Ground Yourself with a Properly Implemented Electrical: Implementing Autodesk® AutoCAD® Electrical

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Class summary

Do you work collaboratively or independently in AutoCAD Electrical software? If you have more than one user at your company creating drawings with AutoCAD Electrical, this class helps you understand all the ways you can reference common, shared files effectively. The class covers how to install, configure, and organize those files so that drawings easily follow established standards and appear consistent from project to project and user to user. The class digs into some key ways AutoCAD Electrical promotes standardization and shows you an effective way to implement AutoCAD Electrical that allows users to work productively and consistently from a common set of files.



Key learning objectives

At the end of this class, you will be able to:

- Share common libraries, databases, and other reference files effectively
- Configure the environment file to access shared locations first
- Organize your shared locations for convenient access and maintenance
- Use standard reference files to share data among users and between projects

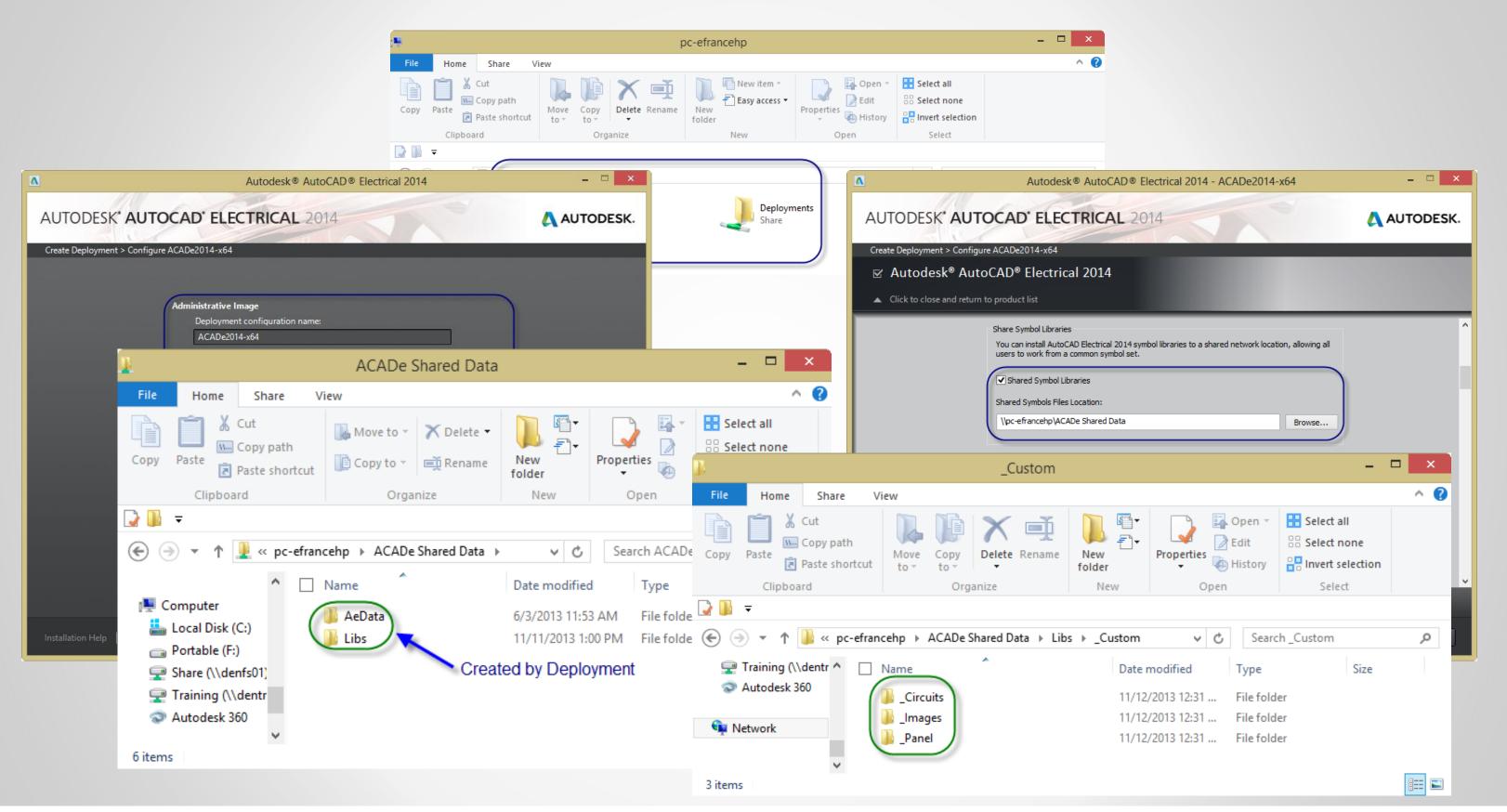


Share common libraries, databases, and other reference files effectively



Establish Shared Locations

- By creating a Deployment, you can specify where on the network users will access shared databases and symbol libraries from by default.
- These folders will be populated during the creation of the deployment and help standardize what content all users work with in AutoCAD Electrical.
- This also reduces the duplication of content on multiple users machines.





Shared Locations Summary

Create Network Shares

Configure the Deployment

Create the Deployment

> Add Company Library Folders



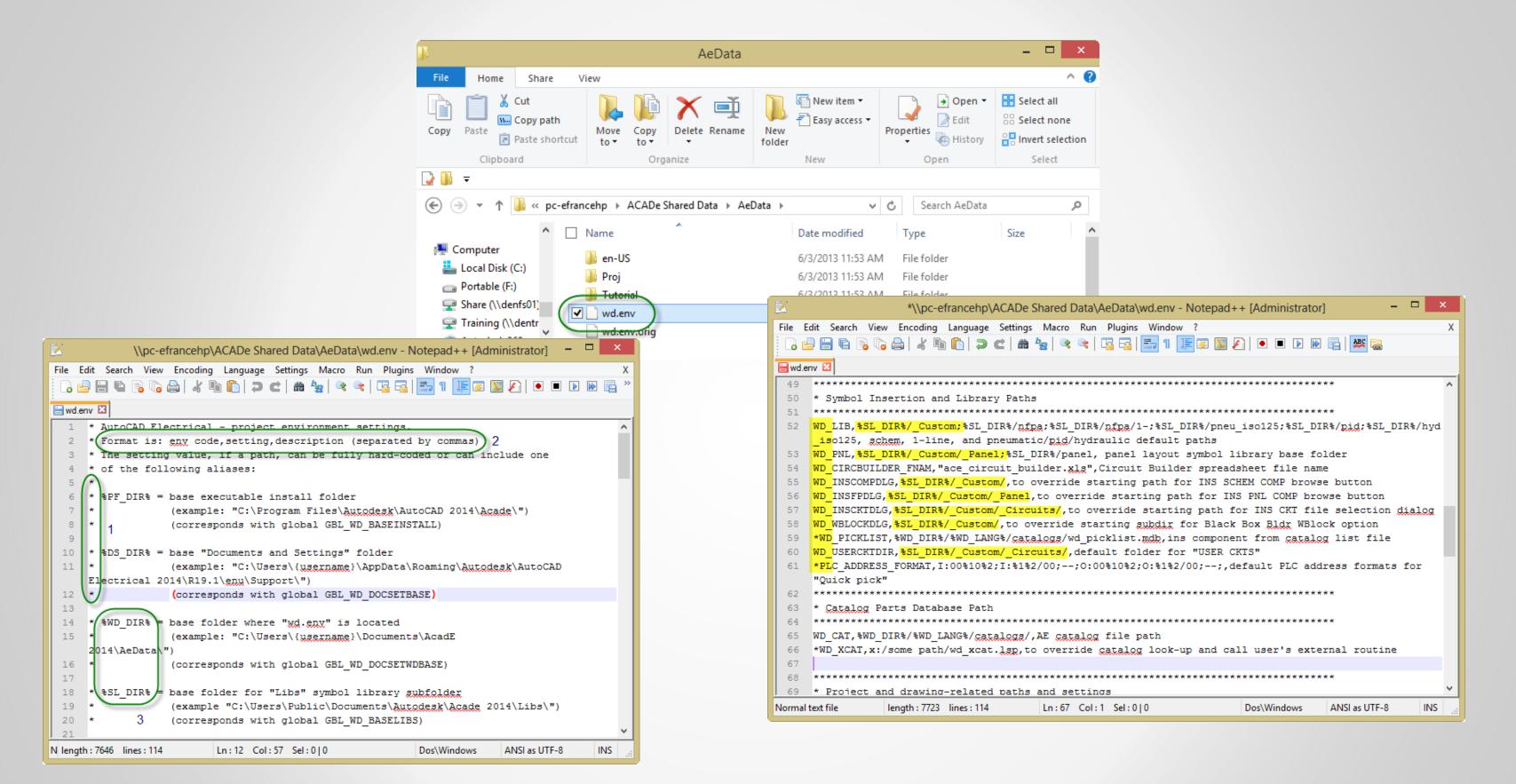
Configure the environment file to access shared locations first



