

FactoryTalk® Software

FactoryTalk® Metrics with Historian Class Configuration Course Description

COURSE AGENDA

- Introduction to MSSQL 2005 Database
- Create a FactoryTalk® Metrics Database and User
- Create System DSN
- Install FactoryTalk® Metrics Software
- Install RSLinx® Enterprise
- Administrating FactoryTalk® Metrics with the Service Console
- Creating a FactoryTalk® Application
- Create FactoryTalk® Metrics Plant Model
- Configure FactoryTalk® Metrics Workcell
- OEE Box Report
- OEE Detail Report
- FactoryTalk® Metrics Machine States
- Configure FactoryTalk® Metrics User Defined Events
- Create FactoryTalk® Metrics Report Data Source
- Create Text Report for User Defined Events
- Create Chart Report
- Installing the FactoryTalk® Metrics Report Expert
- Using Report Expert
- Time Series Data Collection
- Time Series Trend Chart
- Time Series Compressed Data
- Time Series Storage Options
- External Data Source
- Excel Add in



COURSE NUMBER: RS-FTMHCC

Course Purpose

FactoryTalk® Historian Classic/Metrics is a complete, windows-based solution for the analysis of time-series process and production data. In this course, you'll learn to use Historian's data collection and data analysis functions to perform logging, reporting, and viewing of data.

FactoryTalk Metrics builds on the reporting, analysis, and management capabilities of the Historian by providing a set of tools to analyze the performance of production assets. PlantMetrics provides a performance rating, based on the widely used Overall Equipment Effectiveness (OEE) model, for every production asset. The OEE metric provides a simple way to quickly determine if a production asset is performing adequately.

In this course, you'll also learn to use the reporting, graphing, and querying functionality that make FactoryTalk a complete and very easy-to-use solution for data collection and analysis.

Who Should Attend

This course is intended for engineers, and plant managers who need to collect PLC data, and analyze and report that data.

Prerequisites

A familiarity with the Windows NT/2000 user interface and a basic understanding of Allen-Bradley PLC processors is required. We also recommend knowledge of basic client/server database concepts. A familiarity with basic networking concepts is also strongly recommended. Knowledge or experience with Microsoft SQL Server is also helpful.

Student Materials

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.

Course Length

This is a four-day course.

Course Number

The course number is RS-FTMHCC

IACET CEUs

CEUs Awarded: 2.8



To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

www.rockwellautomation.com

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