

Autodesk Plant Design Suite 2016

[Autodesk Plant Design Suite 2016](#) provides comprehensive plant design, intelligent 3D modeling and review software in an economical package. The Suite combines tools that enable intelligent, model-based processes to be utilized throughout project execution to help improve design efficiency and simplify coordination among process plant design stakeholders. Building on the power of [AutoCAD software](#) and [Autodesk 360](#) cloud services, the Suite adds plant-specific content and functionality to drive greater productivity and better project coordination, helping projects stay on schedule and within budget. Three editions of the Autodesk Plant Design Suite 2016 are available in a variety of perpetual and [pay-as-you-go](#) licensing options.

Autodesk Plant Design Suite Standard 2016 – Supports foundational drafting and Piping & Instrumentation Diagram (P&ID) plant design workflows enabling users to leverage available AutoCAD expertise and resources to help streamline layout, drafting, and P&ID work. The Standard edition includes: [Autodesk AutoCAD 2016](#), [Autodesk AutoCAD P&ID 2016](#), [Autodesk Showcase 2016](#), [Autodesk AutoCAD Raster Design 2016](#), and Autodesk ReCap. [Autodesk 360 cloud services](#), including [Rendering](#) are available to users who purchase an [Autodesk Maintenance or Desktop Subscription](#).

Autodesk Plant Design Suite Premium 2016 – Builds on the capabilities of the Standard edition with additional software for 3D plant modeling including piping design, structural design, isometric/orthographic generation, and project-wide model aggregation, as well as advanced tools for visualization and construction simulation. The Premium edition includes all of the products and cloud capabilities in the Standard edition* and adds: [Autodesk AutoCAD Plant 3D 2016](#), [Autodesk AutoCAD MEP 2016](#), [Autodesk Revit Structure 2016](#), [Autodesk Navisworks Simulate 2016](#), [Autodesk 3ds Max 2016](#). Additional Autodesk 360 cloud services, including [Structural Analysis for Autodesk Revit](#), are available to users who purchase an Autodesk Maintenance or Desktop Subscription.

Autodesk Plant Design Suite Ultimate 2016 – Builds on the capabilities of the Premium edition with the addition of advanced software for clash detection and Digital Prototyping of plant equipment and skids to help reduce errors and rework. The Ultimate edition offers all of the products in the Premium edition and adds: [Autodesk Inventor 2016](#) with Routed Systems and [Autodesk Navisworks Manage 2016](#) software (instead of Autodesk Navisworks Simulate 2015). As an additional Autodesk 360 cloud service, [Optimization for Autodesk Inventor](#) is available to users who purchase an [Autodesk Maintenance or Desktop Subscription](#).

An easy-to-read comparison chart showing which software products are included in each Suite edition is available [online](#).

Enhancements to Software in the Suite

- **Autodesk AutoCAD Plant 3D 2016** – A tool for intelligent 3D plant and piping modeling and documentation, with enhancements including the very tight integration with Autodesk Vault. This enhancement allows easier collaboration across multiple offices and supports both Autodesk Vault replication as well as replication of the plant project database. There are a number of productivity improvements included which

- improve Piping Isometrics and make pipe routing easier when working in point cloud environments as well as numerous other productivity fixes.
- **Autodesk AutoCAD P&ID 2016** – A tool to create, modify, and manage piping and instrumentation diagrams. The 2016 release includes customer-requested productivity improvements include productivity enhancements for off-page connectors.
 - **Autodesk AutoCAD 2016** – One of the world’s leading CAD applications. Enhancements include better coordination modeling through attaching Navisworks and BIM 360 Glue models directly in AutoCAD, improved PDF functionality and smarter dimensioning.
 - **Autodesk AutoCAD MEP 2016** – This is new for 2016 – this tool allows faster modeling of electrical raceways and ductwork in plant models within an AutoCAD framework.
 - **Autodesk Revit Structure 2016** – A model-based tool for 3D modeling of structural components. The 2016 release includes new steel framing content including new steel catalogs for USA, Canada and UK as well as new steel profiles for better integration between Revit modeling, analysis and detailing software.
 - **Autodesk Navisworks Simulate 2016** – Software that provides comprehensive project review, 5D analysis and communication capabilities that assist users in demonstrating design intent and simulating construction. Enhancements include automatic saving of viewpoints when redlines are added and removing of hyperlinks when objects with the hyperlink are hidden.
 - **Autodesk Navisworks Manage 2016** – Offers the same enhancements as found in Autodesk Navisworks Simulate 2016 and adds enhanced clash detection capabilities to help reduce the time it takes to better manage and resolve project conflicts.
 - **Autodesk Showcase 2016** – Presentation and 3D visualization software for AutoCAD, Inventor and Revit models into interactive walk-throughs and presentations, Showcase 2016 supports the latest AutoCAD, Inventor and Revit files.
 - **Autodesk ReCap** - Software to capture and integrate 3D reality data from laser scans and photos directly into your design process. The 2016 release includes
 - **Autodesk AutoCAD Raster Design 2016** - A raster editing and raster-to-vector conversion tool that helps users better utilize scanned paper drawings, maps, satellite images, aerial photos, and similar data.
 - **Autodesk 3ds Max 2016** – A tool to help designers create more convincing visualizations. Enhancements include new features for customization, better collaboration and ease of use.
 - **Autodesk Inventor 2016 with Routed Systems** – A 3D mechanical design tool to create accurate digital prototypes for plant equipment and skids including functionality for designing routed systems, such as tubing, piping, cabling, and electrical harnesses. Inventor 2016 brings focused, impactful additions to the 3D modeling environment, while also delivering a robust package of customer-requested productivity improvements throughout other work environments.

**Available with Subscription only*

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