Easily Direct Users

- The wd.env file is used by AutoCAD Electrical to identify which search paths it uses for many of the tools used to produce a Electrical drawing set.
- By adjusting the paths here, users are provided the correct location to find their company's standard content with minimal time spent searching for it.
- It also can be used to force AutoCAD Electrical to search company-specific content first as well.







Configure Environment File Summary

Configure the wd.env File

Configure Library Paths



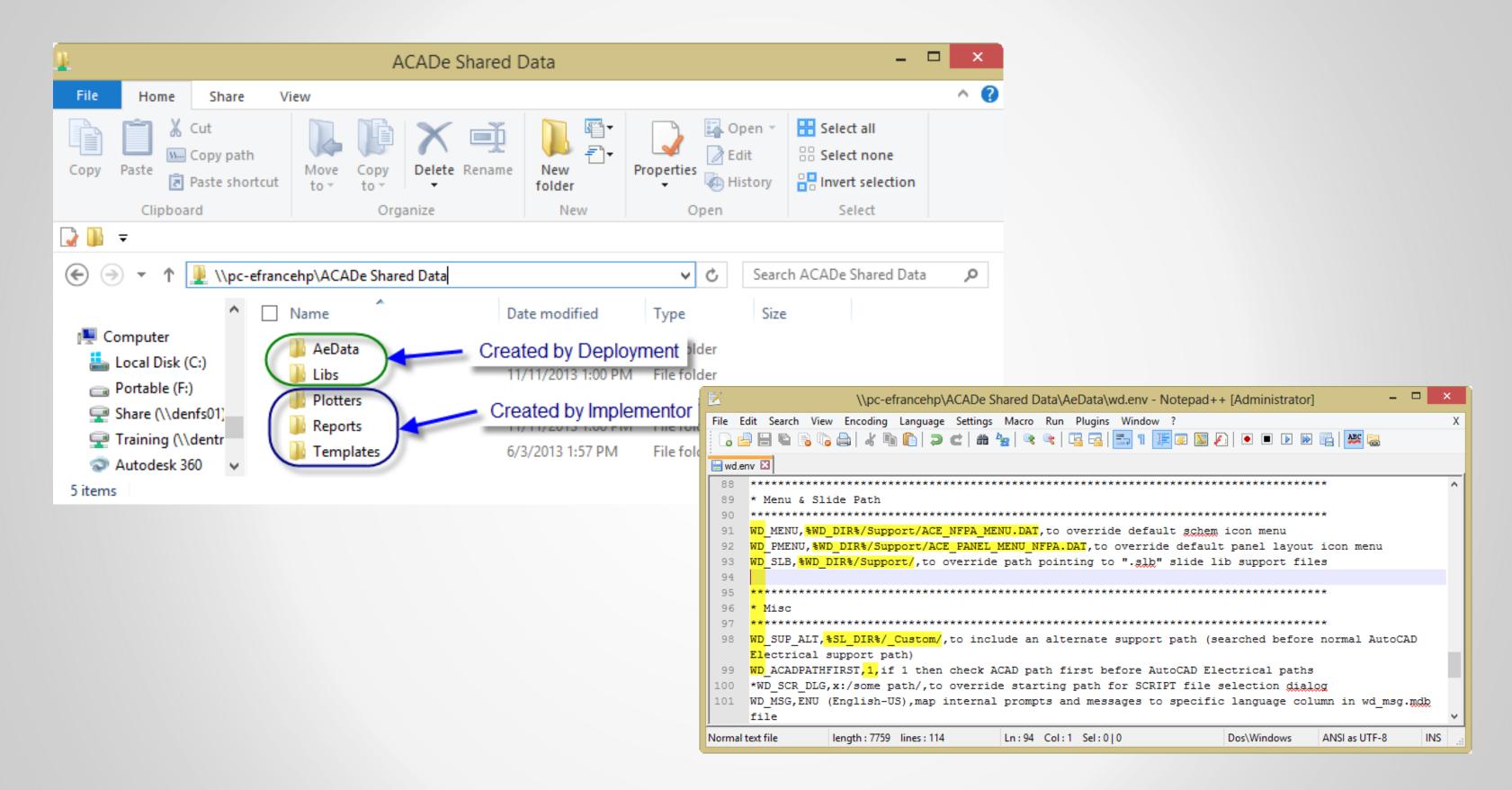
Organize your shared locations for convenient access and maintenance



