



# Trainings 2026



# Welcome to the VIVAVIS ACADEMY

Dear customers

## **The training center will become the VIVAVIS ACADEMY!**

Our trainings are not only for our customers; we also strive to equip our own employees with sound knowledge. Higher standards and specialization, a modernized learning culture, and a focus on practical application are criteria that we want to combine and further develop in our new **VIVAVIS ACADEMY**.

### **New layout!**

Some of you may have already noticed the visual changes VIVAVIS has undergone in our anniversary year of 2025. With our **new brand identity** – more modern, clearer, fresher – we are underscoring our vision for the coming years. From now on, you will experience VIVAVIS in a new color palette, with a new visual language and a tone that reflects who we are: **digital, sustainable, and customer-centric**.

As a user, you can expect an even more tailored and effective learning experience in the new brochure. We are now also structuring our Automation courses into coordinated modules: **basic knowledge** and **advanced**. This ensures that the content is optimally aligned with your prior knowledge and requirements, allowing you to acquire the specific skills you need for your daily work.

Enjoy browsing our new brochure. We look forward to a new training year with you!

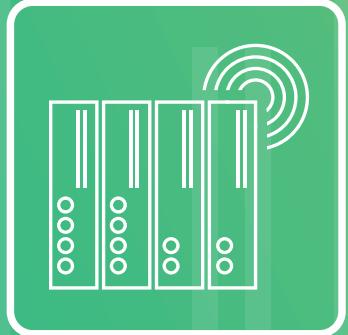
With very best regards from Ettlingen



Bettina Baumann with the entire **VIVAVIS ACADEMY** team

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# AUTOMATION AND REMOTE CONTROL TECHNOLOGY

## ACOS 7 series automation and remote terminal units

### – Basic knowledge –



#### Target group

This course is designed for beginners with no prior knowledge of remote control and automation technology. It is ideal for new employees, career changers, or anyone working with VIVAVIS remote control systems for the first time. Participants will receive a clear introduction to the technical fundamentals and operation of remote control technology.



#### Requirement

No prior knowledge



#### Modules

- Tasks and application areas of remote control technology
- Initial device parameterization with ACOS ET
- Collection and processing of process information
- Device diagnostics using the Website
- PLC functions



#### Appointment

On request



#### Fee

On request  
(3 training days)



#### Speaker

Kai-Uwe Pieper



#### Venues

Ettlingen, Bochum and Berlin

## ACOS 7 series automation and remote terminal units

### – Advanced –



#### Target group

Participants who have already completed the basic knowledge course or have comparable basic knowledge in remote control and automation technology can deepen their skills in this training. It is suitable for users who want to use more complex functions of the systems safely.



#### Requirement

ACOS 7 series automation and remote terminal units  
– Basic knowledge –



#### Modules

- Device diagnostics with the IEC tester and RSU
- Parameterization of different message types
- Communication and certificate management
- PLC programming with CODESYS®V3
- Introduction to projects and communication according to NIS2



#### Appointment

On request



#### Fee

On request  
(2 training days)



#### Speaker

Kai-Uwe Pieper



#### Venues

Ettlingen

## Device and Patch management



#### Target group

The course is aimed at system administrators who are responsible for remote terminal units and their software maintenance. A key issue is patch and device management via a centralized update server.



#### Requirement

ACOS 7 series automation and remote terminal units  
– Basic knowledge –



#### Modules

- Central user management
- Inventory of ACOS 7 devices
- Patch management
  - Firmware version management
  - Scheduling of firmware updates



#### Appointment

On request



#### Fee

On request  
(1 training day)



#### Speaker

Kai-Uwe Pieper



#### Venues

Ettlingen

## Simplified engineering IEC 61850



### Target group

Users and system administrators who want to learn about communication structures and the mapping of hardware, system and logical objects of the ACOS 7 series remote terminal units to IEC 61850 data attributes.



### Requirement

ACOS 7 series automation and remote terminal units  
– Basic knowledge –



### Modules

- Introduction to IEC 61850
- ACOS 750 as a server/client for integration into IEC 61850 networks
- Working with ICD or CID files
- Working with the SCD project file
- Mapping of information objects
- Editing data records, creating additional data records
- Goose communication
- Activate reporting



### Appointment

On request



### Fee

On request  
(2 training days)



### Speaker

Kai-Uwe Pieper



### Venues

Ettlingen

## PLC programming with CODESYS® V3



### Target group

Participants who wish to learn about the functionality and scope of the integrated PLC CODESYS® V3.



