

Syllabus

Course Number: TSPL1003

Course Title: SmartPlant P&ID Automation Layer

Course Length: 4 days

Class Hours

First day: 8:30 – 4:30 P.M.

Second day: 8:15 – 4:15 P.M.

Third day: 8:15– 4:15 P.M.

Fourth day: 8:15 – 4:15 P.M.

First Day

Introduction

SmartPlant P&ID Automation Overview

Data Model Fundamentals – UML

Relationship between Logical Model Automation (LLAMA) and SPPID Data Model Overview

Introduction to Non-Data Model Objects in LLAMA

 LMADataSource, LMAItem and LMAAttribute

 LMACriterion, LMAFilter, LMAEnumAttList and LMAEnumeratedAttribute

SPPID Data Model – Part 1: Model Data

 Model Item

Second Day

SPPID Data Model – Part 1: Model Data

 Plant Item

 Logical Connectivity

SPPID Data Model – Part 2: Drawing Data

 Representation and Label Persist, Symbol, Connector and Bounded Shape

 Navigation

Third Day

Additional Data Model:

 Relationship

 PlantGroup

 WorkShare

 As-Build/Project

 Access Option Settings

Placement Automation (PLAICE)

 Place Item In Stockpile, Place Symbol and Label

 Place PipeRun, Bounded Shape, Assembly and Gap

 Delete, Remove and Replacement

PIDAutomation

Fourth Day

Calculation/Validation Interface

Delivered PlantItem Validation

Delivered ItemTag Validation

Delivered Unit Name Validation

Import Interface

Delivered Import Program

Delivered Report, From/To Macro, LMAutomationUtil

Delivered Copy/Paste/Import Drawing Interface Program

Q&A