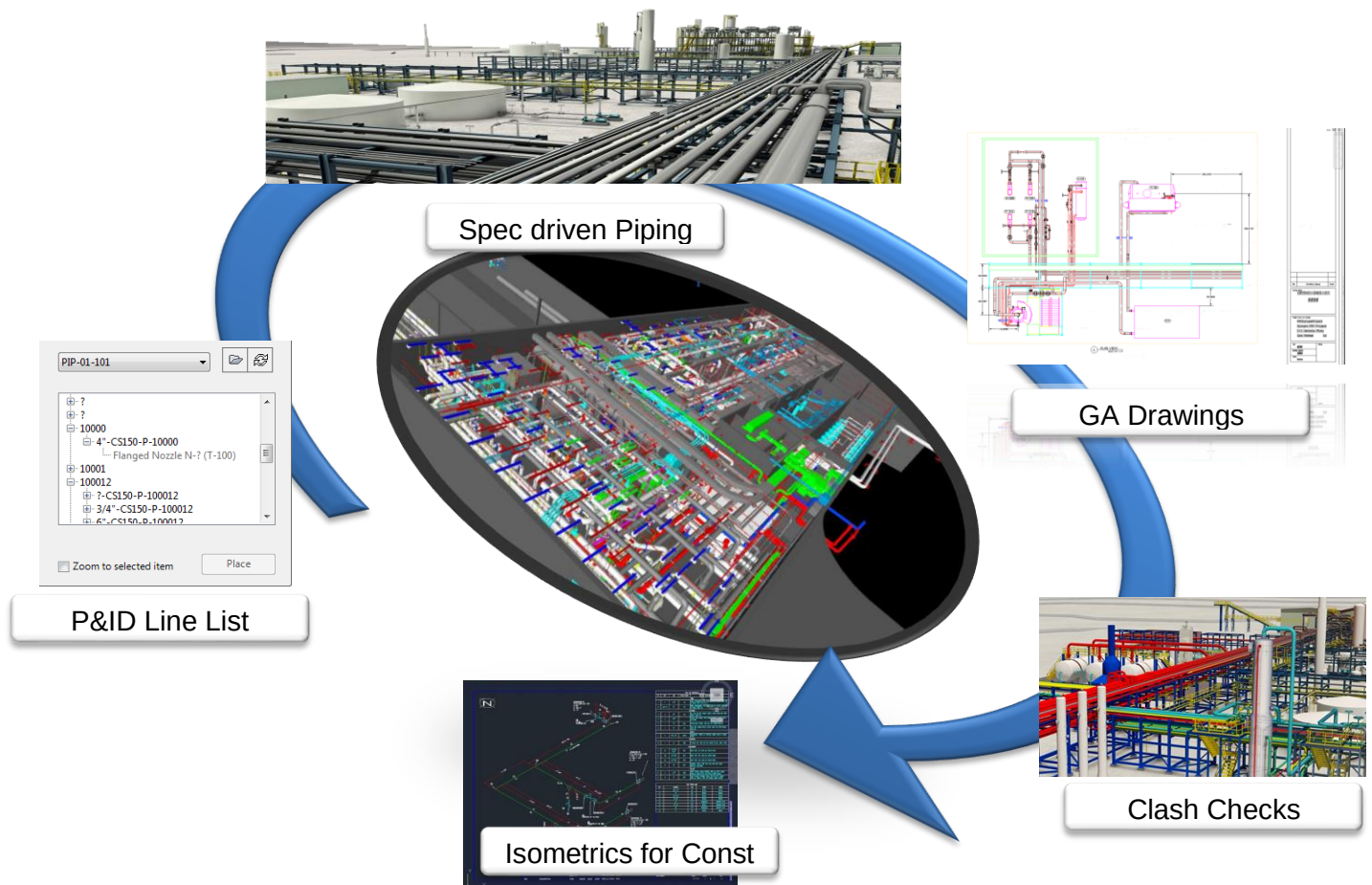
The Journey



- The 1st stage is all about creation of a Digital Plant using Autodesk Solutions
- The 2nd stage talks about establishing common data environment & focusing on 3 c's i.e. collaboration, Communication & co-ordination
- The 3rd stage highlights how to track and manage the lifecycle of project assets from design through handover

Digital Plant Model creation

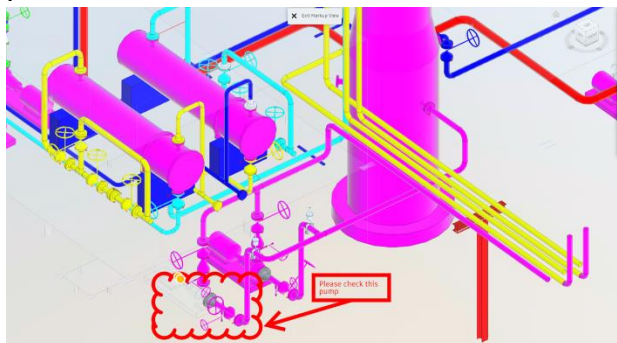
AutoCAD Plant 3D is a specification-driven software for creating 3D models of process plant components. You can route pipe, add equipment, other components and include support structures. Within AutoCAD Plant 3D underlying data is directly exchanged between the 3D model, P&IDs, isometrics, and orthographics to ensure that information is consistent and up-to-date.



Common Data Environment and 3C's

Bring your projects online with integrated tools. Take advantage of comprehensive 3D models to enhance productivity, team collaboration, and efficiencies throughout the project lifecycle.

