



Roxtec 3D CAD library Guideline for Intergraph Smart 3D

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Introduction

The Admin Instructions for S3D_ROXTEC_PACKAGE_07Oct2022 package are designed to work with Intergraph® Smart 3D (Smart 3D) V2016 and above. For best results, users should install the latest Smart 3D Hot Fix.

Users with current Smart 3D maintenance are encouraged to visit [Intergraph® Smart Support](#) for more information and to access the following:

- Service Requests (Reference your maintenance agreement for Support hours)
- Knowledge Base
- Technical Tips
- Compatibility Matrices
- Downloads
- Product Announcements
- Service Packs and Fixes
- Technical Notes and Whitepapers
- Freeware Tools and Utilities
- Documentation
- Support Email Notification Subscription

Prerequisites

Please download the Roxtec package from www.roxtec.com/en/products/design/3d-cad-libraries/intergraph-smart-3d.

Installation Steps

The following subsections describe the library, software and file installation for use of Roxtec cable and pipe transits.

Smart 3D Version: 2019

How to place Piping Specialties and Cable tray parts is explained in detail in modeling procedure instruction, see separate document.

Load DLLs and XLS Files

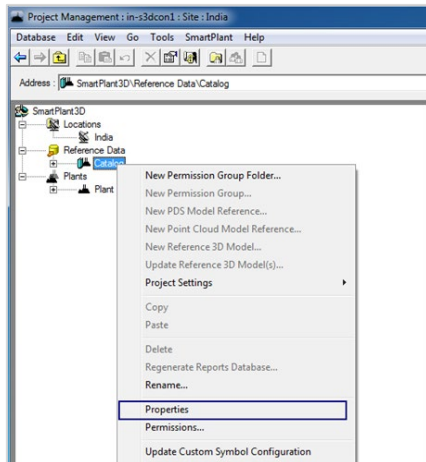
Deliver the DLLs and XML files to the symbol share of your Smart 3D server. The XLS files can be placed in any folder; the folders suggested in the following step-by-step instructions are the Smart 3D default folders.

Complete the steps in the following subsections to load the DLLs and XLS files for the S3D_ROXTEC_PACKAGE_07Oct2022 package.

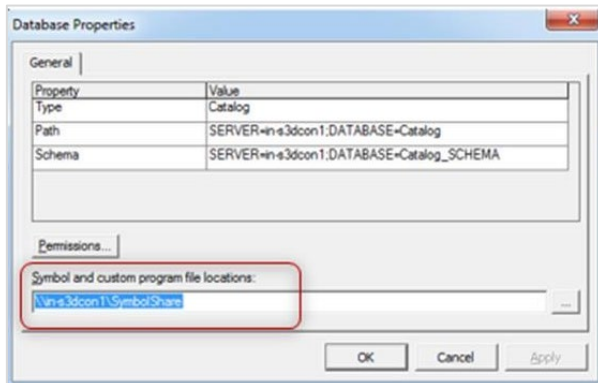
Identify the Active Symbol Share

Load the delivery package in the active symbol share. Complete the following steps to determine the active symbol share name path:

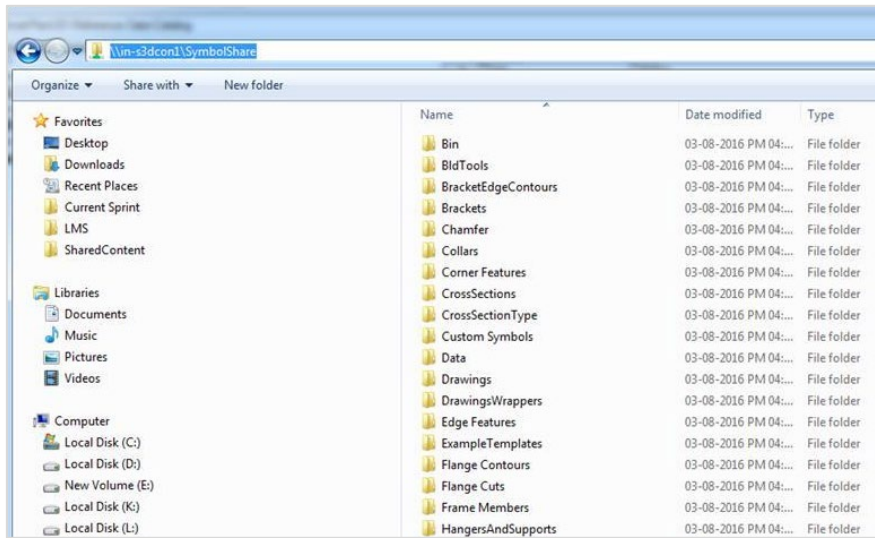
- 1 Open Project Management and select the Catalog database in which the package is to be loaded.
- 2 To view the symbol share name in Smart 3D:
 - a. Right-click the Catalog name and select **Properties**.



