



SMART PLANT 3D

Piping catalogues and
specifications



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SP3D Admin

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Kagira Drawing Solution
No: 2A, Anna Nagar First St,
Velachery, Chennai
India- 600 042
Ph: +91 9500 100 966



Syllabus

- ✓ **Volume-I** Introduction
- ✓ **Volume-II** Admin & Project Management
- ✓ **Volume-III** Over View of Structured Query Language
- ✓ **Volume-IV** Equipment and Furnishings Reference Data
- ✓ **Volume-V** Piping Reference Data
- ✓ **Volume-VI** Structural Reference Data
- ✓ **Volume-VII** Electrical Reference Data
- ✓ **Volume-VIII** Drawing Customization
- ✓ **Volume-IX** SP3D Isometric Drawings
- ✓ **Volume-X** Report Customization



VOLUME-I

Introduction

1. Learning about Smart Plant Administrative Functions in the Software
2. Common Overview
3. Types of Database
4. Overview of Symbol share

VOLUME-II

Admin & project management

1. Create new site and plant
2. Create permission groups and assign permissions
3. Simple Backup
4. Restoring a Plant Database (Option 1)
5. Restoring a Plant Database (Option 2)
6. Restoring a Plant Database (Option 3)
7. Deleting a Plan
8. Deleting a Catalogue
9. Manual Creation of System Hierarchy
10. Import Creation of System Hierarchy
11. Assign Specifications to Systems
12. Restore as copy Training Plant
13. Model Data Reuse Copy – Move in Existing Plant
14. Model Data Reuse Copy – Rotate and Copy to New Plant
15. Synchronize Model with Catalogue and View Generation
16. Database Maintenance
17. Database Integrity
18. Error log files
19. Interference Checking
20. Export ZVF and XML files to be used in R3D referencing
21. Attach external 3D data as a reference (R3D)
22. Perform transformation (rotation, scaling, and translation) to R3D models
23. Update attached R3D models
24. Export VUE and MDB2 files to be used for R3D Referencing
25. Export VUE and MDB2 files to be used for R3D Referencing
26. Use R3D referenced models for Parallel Design (Optional)
27. Bulk load Reference Data



Volume-III

Over View of Structured Query Language

1. SQL Database Maintenance
2. Back Up and Restore
3. Catalogue Data Recovery for SQL Server 2008 SP3
4. Host Failure and Recovery
5. Permission Groups

Volume-IV

Equipment and Furnishings Reference Data

1. What's New in Equipment and Furnishings Reference Data
2. Catalogue u Hierarchy
3. Equipment Catalogue u Hierarchy
4. Custom Interface Sheet

Volume-V

Piping Reference Data

1. Creating a New Piping Materials Class
2. Adding a New Piping Component to a Specification
3. Adding a New Part to the Catalogue u
4. Piping Specification Rules
5. Create New Piping Part Classes using Bulk load
6. Bolt Part Data Sheet

Volume-VI

Structural Reference Data

1. Structural
2. Reference Data Overview
3. Member Reference Data
4. Define a New Member Type
5. Define a New Material Type
6. StructAssemblyConnections Workbook
7. Slabs, Walls, and Openings Reference Data
8. Export user-defined attributes from Tekla Structures

Volume-VII

Electrical Reference Data

1. Electrical Reference Data
2. Naming Rules Reference Data
3. Electrical Reference Data Workflow
4. Cableway Reference Data
5. Cable Tray Reference Data



6. Duct Bank Reference Data
7. Conduit Reference Data

Volume-VIII

Drawing Customization

1. Import a Border File and Create a Drawing Area
2. Reference Data Tools
3. Define View Style Command
4. View Style Properties Dialog Box
5. Create an Orthographic Drawing View Style
6. Edit Border Template Command
7. Edit Layout Template Command
8. Add Flow Arrows to Orthographic Drawings
9. Creating & Updating Drawings
10. Drawing Editor
11. Smart Labels
12. Drawing Types (Snapshot, Volume & Drawings by Query)
13. Document Status Icons

Volume-IX

SP3D Isometric Drawings

1. Introduction
2. Isometric drawings extraction
3. Importing Micro station DGN or DWG Border file
4. Create Package
5. Run Query (Shortcut Menu)
6. Isometric Drawing Styles

Volume-X

Report Customization

1. Creating Model Reports
2. Defining a COM Label
3. Advanced Reporting

End

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- ✓ Piping Design Course
- ✓ PDMS
- ✓ PDMS Admin
- ✓ Smart Plant 3D (SP3D)
- ✓ Smart Plant 3D (SP3D) Admin
- ✓ Everything 3D (E3D)
- ✓ Everything 3D (E3D) Admin
- ✓ Caesar II
- ✓ PV-Design
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KAGIRA DRAWING SOLUTION

No: 2A, First Floor, AnnaNagar First St, Velachery, Chennai, India- 600042.

Ph: 9500 100 966, 044 2454 2454, Mail: training@kagira.com
www.kagira.com, www.onlinepiping.com, www.kagirajobs.com