### Requirement

ACOS 7 series automation and remote terminal units  
– Basic knowledge –



### Modules

- Parameterization of the remote terminal units of the ACOS 7 series for PLCs with ACOS ET
- Creation of PLC programs according to IEC 61131-3
- Data exchange between the PLC, control system and remote terminal units



### Appointment

On request



### Fee

On request  
(3 training days)



### Speaker

Kai-Uwe Pieper



### Venues

Ettlingen

## ACOS 300 protection devices



### Target group

Users of the ACOS 300 series of protective devices



### Requirement

No prior knowledge



### Modules

- Hardware setup and assembly
- Parameterization via the local display and the integrated web server
- Parameterization and configuration via the engineering tool
- Parameterization and configuration of the communication interfaces
- Configuration of control logic via IEC 61131-3 (Functional Diagram)
- Display Configuration
- Practical exercises



### Appointment

On request



### Fee

On request  
(2 training days)



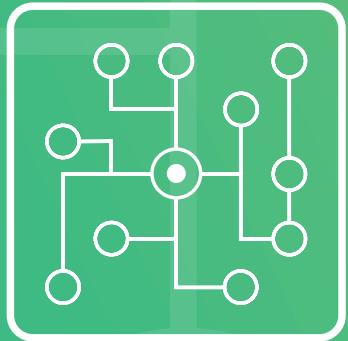
### Speaker

Klaus Fletschinger, Dipl.-Ing. (FH)



### Venues

Ettlingen



# CONTROL TECHNOLOGY

## Parameterization HIGH-LEIT NT



### Target group

Administrators/system administrators who want to perform the initial or subsequent parameterization in HIGH-LEIT NT.



### Requirement

No prior knowledge



### Modules

- Fundamentals of operation and parameterization of HIGH-LEIT NT
- Structuring the data model
- Development and application of the HIGH-LEIT generation list
- Archiving, archive graphics and logging
- Concept and structure of the alerting system



### Appointment

On request



### Fee

On request  
(4 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Image generation HIGH-LEIT NT



### Target group

Administrators/system administrators who want to create image concepts, structures and elements in HIGH-LEIT NT.



### Requirement

Parameterization HIGH-LEIT NT



### Modules

- Introduction to the structure of fixed, sample and geo-based network images
- Structuring of image layers
- Working with process visualization elements
- Display of operating functions



### Appointment

On request



### Fee

On request  
(4 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## HIGH-LEIT NT topology – electrical networks



### Target group

Administrators/system administrators who want to use topological network coloring for the power network control center in HIGH-LEIT NT.



### Requirement

Parameterization HIGH-LEIT NT



### Modules

- Generation of fully graphical system diagrams for electricity distribution
- Parameterization of earth fault and short circuit detection
- Standardized switching sequences, color schemes, tracing



### Appointment

On request



### Fee

On request  
(3 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Network operating functions HIGH-LEIT NT in practice



### Target group

Administrators/system administrators who want to use the network analysis functions in their control system in HIGH-LEIT NT.



### Requirement

Parameterization HIGH-LEIT NT



### Modules

- Equipment and network data modeling for network calculation functions
- Strategies and variants of network visualization
- Determining the fault location in the case of earth faults or short circuits
- Fundamentals of network calculation with HIGH-LEIT NT
- Load flow calculation in practice, with application examples for the most important parameters and control variables
- Load matching in distribution networks for substitute value calculation of unmetered local network substations
- Modeling of renewable energy grid feed-ins
- Application examples for short-circuit current calculation



### Appointment

On request



### Fee

On request  
(2 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Parameterization with HIGH-LEIT Engineering Suite



### Target group

Administrators/system administrators of HIGH-LEIT who want to parameterize the basic functions independently of the engineering tool.



