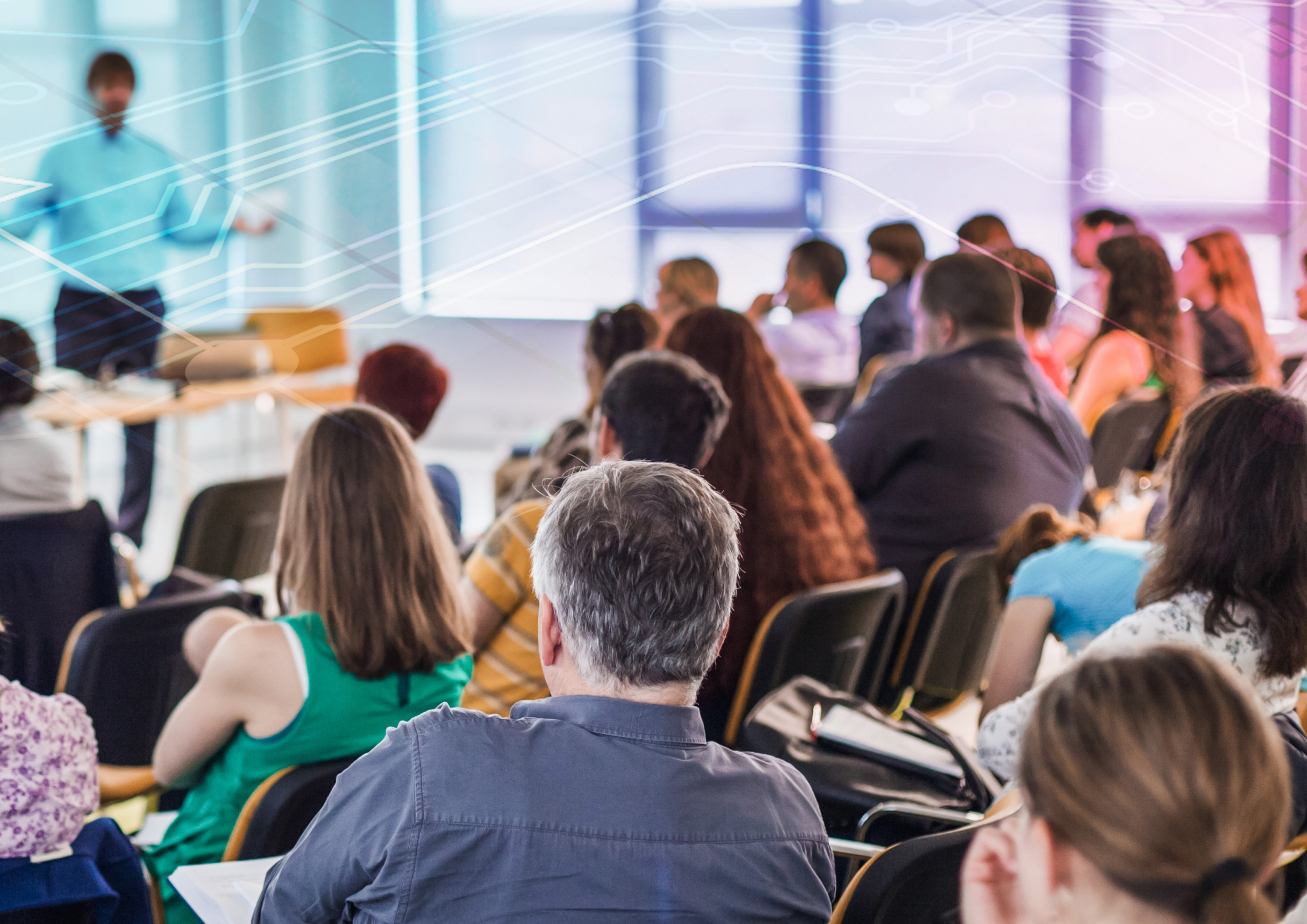
