



COURSE DESCRIPTION

The InTouch 2017 Comprehensive tag-based course is a 5-day, instructor-led class focused on Managed InTouch application design. The course uses lectures and hands-on labs to provide a fundamental understanding of the basic principles of the Wonderware visualization module and the steps to develop a Human Machine Interface (HMI) system for your specific plant floor. You are guided through setup, layout, best practice concepts, features, and functions of the InTouch software platform. Hands-on labs reinforce concepts and features.

OBJECTIVES

Upon completion of this course, you will be able to:

- Build a complete Managed InTouch application following best practices
- Build an HMI with Situational Awareness
- Use WindowMaker to create windows and configure your InTouch application
- Create and import tags, and use the Tagname Dictionary
- Establish communications with I/O-aware programs
- Build and customize graphics
- Embed ArchestrA symbols into a Managed InTouch application
- Animate graphics and text with Animation Links
- Use the scripting editor to create QuickScripts
- Add alarm functionality to an application
- Implement InTouch security in an application
- View data in Realtime Trends and Historical Trends
- Back up and distribute your application
- Develop an HMI for your specific plant floor environment using InTouch

AUDIENCE

Plant floor operators and managers, system administrators, system integrators, and other individuals who need to use the InTouch HMI software in manufacturing processes.

PREREQUISITES

- Familiarity with Microsoft Windows
- Manufacturing industry experience (recommended)

COURSE OUTLINE - INTOUCH COMPREHENSIVE 2017

MODULE 1 - INTRODUCTION

- Section 1 – Course Introduction
- Section 2 – InTouch Software Overview
- Section 3 – System Requirements and Licensing
- Section 4 – InTouch Application Types

MODULE 2 - WINDOW LAYOUT AND BASIC NAVIGATION

- Section 1 – WindowMaker Overview
- Section 2 – WindowViewer Overview
- Section 3 – Configure and Test Navigation

MODULE 3 - INTOUCH TAGNAME DICTIONARY

- Section 1 – InTouch Tagname Dictionary
- Section 2 – I/O Configuration
- Section 3 – Tag Viewer
- Section 4 – DBDump and DBLoad
- Section 5 – Other Tag Management Utilities

MODULE 4 - SITUATIONAL AWARENESS VIZUALIZATION

- Section 1 – HMI Displays and Situational Awareness
- Section 2 – Element Styles
- Section 3 – Window Construction Using Symbol Editor
- Section 4 – Custom Properties and Animations

MODULE 5 - INTOUCH ALARMS

- Section 1 – InTouch Tagname Alarm Configuration
- Section 2 – Live Alarms Management
- Section 3 – Historical Alarms Management

MODULE 6 - DATA LOGGING AND TRENDING

- Section 1 – InTouch History and Real-Time Trending
- Section 2 – Using Historian with InTouch

MODULE 7 - INTRODUCTION TO QUICKSCRIPT

- Section 1 – Introduction to InTouch QuickScript



MODULE 8 - INTRODUCTION TO ARCHESTRA SYMBOL QUICKSCRIPT.NET

- Section 1 – ArcestrA Script Editor
- Section 2 – Use Scripts to Drive Animation
- Section 3 – Scalable Window Navigation
- Section 4 – Show Graphic Script Function

MODULE 9 - OS SECURITY IMPLEMENTATION

- Section 1 – OS Security Implementation
- Section 2 – Locking Down Your Application

MODULE 10 - SECURITY

- Section 1 – Security Overview
- Section 2 – Object Security

MODULE 10 - APPLICATION MAINTENANCE AND DISTRIBUTION

- Section 1 – Application Backup and Restore
- Section 2 – Application Publishing
- Section 3 – Network Application Distribution