### Requirement

Basic knowledge of control technology



### Modules

- Basics of operating and parameterizing HIGH-LEIT
- Archiving, archive graphics and logging
- Alarm and event list
- Concept and structure of the alarm system



### Appointment

On request



### Fee

On request  
(2 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Object engineering and typing with HIGH-LEIT Engineering Suite



### Target group

Administrators/system administrators of HIGH-LEIT Engineering Suite who want to use the new engineering tool to parameterize and create their own types and templates.



### Requirement

Basic knowledge of control technology



### Modules

- Fundamentals of operating and parameterizing HIGH-LEIT Engineering Suite
- Generation of full-graphical plant diagrams for the electricity/gas/water/district heating sectors
- Creating and using templates in object engineering
- Creating types, presets and visualization types
- Activating engineering data in the runtime system
- Working with process visualization elements



### Appointment

On request



### Fee

On request  
(4 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Network calculation with HIGH-LEIT Engineering Suite



### Target group

Administrators/system administrators of HIGH-LEIT NT who want to use the topological network coloring and network calculation for the power network control center in the HIGH-LEIT Engineering Suite.



### Requirement

Object engineering and typing with HIGH-LEIT Engineering Suite



### Modules

- Fundamentals of operating and parameterizing the topology and network calculation in HIGH-LEIT Engineering Suite
- Generation of plant diagrams for electricity distribution
- Parameterization of earth fault and short circuit detection
- Standardized switching sequences, color-coding variants, tracing
- Fundamentals and updates of load flow calculation



### Appointment

On request



### Fee

On request  
(2 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Parameterization and image generation HIGH-LEIT XW



### Target group

Administrators/system administrators who want to perform initial or subsequent parameterization in HIGH-LEIT XW and create image concepts, structures and elements.



### Requirement

No prior knowledge



### Modules

- Generation and structuring of the basic data model
- Creating plant images with ProBild
- Developing image concepts and text hierarchies
- Applying object-oriented generation and pattern image technique
- Evaluation of archive data using event lists, graphics and logs
- Defining users and access rights
- Concept and structure of the alerting system
- Generation of topological network elements



### Appointment

On request



### Fee

On request  
(5 training days)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## ISMS supplier audit for customers and partners



### Target group

Information Security Officer



### Requirement

No prior knowledge



### Module

- Central guidelines and specifications of the ISMS according to ISO27001
- Handling of information security incidents, Business Continuity
- Building tour through server rooms and relevant jobs
- Operational and communication security
- Security in development
- Security in customer projects



### Appointment

On request



### Fee

On request  
(1 training day)



### Speaker

Harald Herrmann  
Peter Schwark, Dipl.-Inform. (FH)/Ing. (FH)



### Venues

Ettlingen

## Workshop for HIGH-LEIT NT System administrators



### Target group

Administrators/system administrators of HIGH-LEIT NT who would like to gain administrative insights into the server and MMI.



### Requirement

Parameterization HIGH-LEIT NT



### Modules

- Fundamentals of the HIGH-LEIT NT system concept
- Components of the HIGH-LEIT NT software
- Operation and monitoring of the control system
- Diagnostics in case of faults (server and MMI)
- Data and system recovery



### Appointment

On request



### Fee

On request  
(1 training day)



### Speaker

Ulf Kudlocz, Dipl.-Ing. (FH)



### Venues

Ettlingen

## Operation of HIGH-LEIT NT in a Active Directory domain



### Target group

Administrators/System Administrators of HIGH-LEIT NT



### Requirement

No prior knowledge



### Modules

- Fundamentals of virtualization using Hyper-V as an example
- Fundamentals of Active Directory
- Use cases for domain controllers in HIGH-LEIT networks
- Interaction with HIGH-LEIT NT
- Function and configuration of Group Policy Objects (GPOs)
- System hardening
- Domain administration



### Appointment

On request



### Fee

On request  
(2 training days)



### Speaker

Olaf Janke, Dipl.-Ing.  
Systema Datentechnik GmbH



### Venues

Ettlingen

## IT security workshop in the control technology for the network sector



### Target group

Administrators/System Administrators of HIGH-LEIT NT



### Requirement

Basic knowledge of control technology as well as in the IT security



### Modules

- Secure network and system design
- System hardening using a Windows Active Directory
- Patch management
- Availability through system monitoring
- Functionality of anomaly detection within a control center



### Appointment

On request



### Fee

On request  
(1 training day)



### Speaker

Tobias Jahnke



### Venues

Ettlingen



# METERING AND LOW-VOLTAGE NETWORK MANAGEMENT

## IDSpecto.ADMIN



### Target group

Users from the areas of meter management, network administration, and energy data acquisition and distribution who work with IDSpecto.ADMIN.