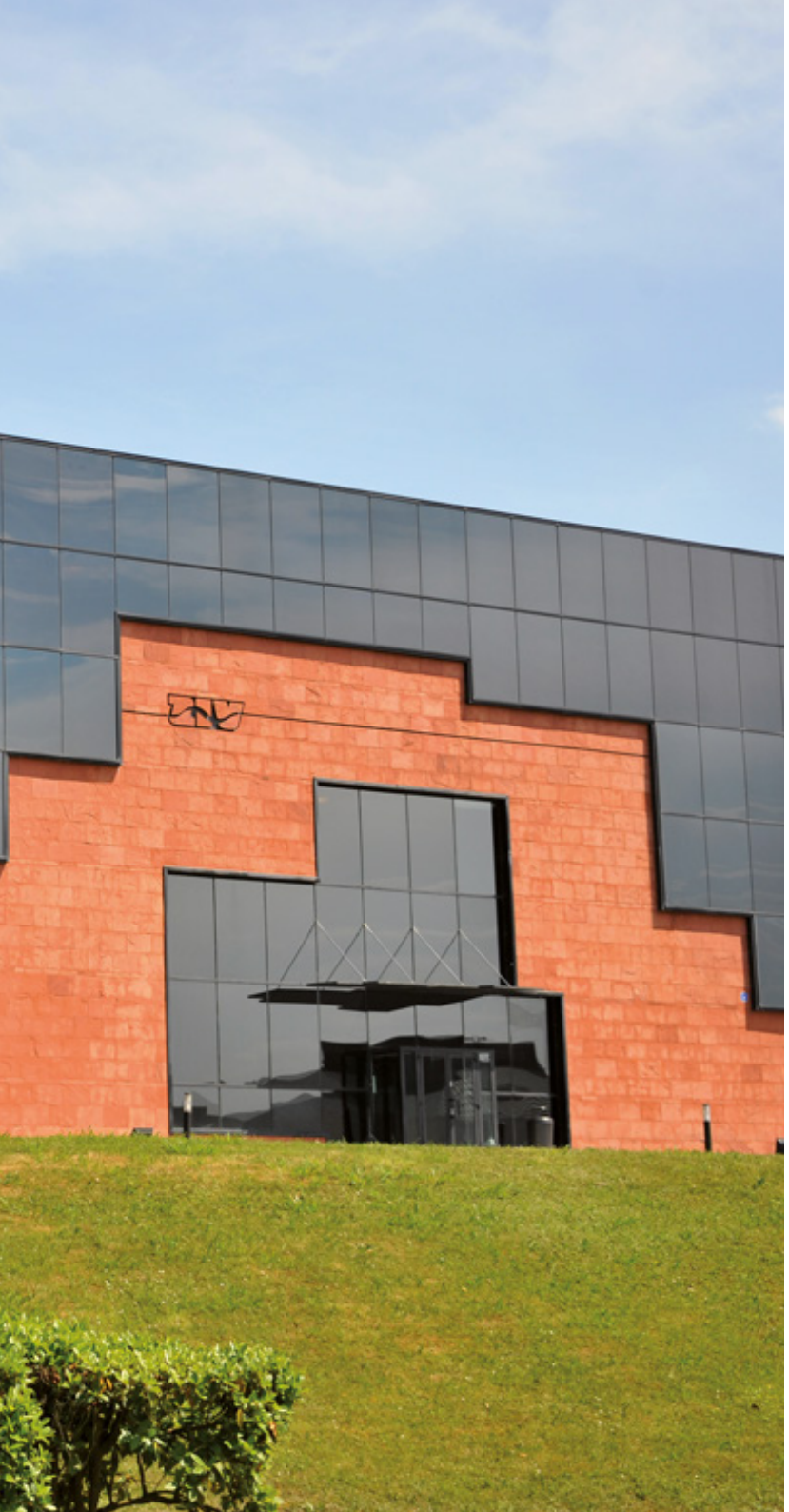
UNIVERSITY 2026 CALENDAR





