
Omnivise T3000 Engineering Remote course (OT3K_ENG_R)

Short Description

The participant will learn the basic principles and views of I&C engineering, diagnostics and operation of the Omnivise T3000 system. Each student will implement a basic control system model, using the workbench to create both function diagrams and plant displays. Emphasis will be placed on sensor processing/coupling for analog and binary signals, along with motor/actuator control applications.

Objectives

Upon successful completion of this course, the student should be able to:

- Explain the operation of the control system and network structure
- Identify the automation hardware components
- Navigate through the online documentation
- Distinguish between hardware and software problems
- Create logic and process diagrams for an actual plant model
- Understand operation and configuration modes of operation
- Use the diagnostic view to isolate faults in the system
- Create a "Trend" plant display
- Acquire a good understanding of the usage of Power Plant specific Automation Blocks such as: Sub Loop Controller, Motor Block, Analog Signal Monitoring, Set Point Adjustment, Servo, Device Change Over, RESElect and Operating Hours Counter.

Target Group

Electrical engineer, electronics technician or competent individual with an electronics background and knowledge of PC operations using MS Windows®. Prior experience with a distributed control system is desirable.

Content

System hardware and software architecture, redundancy

Peripherals

System documentation

Engineering

- Function diagram
- Plant display
- Archive

Integrated engineering, using AF-blocks and prototypes, creating macros, creating trend displays

Operation

- Faceplates
- Trends
- Alarms
- Display navigation

Diagnostics

- Change of parameters
- Dynamic function diagram
- Forcing ports

Commissioning

- Point view

Plant display hierarchy

Engineering examples

- I/Os
- Logic
- Motor
- Graphics

Omnivise T3000 system summary.

Prerequisites

Electrical engineer, electronics technician or competent individual with an electronics background and knowledge of PC operations using MS Windows®. Prior experience with a distributed control system is desirable.

Type

Face-to-face training

Duration

3 days

Language

en

Fee

Price 'per seat' \$4792 USD.