

INTOUCH

Duration: 4 days, Instructor-led

Course Description

The tag-based InTouch course is a 4-day, instructor-led class focused on Modern InTouch application design. The course provides 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 via online training. You are guided through setup, layout, best practice concepts, features, and functions of the InTouch software. Hands-on labs reinforce concepts and features.

Objectives

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

- Create a Modern InTouch Application
- Construct a Key Performance Indicator display
- Configure a DA Server
- Establish communications with I/O-aware programs
- Create, export, and import tags
- Test and monitor tags
- Build custom symbols
- Visualize advanced interactive data presentations
- Configure InTouch Alarms
- Manage live and historical alarms
- Configure Security
- Configure, log, retrieve, and export InTouch history
- View data in Real-time Trends
- Back up and Restore an InTouch application
- Distribute an application to the production environment

Audience

- Plant floor operators and managers
- System administrators
- System Integrators
- Other individuals who need to use the InTouch HMI software in manufacturing processes

Prerequisites

- Manufacturing industry experience (recommended)

Course Contents

Module 1 : Introduction

- Lab 1 – Course Introduction
- Lab 2 – InTouch Software Overview

- Lab 3 – System Requirements and Licensing
- Lab 4 – InTouch Application Types

Module 2 : Window Layout and Basic Navigation

- Lab 5 – Window Design and Navigation using WindowMaker

Module 3 : InTouch Tagname Dictionary

- Lab 6 – The Tagname Dictionary
- Lab 7 – I/O Configuration
- Lab 8 – Tag Viewer
- Lab 9 – DBDump and DBLoad
- Lab 10 – Miscellaneous Tag-Related Items

Module 4 : Situational Awareness Visualization

- Lab 10 – HMI Displays with Situational Awareness
- Lab 11 – Element Styles
- Lab 12 – Window Construction Using Symbol Editor
- Lab 13 – Custom Symbol Construction Using Custom Properties and Animation

Module 5 : InTouch Alarms

- Lab 14 – InTouch Tagname Alarm Configuration
- Lab 15 – Live Alarms Management
- Lab 16 – Historical Alarms Management

Module 6 : Data Logging and Trending

- Lab 17 – InTouch History
- Lab 18 – Real-Time Data Trends

Module 7 : Introduction to QuickScript

- Lab 19 – Introduction to InTouch Quicksript
- Lab 20 – Historical Trend Window Enhancement with Quicksript
- Lab 21 – Scalable Window Navigation
- Lab 22 – Introduction to ArcestrA Symbol Quicksript.Net
- Lab 23 – Angle Properties and Point Animation
- Lab 24 – ShowGraphic Script Function

Module 8 : Security

- Lab 25 – OS Security Implementation
- Lab 26 – Locking Down Your Application

Module 9 : Application Maintenance and Distribution

- Lab 27 – Application Backup and Restore
- Lab 28 – Application Publishing
- Lab 29 – Network Application Distribution