

AUTODESK®
UTILITY DESIGN
2006

Utility design, enlightened.



Autodesk®

Power up your process.

Design, engineer, estimate, and deliver work orders using a single, powerful integrated application. Autodesk® Utility Design helps you complete accurate residential, commercial, industrial, and maintenance work orders faster by employing global standards, standardizing your materials catalog, and sharing data seamlessly with your supply chain and GIS (geographical information system) applications.

Automate Work Order Creation

Rule-based Autodesk Utility Design helps you complete and deliver gas or electric work orders quickly and confidently. Define precise, global standards for calculations, construction, and materials. Eliminate guesswork, time-consuming manual checking, and costly late-stage redesigns. Minimize error-prone manual data entry by automating layout, engineering, material ordering, modeling, and cost estimation tools.

Personalize Your World

Define design and engineering rules. Assemble personal editing screens. Create a palette of symbols. Personalized screen menus, displays, report formats, and workspaces put everything you need at your fingertips and help keep the focus on your design and engineering tasks.

Share Valuable Data

Import land drawings from other mapping and design systems, or transfer your design data to other applications using ODBC-compliant files in formats you specify. You control all variables, and Autodesk Utility Design controls the interaction between your configuration and Autodesk Map® 3D software.

Integrate with SAP Solutions

The Project Explorer module in Autodesk Utility Design integrates work order data from SAP® R/3 Enterprise 4.7 for streamlined supply chain management via its Workorder Interface 2006. SAP users can automatically load Project Explorer with data from SAP R/3 Enterprise, so it's always up-to-date and accurate. If you make changes to the data in Autodesk Utility Design, the software automatically transfers them back to the SAP solution to keep the whole team synchronized.

Interoperate with Autodesk Map 3D and Other Software

Autodesk Utility Design software's open architecture enables integration with Autodesk Map 3D and many other applications. Complete compatibility with the peripherals and data exchange formats supported by the Autodesk Map 3D graphics engine is built in.

Navigate Projects with Ease

Autodesk Utility Design software's streamlined interface and Project Explorer tool help you quickly find the feature or project you're looking for. You can even customize title block information using XML to speed up and standardize final plan production.

Automate Materials Lists and Ordering

Automatically create complete gas or electric materials lists on a "by location" or "project summary" basis. Rules-based logic files that you define according to your utility's electric design and construction standards ensure optimal, standardized materials procurement.

Work Flexibly

Order special materials not specified in the automatic process by selecting and editing them from an online catalog. You get the flexibility you need to respond to real-world circumstances without sacrificing time-saving automation that covers most situations.

Deploy with Confidence

Autodesk Utility Design supports all popular network technologies for reliable file locking and file management. Place drawings on a network file server for sharing and security. Edits and automatic backups take place on each designer's workstation, balancing the workload and allocating network resources appropriately.

Incorporate Engineering Standards

Correctly size facilities by performing engineering calculations directly in Autodesk Utility Design software according to predefined standards, including voltage drop, cross-arm configuration, pole and transformer sizing, pulling tension, and more.

Other Features

- Material ordering
- Detailed cost estimates
- Customized logic files
- Network flexibility
- Onscreen support
- Automatic guying
- Automatic sag calculations
- Wind and ice loading
- Clearance checking
- Material export to ODBC (Open Database Connectivity) tables
- Drawing Manager
- Detailed AutoCAD® work order sketch

For a complete list of system requirements, visit www.autodesk.com/utilitydesign.

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SAP® Certified
Integration

Autodesk®

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