

# What's New in AutoCAD Utility Design 2013 software:

## Smart Grids Start with Smart Design

AutoCAD® Utility Design 2013 software is a model-based design solution for electric utility distribution networks that combines design and documentation with standards-driven workflows and analyses. Utility designers and engineers can improve productivity, analyze and optimize network designs for performance and reliability, and deliver more consistent and coordinated construction documentation—all in a familiar AutoCAD® environment.

### With AutoCAD Utility Design:

**APS** executes automated distribution design tasks up to 5 times faster.

**Anchorage ML&P** complete tasks faster—in three hours rather than three days (15 times faster)

**Colorado Springs Utilities** can save money by helping to prevent over-engineering, and time by helping crews bring the right material quantities to job sites.

AutoCAD® Utility Design 2013 software is included in the Autodesk® Infrastructure Design Suite, a comprehensive BIM for Infrastructure solution.

To learn more, visit [www.autodesk.com/infrastructuredesignsuite](http://www.autodesk.com/infrastructuredesignsuite)

For more information about AutoCAD Utility Design, go to [www.autodesk.com/autocadutilitydesign](http://www.autodesk.com/autocadutilitydesign)

To locate the reseller nearest you, visit [www.autodesk.com/reseller](http://www.autodesk.com/reseller)

### > Configuration

- Standards and rules configuration (general, validation, material and analysis)
- Auto Detail Creation

### > Smart model based design

- Design in AutoCAD environment
- Shareable, industry-specific model for electrical distribution networks.
- Support Raster Design
- Simplified layout tools
- Containment and features
- Validation/Resolution Optimization

### > Engineering Analysis

- Smart Grid Load Calculators (Residential/Commercial customers and electric vehicles)
- Voltage drop and flicker; pulling tension; sag, and guying; and transformer, conductor and duct sizing

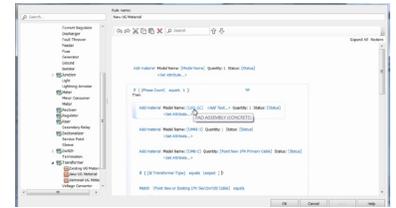
### > Documentation

- Associate construction standards to layouts
- Manage DWG™ sketches per project or design job
- Bill of Material Creation with rules driven features
- Population of material list into drawings

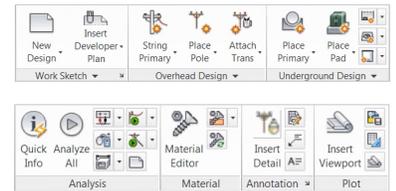
### > Interoperability

- Support for sharing AutoCAD Utility Design data with Autodesk® Vault Professional
- Integrate AutoCAD Utility Design to asset management systems (e.g. IBM Maximo) and other costing systems
- Integrate to work management or job management systems
- Share smart design model—AutoCAD® Map 3D software; AutoCAD® Civil 3D® 2013; and other GIS and enterprise systems.

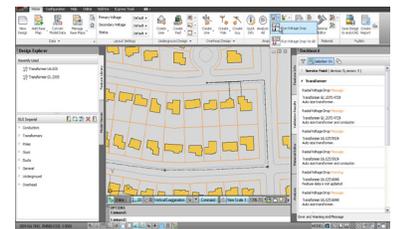
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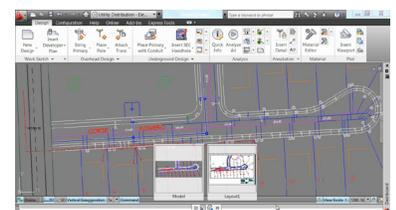
Easily configure rules to meet engineering and business requirements.



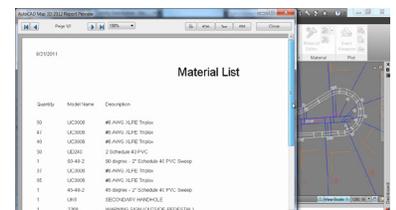
Easy-to-use industry tools in familiar AutoCAD environment.



Calculate voltage drops and sag to optimize the material sizing and ordering.



Manage and configure layouts directly in design environment.



Integrate with materials and billing to generate a complete report of material and labor cost estimates.