Share Standard Content

- Using the locations established in the deployment as a basis, additional folders can be created to store other standard content.
- Placing Company Templates, Plotter Configurations, Report Formats and Groups, and common Support files here helps standardize drawing sets as well.
- This becomes the "go-to" place for everything AutoCAD Electrical and is easily archived as a backup.







Organizing Shared Locations Summary

- > Add Company Content Folders
- Combine Support Folders
- Configure Support File Usage



Use standard reference files to share data among users and between projects



Share Standard Content

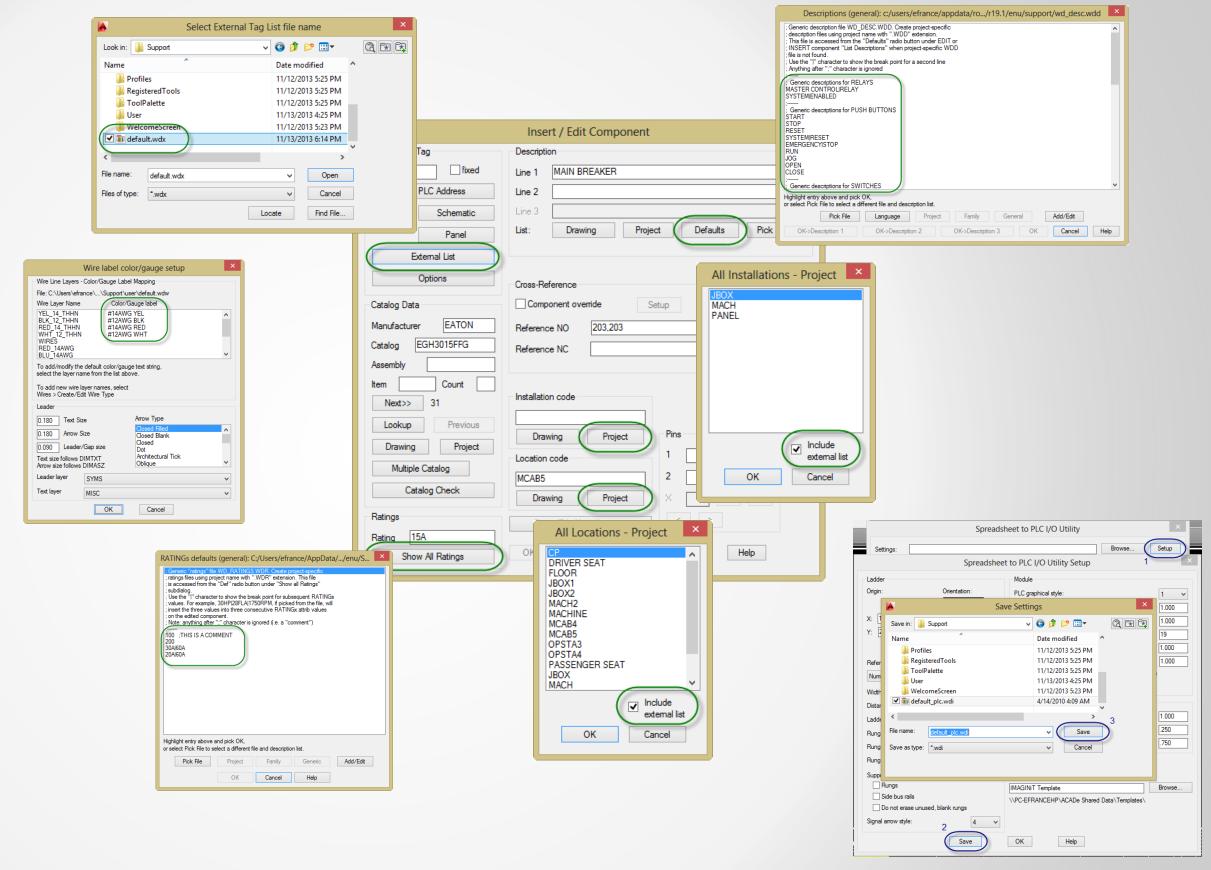
Finally, AutoCAD Electrical has around two dozen reference files that are available for use and standardization of information contained in your drawing sets. Leveraging files that contain standard descriptions, location codes, line labels, and rating values saves time and delivers a consistent product.