- b. The **Database Properties** dialog box will be open. Copy the location shown in the **Symbol and custom program file locations** field.

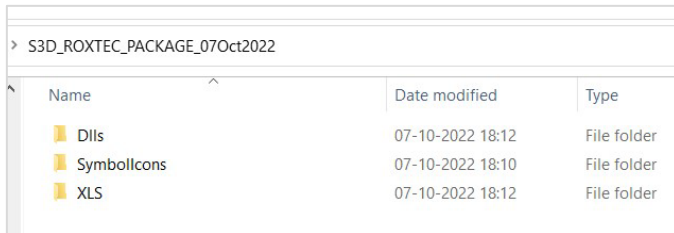


- c. Open Windows/File explorer and paste the copied location in the Address bar to open the active symbol share folder.



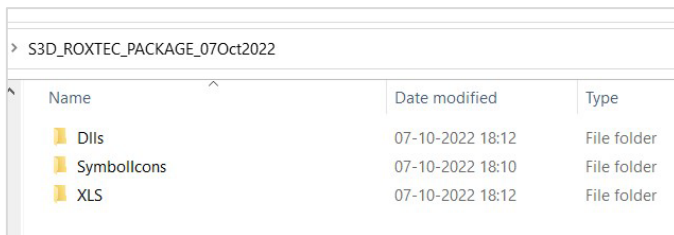
Copy the Symbol Icons

Copy the **image files** from the S3D_ROXTEC_PACKAGE_07Oct2022\SymbolIcons\ to your <Symbol share Directory>\SymbolIcons\ folder.

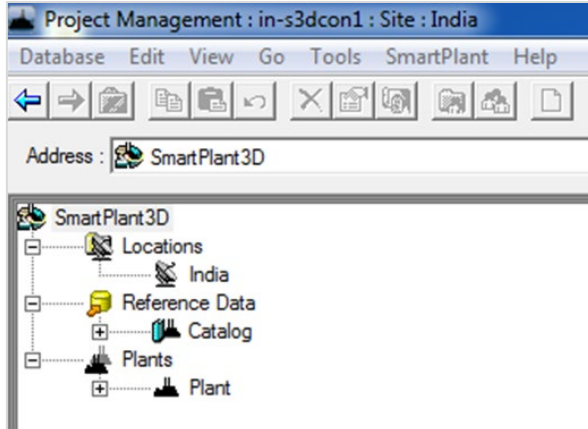


Copy the DLLs

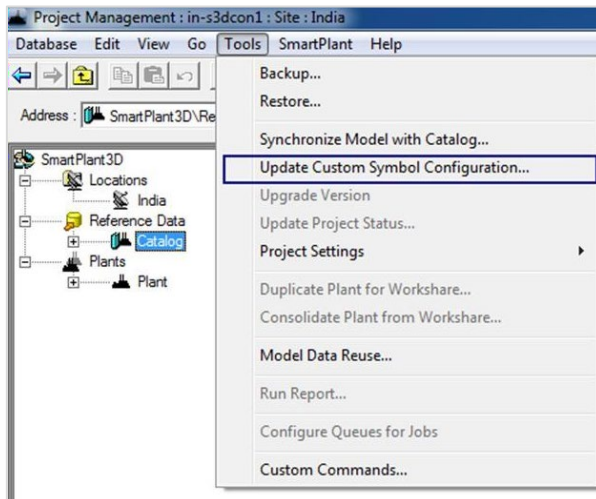
- 1 Copy the **dlls** from the S3D_ROXTEC_PACKAGE_07Oct2022\DLLs\ folder to your <Symbol share Directory>\CustomSymbols folder.



