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Vester Industrial
training center

WORKSHOPS & SPECIALIZED TRAINING
IN INDUSTRIAL ENGINEERING

STANDARD APPLICATION FOR SCADA SYSTEMS DESIGN

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STANDARD APPLICATION FOR SCADA SYSTEMS DESIGN

General Description

The assistant will learn about ISA standards to define, measure and design a SCADA system. The course is focused on the following standards:

- API 1167 Alarm Management Recommended Practice
- ISA SP-18 Alarm Management committee
- ISA SP101 HMI committee

Aimed to

All professionals in the world of industrial automation who must implement, size, design or sell SCADA systems in their projects, for example: Systems Engineers, Mechatronics Engineers, Electrical Engineers, Electronic Engineers, Industrial Engineers, Mechanical Engineers, Chemical Engineers with experience in SCADA Systems configuration.

Material included

- Manual and exercise guide in digital format.
- Power points with extra material.
- Annexes in digital format.
- Access to the virtual classroom.
- Digital diploma of successful completion by VITC.

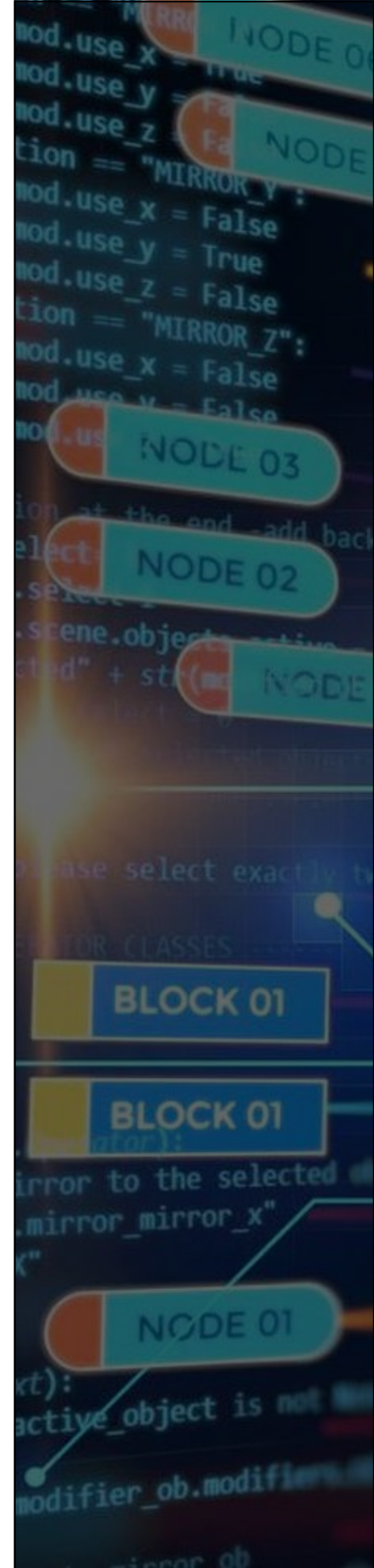
*All the necessary material will be sent by mail before the first day of Workshop.

General objective

The student will learn to design robust and functional SCADA systems no matter which brand they use.

Specific objectives

- Know the use of terminology and design standards.
- Know the scope of the SCADA Software applications.
- Know the different means of signal processing towards the SCADA software (communication and integration).
- Know SCADA software design topologies and architectures. Development of the SCADA Gateway concept.
- Principles of the design of Screens. Use of the essential principles for an effective design of screens.
- Know the life cycle of a SCADA project.
- Creation and documentation of a SCADA project.
- Know the use of animation tools.
- Know the use of symbols and scripts.
- Know the use of Templates and Instances.
- Know the use of Structured Logic
- Historical design, reports and graphics.
- Structure of the names of the variables and their conventions.
- To be able to establish links with databases without being experts in databases.



Workshop schedule

Day 1

- Introduction to SCADA Systems
- Methodology for the design of typologies
- Elements to take into account when designing any SCADA
- Real practical case
- Animation methodologies
- Standards for the use of symbols and scripts
- Real architectures of SCADA softwares

Day 2

- Good practices for the use of user commands
- Methodology for creating templates and instances
- Structured logic for security
- Screen structures and their conventions
- How to design for web clients

Day 3

- Methodology for the use of databases
- Trend structures, tables and reports
- Diagnosis of communications
- Methodology for the use of alarms

Workshop information

 **Training duration:**

3 days

 **Format:**

Online

Face to face

Private

 **Language:**

English

Spanish

 **Contact:**

Marcela Aguilar

 **Email:**

m.aguilar@vestersl.com

 **Phone:**

(+52) 55 46 28 25 93

(+506) 22 252 344





Organized by
Vester Industrial Training Center

info@vittrainingcenter.com
www.vestertraining.com

United Kingdom
☎ (+44) 161 660 32 41

Spain y Portugal
☎ (+34) 935 686 178
☎ (+34) 650 199 175

Costa Rica
☎ (+506) 2225-2344

Mexico
☎ (+52) 55 46282593