VALUE ADDED SERVICES

ZIV University reflects our commitment to **supporting customers beyond technology delivery**.

As electricity grids become more digital, automated and interconnected, having the right systems in place is only part of the challenge. Ensuring that teams can operate, maintain and evolve those systems with confidence is equally critical.

ZIV University is how **we share our technical expertise** and field experience with utilities, integrators, engineering teams and O&M professionals. Through **structured courses, tailored training** and **interactive webinars**, we help our customers strengthen their capabilities and make the most of ZIV solutions throughout the entire lifecycle of their installations.

Arturo Fraile
Global Sales Director

ZIV UNIVERSITY

Beyond technology, we empower people.

Through structured courses, tailored programs, and interactive webinars, ZIV University helps power system professionals strengthen capabilities and maximize the value of their installations. Discover in the next pages:

- Detailed course content
- The 2026 training schedule
- How to reserve your place

Planned

Intensive scheduled courses at ZIV.

On-Demand

Custom training courses upon request.

Webinars

Free 30-minutes sessions with live Q&A.

Training provided by Application, Product and Systems Engineers

PLANNED

Intensive scheduled courses at ZIV

Substation Protection and Control

Modules

- Substation protection.
- Impact of renewables.
- Fault analysis and calculation.
- Overcurrent protection.
- Recloser.
- Differential protection.
- Distance protection.

Q	Date	Days	Hours	Lang.	Loc.	Hands-on
Q2	21/09-25/09	5	36	ESP	BIO	NO

Protection Relays Hands-on Training

Modules

- Introduction to ZIV Protecion Relays - Flex Family (HW, Model list...).
- Configuration Tools.
- Basic Protection Functions 50, 51, 27, 59, 81.
- Recloser, Breaker, Fault Locator, Oscillography
- IEC61850 theory (Gooses).
- Practical Exercises.

Q	Date	Days	Hours	Lang.	Loc.	Hands-on
Q3	28/09-02/10	5	36	ESP	BIO	YES

Migration to PRIME 1.4

Modules

- Communication Technologies for Meters (DLMS/PLC)
- Metering Functionality. Use of OBIS Codes.
- PRIME Network Analysis. ZIV AMI Manager.
- PHY Layer. Spectrum Analysis.
- Topology and MAC Layer Analysis.
- Layer 4-32 Interpretation.
- Concentrator. Use and Configuration.

Q	Date	Days	Hours	Lang.	Loc.	Hands-on
Q3	06/10-08/10	3	17	ESP	BIO	NO

Sign Up Here!


SAS
COMPONENTS
ARCHITECTURE
SERVICES
DIGITAL RELAYS
+ INFO
C61850 WITH SCU REDUNDANCY AND SINGLE RING
CENTRAL UNIT (HMI + GWY)
ROUTER
MAIN UNIT
BACKUP UNIT
SUBSTATION HMI
SWITCH 1
GPS CLOCK
SWITCH 3

ON-DEMAND

Custom training courses upon request

On-demand training is tailored to each customer's specific needs and is delivered upon request. The scope, agenda, location, and schedule are defined jointly with the customer, and sessions can take place at ZIV facilities, at the customer's site, or online when required.

Below are two examples of on-demand courses delivered in the past.