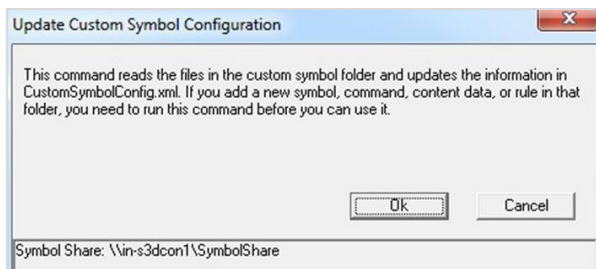
- 2 Update the dll system through the **Project Management** environment by selecting the Smart 3D Catalog database as shown below:



- 3 Go to Tools and select Update Custom Symbol Configuration.



- 4 The following message indicates that all the newly placed dlls have been updated.



- 5 Click **OK**.

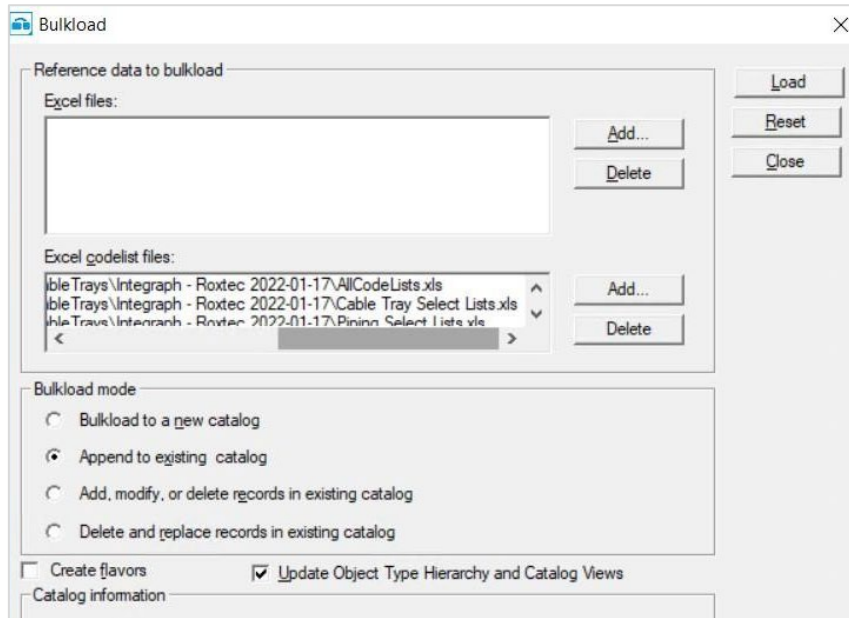
Bulkload Microsoft® Excel® Workbooks for Catalog → To New Catalog

- Using the **Append to existing catalog function**, bulkload the following “Cable Tray Select Lists.xls” Excel workbook from the S3D_ROXTEC_PACKAGE_07Oct2022 \XLS\

Note: Bulkload warnings like Data already exist in the CodeList Table can be ignored.

File Name to be Added	Location in the Bulkload Tool
Cable Tray Select Lists.xls	Excel Codelist Files
Piping Select Lists	Excel Codelist Files

File Name to be Added	Location in the Bulkload Tool
AllCodeLists	Excel Codelist Files



- 2 Based on the requirement, bulkload one or all of the following Excel workbooks from the S3D_ROXTEC_PACKAGE_07Oct2022 \XLS\ using the **Append to existing catalog** function. The following image shows loading all the workbooks.

Note: Bulkload warnings like Cannot create object, Object already exists in the database and Unable to create the PartClass, A PartClass already exists with the given name in the database can be ignored. Also, warnings like PartClass length is exceeding 30 characters which will cause problem while converting database to Oracle, is coming from the existing the package.

Note: Bulkload the below files in given order. Specifications need to be loaded initially as shown below.

File Name to be Added	Location in the Bulkload Tool
03Sample_Roxtec_CableSpec_Append.xlsx	Excel Files
04Roxtec_CableTrays_Append.xls	Excel Files
05Roxtec_Specialities_Append.xls	Excel Files

