

Autodesk® AutoCAD® Utility Design 2015

Top reasons to buy/upgrade

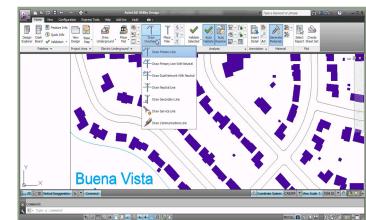
Intelligent model-based design for distribution design

Design intelligent distribution models while creating construction work orders for use in planning, design, construction, and O&M processes.

► Create 2D and 3D overhead and underground electric distribution designs

Autodesk® AutoCAD® Utility Design 2015 software enables users to work in a familiar Autodesk® AutoCAD® environment to more easily evaluate alternatives, and more quickly generate work order drawings and bills of material (BOMs). Help improve design decisions by using powerful data access tools to create intelligent base maps from contractor drawings, geographic information system (GIS) data, and external imagery and data sources. Create and lay out designs more quickly and easily with easy-to-use templates, analysis, and workflows.

Result: Help drive work order consistency across design teams and build more intelligence into the design process with rules-driven workflows and analysis.

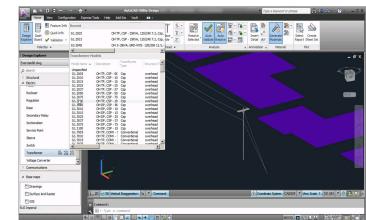


Design overhead in 2D and 3D.

► Optimize designs for reliability, cost, and constructability

Help streamline selection and placement of facilities with support from predefined analysis used during the design process. Perform engineering analysis to develop materials and cost estimates during design. Calculations include voltage drop and flicker; underground cable pulling tension; pole sizing and guying; and overhead sag for wind, ice, and temperature where calculations take terrain data into account. Customer load calculations are available for service points.

Result: Create better designs with more accurate material ordering and right sizing of equipment. And help to reduce in-field changes by sharing information with 3D visualization and analysis.

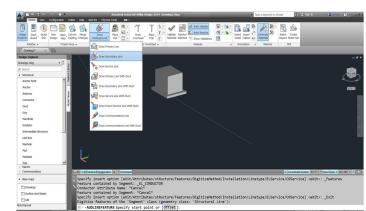


Run overhead engineering analysis to automatically position pole heads.

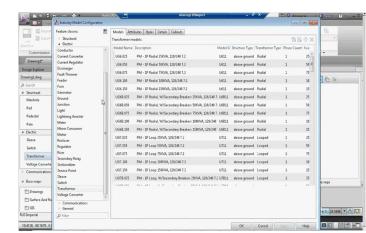
► Deliver quality work orders and intelligent distribution models

Make more accurate design data accessible to more stakeholders in a common and more secure environment while defining review and approval workflows and notifications. Simplify delivery of construction documentation and automate the delivery of a more coordinated construction work order that better conforms to cost and material estimates. A BOM report can be automatically created, enabling you to associate Compatible Units and stock numbers from your materials management or inventory system. Make intelligent design models available in an open data format to GIS and records management, providing necessary symbology and attributes to help streamline the as-built process and minimize backlogs.

Result: Deliver quality construction work orders while improving design workflows, automating material processes, and delivering an intelligent model throughout the enterprise, helping to minimize unnecessary field visits, rework, and O&M.



Design underground in 2D and 3D.

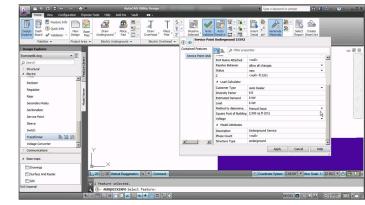


Configure stylization, features, and symbols.

➤ Configure design layout, models, rules, and construction documents

Configure distribution models based on your business requirements. Define both your structural models (e.g., poles, pads, and ducts) and electrical models (e.g., transformers, connectors, wire and cable). Configure material ordering to include business rules for proper material combinations, status, and required material attributes (e.g., cost center, accounting, and customer involvement). Save and share configurations, including drawing templates, annotations, blocks, materials, and styles.

Result: More easily manage your utility's design, analysis, and material workflow. Create templates that make designs more consistent for both new and experienced team members as well as external resources.



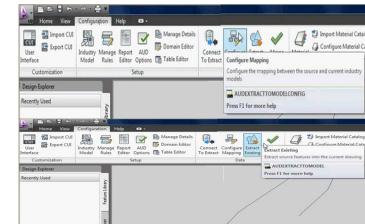
Calculate load demand at service points.

➤ Real people. Real projects.

Anchorage Municipal Light and Power

"We saw that we could integrate our asset design and management processes. We'd be able to start a project in AutoCAD Utility Design and then manage data in AutoCAD Map 3D. We could use a familiar AutoCAD interface from start to finish creating, editing, and managing data."

Ray Pearce, GIS Project Manager



Update GIS with design data.

Northeast Nebraska Public Power District

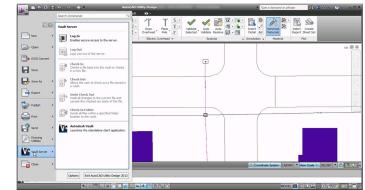
"Our technicians were quite fast and accurate with the old process, but just drawing a profile used to take at least 30 minutes. Now, we can create a profile in AutoCAD Utility Design in less than five."

Scott Abraham, Technical Systems Manager

Southern California Edison

"By integrating engineering and construction standards with the design process, it's now possible to promote improved consistency, quality, and accuracy in the design and construction documents. Utilizing a user-friendly graphical tool optimizes our ability to develop qualified designers, planners, and estimators."

Debra Brooks, M/E Application Manager



Access files directly from Autodesk® Vault software.



Sync features from AutoCAD Utility Design with your Autodesk® 360 account.

Now is the time to improve your distribution design workflows.

AutoCAD Utility Design 2015 software is available in [Autodesk® Infrastructure Design Suite 2015](#).

To learn more about and to download free* trial versions of Autodesk Infrastructure Design Suite, visit www.autodesk.com/infrastructuredesignsuite.

To locate a reseller nearest you, visit www.autodesk.com/reseller.

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