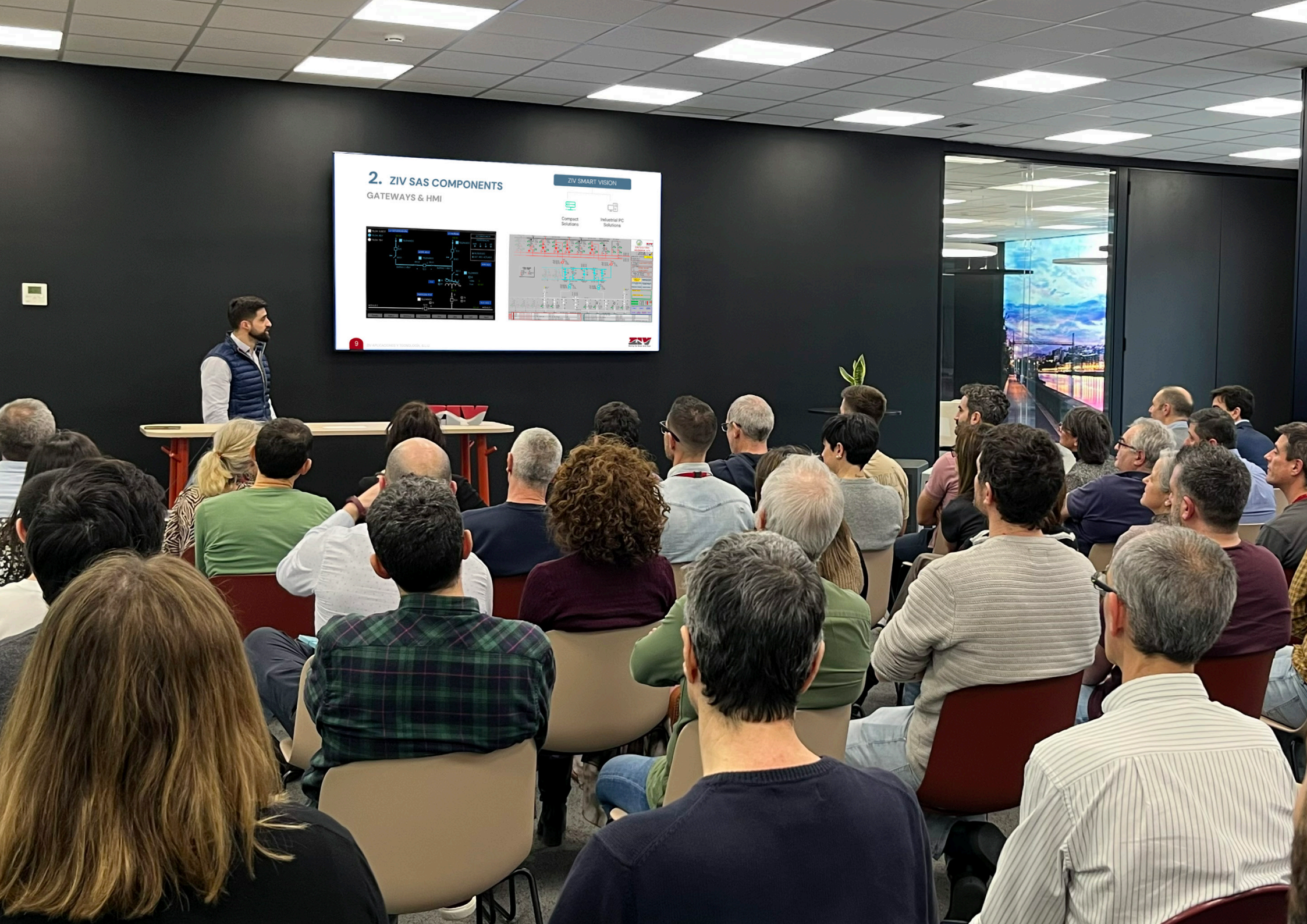
Training In Teleprotection Systems

- Teleprotection systems in electrical networks
- Teleprotection communication methods
- Teleprotection systems over MPLS
- Hands-on exercises with ZIV equipment to handle real-world scenarios

Smart Metering Deployment

- Equipment (meters, base nodes, concentrators) & protocols
- Tools: ZIVerQ, ZIV AMI MANAGER, STG Simulator + Web Server Concentrator
- Laboratory pilot commissioning (practical): setup preparation and operation.

Please **contact our sales team** to define the scope, format, and schedule that best meet your needs.