Plant designers use BIM 360 Design to collaborate across project teams in a cloud-based common data environment.



Document Management

- Design Review
- Version Compare
- Issue and markup creation

Collaboration for Plant 3D

- Project Sharing and Review
- Streamlined Approval Workflows
- Simplified Administration


AUTODESK BIM 360

Preethi_Autodesk | Digital Plant Asset Management

Assets

Asset Tree

- All Categories
- Equipment
- Pipe Accessories
- Pipe Run Component
- Pipes
- Valve

Asset ID	Category	Location	Model
P-1001	Equipment > P_	-	-
P-1002	Equipment > P_	-	-
P-1003	Equipment > P_	-	-
P-1004	Equipment > P_	-	-
P-1005	Equipment > P_	-	-
P-1006	Equipment > P_	-	-

Asset

P-1001

INSTALLED

DETAILS

ISSUES

CHECKLISTS

ATTACHMENTS

Browse to attach files


 InstallationOperationMaintenance_3393.pdf
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 CS150.psd
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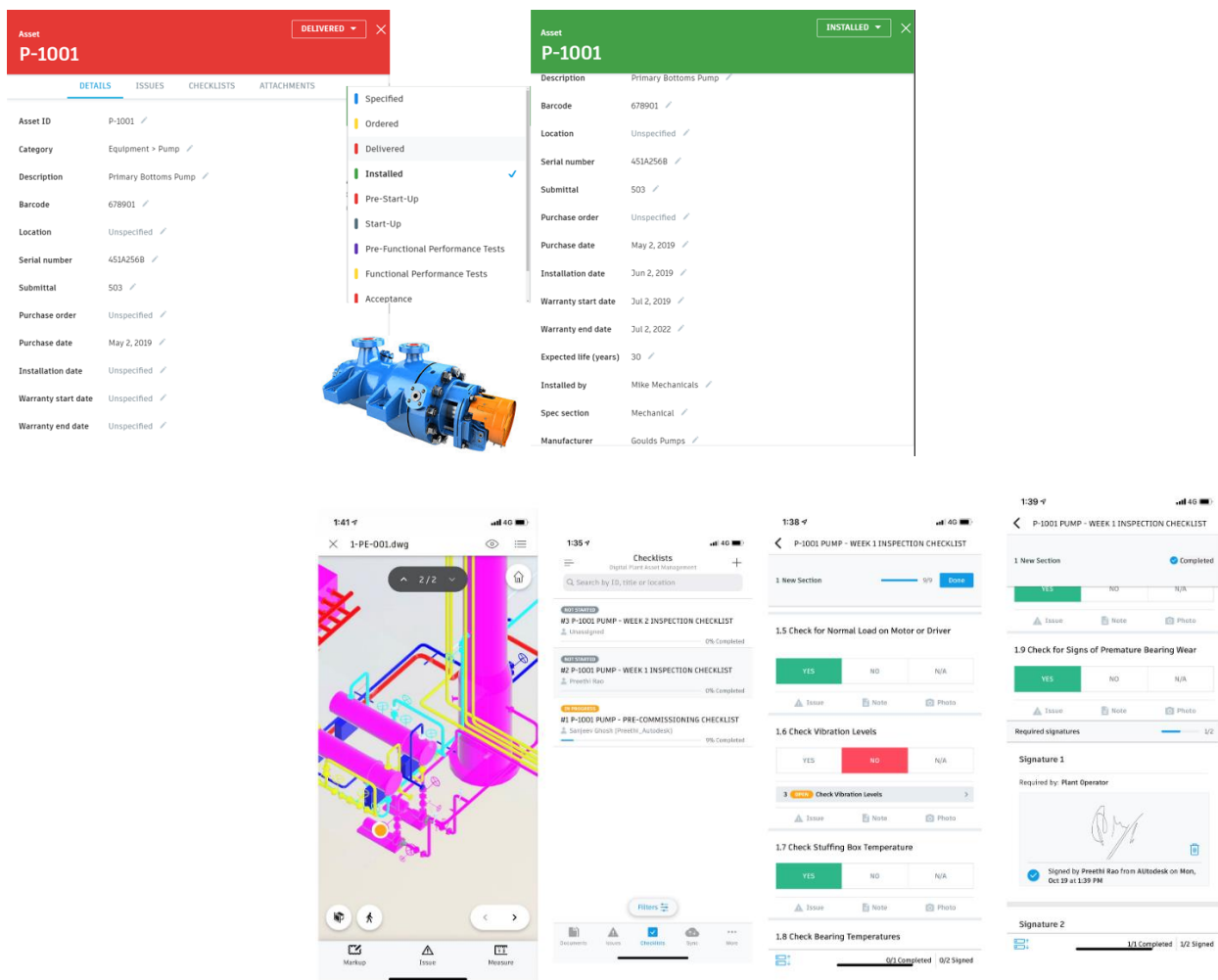

 1-PE-001.dwg
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 EquipmentList.xml
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Asset Management

Without a coordinated asset tracking system, information lives in silos and the commissioning and handover process is often disorganized and time consuming.

Save time and resolve issues faster with the BIM 360 Assets module. Teams can get quick visibility into project status and decrease the time it takes to move into operations all while minimizing potential risk.



MANAGE ENTIRE LIFECYCLE TRACKING OF ASSETS AND IMPROVE COMMISSIONING AND HANDOVER