

SmartPlant 3D 管理和管道数据库培训函

尊敬的客户们好！

鹰图公司将在上海办公室举行一期 SP 3D 管理和管道数据库培训，具体安排如下：

日期： 2011 年 2 月 21 日至 2 月 25 日

地点： 上海市长宁区虹桥路 1452 号 古北国际财富中心 8 楼

主讲： 艾登

希望大家踊跃报名！

欲报名者请联系：

许佩林 021-6197 7589

电子邮件：peilin.xu@intergraph.com

培训费： 每个学员人民币 2,500 元。
鹰图公司对每位学员**提供培训机器**。

详细的课程安排请见附件 1。

附件 1： SP 3D 管理和管道数据库培训日程

此致
敬礼



鹰图系统（深圳）有限公司上海分公司
2011 年 1 月 7 日

SP3D 管理和管道数据库培训日程介绍

General Setup and Administration - 1 day

Software Installation

- Installing Microsoft SQL Server
- Installing SmartPlant 3D
 - Server
 - Workstation
 - Programming

Creating and Managing Databases

- Site Database Creation
- Catalog Database Creation
- Plant Database Creation
- Reports Database

Permissions and Access Control

- Database Permissions
- Plant Permissions
- Approval Status

Backup and Restore Procedures

- SmartPlant 3D Backups
 - In-Place Restore
 - Off-Site Restore
 - Restore as Copy
- SQL Server Backups

Plant Organization

- Systems Hierarchy
- Allowed Specifications
- Space Layout
- Work Breakdown Structure (WBS)
- Item Ownership and Access rights

Interference Detection

- Setup and Configuration
- Database Detect
- Local Detection

Database Integrity

- DB checks
- SP3D Error logs
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Interference Checking - 1/2 day

Interactive interference checking

Background interference checking

Interference checking rules

Piping Reference Data – 3 days

Day1

Piping Reference Data

- Overview
- Delivered Piping Reference Data

Piping Specification Overview

- Piping Material Class Data
- Piping Material Class Rules
 - Service Limits Rule
 - Nominal Piping Diameter Rule
 - Default Change of Direction Rule
 - Bend Angle Rule
 - Branch Insertion Rule
 - Weld Clearance Rule
 - Pipe Takedown Parts Rule
- Piping Commodity Filter
 - Short Code
 - Option Code
 - Selection Basis
 - Multi Size Option
 - Commodity Code
 - Bend Radius Multiplier
- Piping Commodity Material Control Data
 - Contractor Commodity and Industry Commodity Code
 - Material Descriptions
 - Gasket Requirements
 - Bolting Requirements
 - Welding Requirements

Piping Specification Validation

- Verify Consistency between Piping Specification and Catalog tool
- Database Verification/Consistency Checks

Piping Commodity Part Data

- Overview – Example: Equipment Class
- Definition section
- Part section
- Excel format sheet

Piping Specification Rules

- Project Default Option
- Short Code Hierarchy
- Default Commodity Selection Rule
- End Preparation Compatibility Rule
- Mating Mechanism
- Port Alignment Rule
- Permissible Taps Rule
- Weld Model Representation Rule
- Weld Type Rule
- Standard Notes Data

Day 2

Connection Selection Filters

- Gasket Selection Filter
- Bolt Selection Filter
- Nut Selection Filter
- Washer Selection Filter

Piping Commodity Generic Data

- PlainPipingGenericData sheet
- PipingGenericDataBolted sheet
- PipingGenericDataFemale sheet

Bolt Length Calculations

- Bolt Extension Length
- Preferred Bolt Length Rules

Synchronization between Model & Catalog

- Workflow

Valve Operators

- Overview
- Valve Operator Type
- Delivered Valve Operator Part Classes
- Delivered Valve Operator Symbols

Instrument & Specialty Items

- Overview
- Stock Item vs Custom Items
- Instrument Class Data
- Piping Specialty Class Data
- Delivered Instrument/Specialty Part Classes
- Delivered Instrument/Specialty Symbols

Questions & Answers 1/2 Day