2. ZIV SAS COMPONENTS
GATEWAYS & HMI
ZIV SMART VISION
Compact Solutions
Industrial PC Solutions
9

WEBINARS

Free 30-minutes sessions with live Q&A

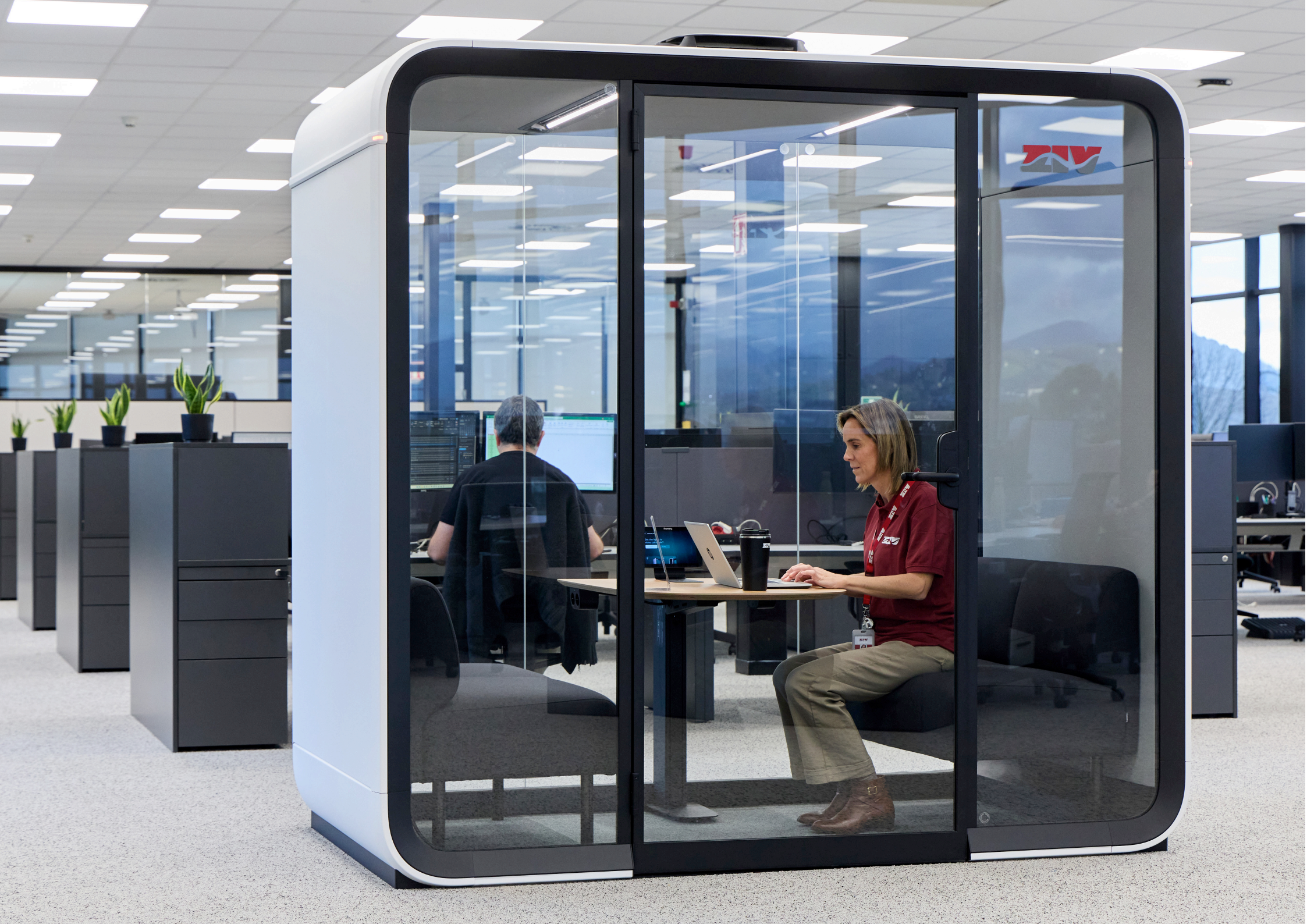
NAME	Q	Date	Time
Teleprotection Systems	Q2	30/04	12:00-12:30
Transmission Line Protection	Q2	28/05	
Revamping: Why and How. Retrofit Solutions	Q2	25/06	
Smart Meters Communications	Q3	23/09	
DTC: Concentrador Dual PRIME 1.3.	Q4	29/10	
CRA: Implementation of the European Metering Directive (EC Annex)	Q4	25/11	
SCADA and Substation Control: Integration, Protocols and Architecture	Q4	26/11	

The next page provides further details on the content of each webinar, outlining the key topics covered. Each webinar is designed as a concise knowledge session, offering an introduction to specific topics that are addressed in greater depth within the corresponding **PLANNED** and **ON-DEMAND** courses.

ON-DEMAND

PLANED

[Sign Up Here!]



INTERACTIVE SESSIONS DESIGNED FOR QUESTIONS AND DISCUSSION

Teleprotection Systems

- Evolution of communications
- MPLS networks
- Teleprotection over MPLS
- Action of a teleprotection system

Smart Meters Communications

- Point-to-Point Technology
- Multipoint Technology
- Most Widely used Technologies

Transmission Line Protection

- Distance and line differential protection
- Comparison between both (advantages and applications)
- Cases with and without communications
- Post-fault analysis

