

RSVIEW32 HMI TRAINING SOFTWARE

"Mastering Human-Machine Interface Configuration for Industrial Automation Systems"

Schedule

Date	Venue	Fees (Face-to-Face)
21 - 23 Oct 2026	Dubai, UAE	USD 2495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

RSView32 is a powerful Human-Machine Interface (HMI) software used to monitor, control, and optimize industrial automation systems. Mastery of RSView32 enables engineers and technicians to create user-friendly, real-time operator interfaces that enhance plant visibility, reduce response times, and ensure efficient process control.

This intensive hands-on training course provides participants with the practical knowledge and skills required to design, configure, troubleshoot, and maintain RSView32 applications. The course focuses on screen design, tag integration, alarm configuration, data logging, and system diagnostics for industrial HMI environments.

Objectives

By the end of this course, participants will be able to:

- Understand the architecture and components of RSView32 HMI systems
- Create and configure graphical displays, objects, and animations
- Integrate tags and communication drivers with PLCs
- Set up alarms, events, and logging for real-time monitoring
- Troubleshoot RSView32 applications and maintain HMI performance

Why Attend

- Gain practical expertise in one of the most widely used HMI platforms
- Enhance your ability to manage industrial automation systems
- Minimize downtime by quickly diagnosing and resolving HMI issues
- Improve operator effectiveness and plant safety through optimized interfaces
- Advance your technical career with RSView32 configuration proficiency

Target Audience

This program is designed for:

- Instrumentation and control engineers
- Automation and electrical technicians
- SCADA and HMI system integrators
- Plant maintenance and reliability staff
- Anyone responsible for configuring or supporting HMI systems

Individual Benefits

Key competencies that will be developed include:

- RSView32 screen creation and animation control
- Tag management and communication setup
- Alarm and data logging configuration
- System diagnostics and troubleshooting
- HMI interface design for usability and clarity

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved plant automation reliability and response time
- Reduced maintenance costs through faster HMI issue resolution
- Standardized HMI design practices across facilities
- Better integration of SCADA/HMI systems with control networks
- Increased uptime and productivity across automated operations

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - RSView32 architecture and functional overview
- Case Studies - Industrial HMI project examples and real-world applications
- Workshops - Screen building, animation, alarm setup, and diagnostics
- Peer Exchange - Sharing HMI issues and best practices across industries
- Tools - RSView32 simulation files, project templates, and troubleshooting guides

Course Outline

Detailed 3-Day Course Outline

- **Training Hours: 7:30 AM - 3:30 PM** Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: RSView32 Fundamentals and Interface Configuration

- Module 1: Introduction to RSView32 Architecture (07:30 - 09:30) • Software components and system requirements • Client-server setup and licensing overview
- Module 2: Creating Graphic Displays (09:45 - 11:15) • Screen layout, objects, colors, and user navigation • Designing user-friendly HMI interfaces
- Module 3: Tag Integration and Data Sources (11:30 - 01:00) • Setting up and importing tags • Configuring OPC/DDE links and PLC communications
- Module 4: Workshop - Basic Display Creation (02:00 - 03:30) • Participants design and configure a sample process screen

Day 2: Alarms, Events, and Data Logging

- Module 1: Alarm Configuration (07:30 - 09:30) • Discrete and analog alarms • Event triggering and alarm acknowledgment
- Module 2: Data Logging and Trending (09:45 - 11:15) • Setting up datalog models and log triggers • Real-time vs. historical trending
- Module 3: User Access and Security (11:30 - 01:00) • Creating user groups and access control levels • Login/logout procedures and audit trails
- Module 4: Workshop - Alarm & Trend Setup (02:00 - 03:30) • Configuring alarms and trend displays on HMI screens

Day 3: Diagnostics, Troubleshooting & Application Management

- Module 1: HMI Diagnostics and Performance Tuning (07:30 - 09:30) • System error logs and event viewers • Improving performance with tag and screen optimization
- Module 2: Project Backup and Restoration (09:45 - 11:15) • Managing RSView32 projects and updates • Version control and disaster recovery
- Module 3: HMI Best Practices and Final Review (11:30 - 01:00) • HMI design standards for safety and efficiency • Review of key configurations and project files
- Module 4: Certification Assessment and Wrap-Up (02:00 - 03:30) • Final project simulation and participant feedback • Certificate distribution

Certification

Participants will receive a Certificate of Completion in RSView32 HMI Configuration & Troubleshooting, confirming their ability to design, manage, and optimize RSView32-based interfaces for industrial automation systems.

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