

zenon ADVANCED TRAINING

Advanced Program

Duration: 2 Days

Training Hours: 08:30 ~ 16:00

TRAINING OVERVIEW

The program extends the knowledge gained during the Basic Program and introduces participants to advanced zenon components used in professional projects. Participants learn how to collect and analyse process data, implement automation concepts, and accelerate project development using reusable engineering components.

Participants will learn:

- Configure and use zenon Historian
 - Store and analyse process data
 - Develop custom automation using zenon Logic
 - Exchange data between Logic and zenon projects
 - Create and manage Smart Objects
 - Increase engineering productivity through reusability
 - Apply advanced engineering best practices
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DAILY SCHEDULE

08:30 - 10:00 Training Session
10:00 - 10:30 Coffee Break
10:30 - 12:00 Training Session
12:00 - 13:00 Lunch Break
13:00 - 14:30 Training Session
14:30 - 15:00 Coffee Break
15:00 - 16:00 Training Session

DAY 1

Morning Session (08:30 - 12:00)

Historian Architecture
Data Acquisition Concepts
Data Storage & Management
Trend Analysis
Historical Data Retrieval
Long-Term Process Data Management

Afternoon Session (13:00 - 16:00)

Historical Data Evaluation
Trend Analysis & Diagnostics
Data Interpretation
Performance Considerations
Practical Historian Exercises

Learning Outcome

Participants will understand how process data is collected, stored, managed and analysed using Historian and will be able to implement historical data concepts in their own projects.

DAY 2

Morning Session (08:30 - 12:00)

Logic Architecture
Variables and Interfaces
Communication with zenon
Logic Project Structure
Automation Concepts
Runtime Operation

Afternoon Session (13:00 - 16:00)

Smart Object Concepts
Reusable Engineering Principles
Parameterisation
Building Smart Objects
Best Practices
Efficient Project Engineering

Learning Outcome

Participants will be able to develop automation concepts using zenon Logic and significantly reduce engineering effort by implementing reusable Smart Objects.

SKILLS GAINED

- Configure historical data collection and storage
- Create reports and advanced trend visualizations
- Analyse operational and historical process data
- Develop custom automation applications
- Integrate automation logic with SCADA projects
- Create reusable interface and engineering components
- Implement project standardization concepts
- Follow engineering best practices for scalable zenon projects

EXOR ETI TRAINING PATH

I Basic Training

Foundation Training

- Engineering Studio
- Service Engine
- Variables & Drivers
- Alarms & Users
- Networking Basics



II Advanced Training

- Advanced Engineering
- Archiving & Reports
- Templates & re-use
- Advanced concepts
- Best practices



III a. Energy Training

- IEC Driver
- Automatic Status Indication
- Substation Engineering
- Safe Operations

III b. Report Engine Training

- Reporting Studio
- Automated Reports
- Templates & Filters
- Data Analysis

SLOVENIA

Brnčičeva ulica 51
1231 Ljubljana

+386 1 511 10 95
+386 1 511 30 79

copadata@exor-eti.si

SERBIA

Bulevar Zorana Đinđića 87/18
11070 Novi Beograd

+381 11 4077 165
+381 605 55 37 88

copadata@exor-eti.rs

CROATIA

Buzinski prilaz 10
10000 Zagreb

+385 99 4508 109

copadata@exor-eti.hr