Second Deployment of Meters

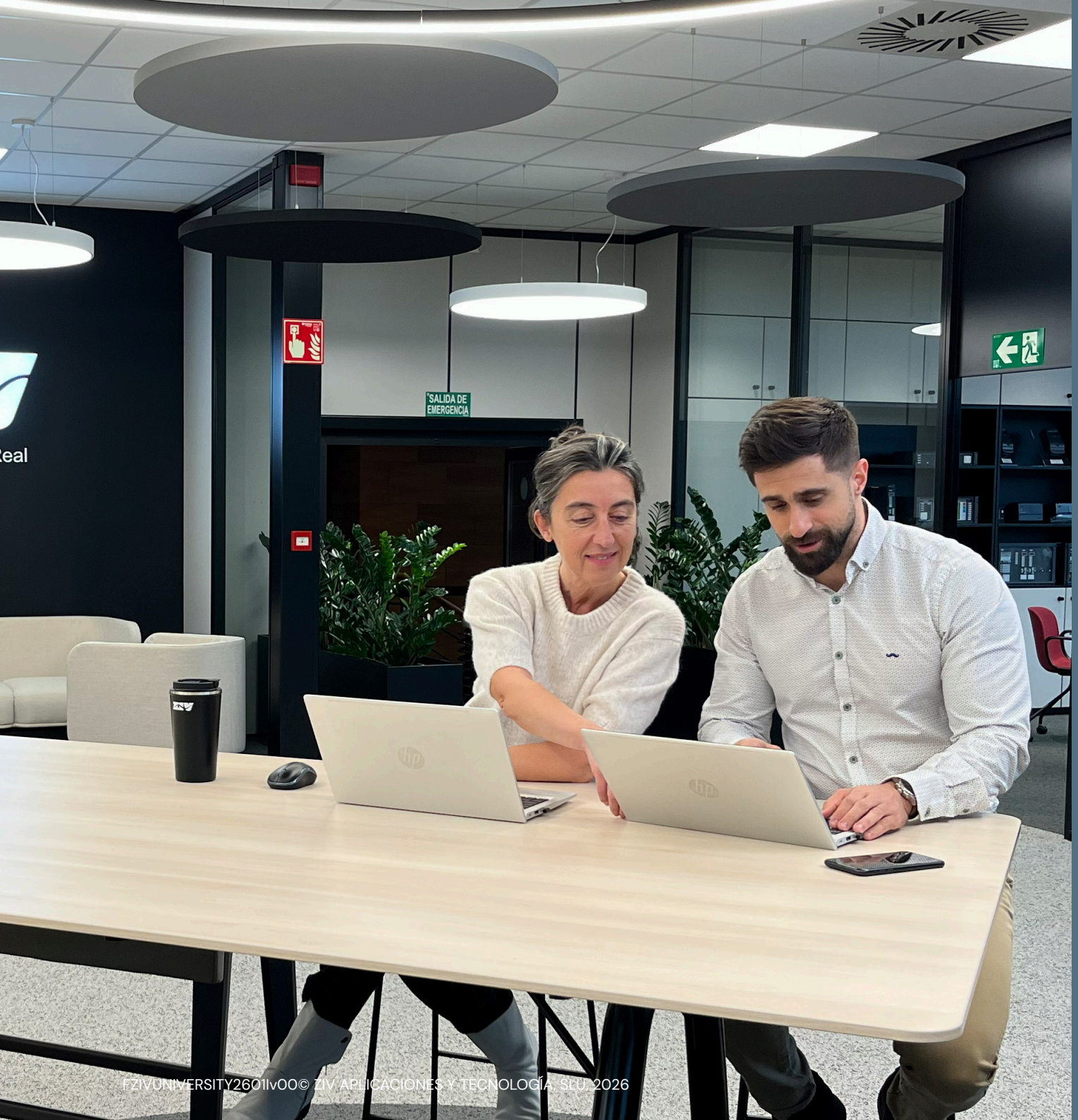
- Knowledge acquired
- Iberia: PRIME 1.4 cases
- Greece: Meters with LTE communications and integrated Wireless M-BUS.

Revamping: Why and How. Retrofit Solutions

- Revamping with minimal investment and service interruption
- Compatibility and warranty
- Case studies.

SCADA, Substation Control and Supervision

- How it integrates with relays ZIV and other manufactures
- Protocols with IEDs, Control Centers, other SCADAs
- Typical equipment and architectures
- HMI walkthrough, Navigation through the HMI



For more information, please consult our website:
www.zivautomation.com