Training Course

SmartPlant Foundation 2008 (4.2) Modeling and Mapping — TSPE3242

This introductory administration course for SmartPlant and SmartPlant Foundation (SPF) The SmartPlant Modeling and Mapping course is the second in the Process, Plant and Marine series of classes on SPF and is designed to introduce an administrator and a data modeler to the SmartPlant 2008 data dictionary and structure. This course, which is a pre-requisite for the SmartPlant Adapter Authoring class, provides an introduction and understanding of meta-schema and schema concepts, an overview of the SmartPlant Schema definition, and a working knowledge of the Schema Editor. SmartPlant Modeling and Mapping will also provide an understanding of mapping concepts and how to use the Schema Editor to configure mapping between the SmartPlant Schema and the authoring tool meta schema files. The course also illustrates the steps necessary to extend authoring tool data models to move customer properties from one authoring tool to another through SPF. The course also illustrates the steps necessary to extend authoring tool data models to move customer properties from one authoring tool to another through SPF. The steps to load the modified schema into the SPF database is also covered. The class is presented as a combination of lecture sessions followed by hands-on activity periods.

Topics Covered:

- Review of the SmartPlant Architecture
- Introduction to the Schema Editor
- Schema Overview and Modeling
- Viewing and finding publish data
- Authoring tool modeling steps
- Mapping between SmartPlant and SmartPlant P&ID
- Mapping between SmartPlant and SmartPlant Instrumentation
- Mapping between SmartPlant and SmartPlant Electrical
- Mapping between SmartPlant and SmartPlant 3D
- Loading Schema Changes and Testing

Prerequisites:

- Familiarity with Microsoft Windows NT 2000, XP or Windows Server 2003
- Knowledge of database administration (i.e. Oracle, Microsoft SQL Server)
- SmartPlant/SmartPlant Foundation Introduction and Administration I -(TSPE2142) (Optional for programmers/data modelers, Required for System Administrators