Why type the same values over and over again (or incorrectly), when you can simply pick it from a list?



Database Description	<u>Filename</u>	Access From	
Catalog Lookup Database	default_cat.mdb	Lookup button in Insert/Edit Component dialog	
Footprint Lookup Database	footprint_lookup.mdb	Panel tab > Other Tools panel (expanded)	
Schematic Lookup Database	schematic_lookup.mdb	Schematic tab > Other Tools panel (expanded)	
PLC Database	ace_plc.mdb	Schematic tab > Other Tools panel (expanded)	
Pin List Database	default_cat.mdb	Schematic tab > Other Tools panel (expanded)	
Terminal Properties Database	default_cat.mdb	Schematic tab > Other Tools panel (expanded)	
Electrical Standards Database	ace_electrical_standards.mdb	Schematic tab > Other Tools panel (expanded)	
Language Conversion Database	wd_lang1.mdb	Project tab > Other Tools panel	

Content File Description	<u>Filename</u>	Access From
Default Descriptions	wd_desc.wdd	"Defaults" button on Insert / Edit Component dialog
Default Ratings	wd_ratings.wdr	From "Show All Ratings" button > "Defaults" button in View/Edit Rating dialog
Default Location Codes	default.loc	From Location code "Project" button, check the "Include external list" checkbox
Default Installation Codes	default.inst	From Installation code "Project" button, check the "Include external list" checkbox
Default Component Tags	default.wdx	From Component Tag > "External List" button
Source/Destination Arrow Default Descriptions	wdsrcdst.wdd	"Defaults" button in Source or Destination Arrow dialogs
Generic Wire Color/ID Abbreviations	cblcolor.dat	"Generic" button on Insert / Edit Cable Marker dialog
Default Wire Color/Gauge Labels	default wdw	"Setup" button on Insert Wire Color/Gauge Labels dialog
Default Terminal Number Audit Filter	default.wdn	Lists Terminal Numbers to be ignored in an Electrical Audit
User-Defined Attribute List	default.wda	Used by report tools to determine which additional attributes are listed in reports







Standard Content Summary

- > Reference Company Databases
- Manage Project Information
- Reference Standard Component Content
- > Reference Standard Settings



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