### Requirement

No prior knowledge



### Modules

- Overview: IDSpecto.ADMIN and its modules
- System handling with desktop and menu navigation
- Object structures and data content
- Users and user groups
- Dynamic relationship groups
- Event and time control
- Measurement field management and configuration
- Data acquisition jobs
- Remote reading job management
- Creating and assigning devices (meters, modems and converters)
- Creating raw data filters for customer-specific needs requirements
- Monitoring and transmission analysis



### Appointment

On request



### Fee

On request  
(3 training days)



### Speaker

Marko Reinert | Sven Hennrichs



### Venue

Koblenz

## Skalar.pro



### Target group

Users of the metering department who are responsible for the planning, preparation and equipping of metering points and the associated technical possibilities.



### Requirement

Knowledge of how to use IDSpecto.Admin



### Modules

- Overview of the Skalar product family
- Basic functions of Skalar.pro
- Connection and commissioning
- Configuration via the browser
  - Configuration options for administrators and technicians
- Insight into value-added applications

**NOTE: You are welcome to bring your own Skalar.pro**



### Appointment

On request



### Fee

On request  
(1 training day)



### Speaker

Alexey Burmisov



### Venue

Koblenz

## CLS-Operator



### Target group

Users of the metering department or network expansion who are entrusted with the planning, preparation and equipping of metering points and the associated technical possibilities. The focus is on practical content related to the application of the IDSpecto.CLS operator.



### Requirement

No prior knowledge



### Modules

- Introduction to the Technical Guideline
- Fundamentals of PKI and Certificates
- Market Processes and Responsibilities
- System Structure and Architecture
- Operation of the CLS Operator
- Switching (Schedules, Ad-hoc, EEBUS)
- Update and Configuration
- Monitoring



### Appointments

On request



### Fee

On request  
(1,5 training days)



### Speaker

Alexey Burmisov | Benjamin Drude



### Venue

Koblenz

## Practical workshop: Working successfully with SGOP in network operations



### Target group

Users of the SGOP



### Requirement

No prior knowledge



### Modules

- Fundamentals and operation of Smart Grid Operation Platform (SGOP)
- Real-time monitoring and fault analysis
- Data integration and visualization
- Automation and process optimization



### Appointments

On request



### Fee

On request  
(2 training days)



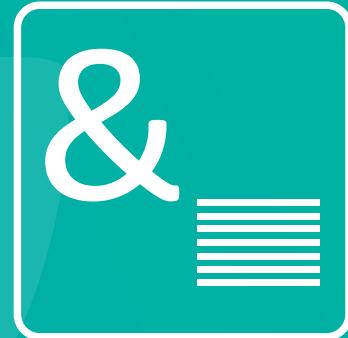
### Speaker

Various SGOP experts



### Venue

Ettlingen/Baden-Dättwil



# FURTHER TRAINING TOPICS

Dear training participants,

here you will find further training topics that we would be happy to offer you upon request. We would also be pleased to provide you with offers for project-specific trainings tailored to your specific topic requirements, which can be conducted at your location or in Ettlingen specifically for you.

## NIS2 NEW!



### Target group

In our online training, we show in a compact and practical way why you already meet 80–90% of the NIS2 requirements with ISO 27001 – and which building blocks need to be specifically added.



### Requirement

No prior knowledge



### Modules

- Documentation of management responsibility
- Clear reporting processes with deadlines
- Binding implementation of MFA
- Reliable evidence in the supply chain
- Audit-proof documentation



### Fee

On request  
(0,5 training day)



### Speaker

Harald Herrmann



### Venue

Online

## Feed-in management HIGH-LEIT



### Requirement

No prior knowledge



### Modules

- Administration
- Control system configuration
- Implementation of measures
- Load shedding



### Fee

On request  
(1 training day)

## IDSpecto.scadalink



### Fee

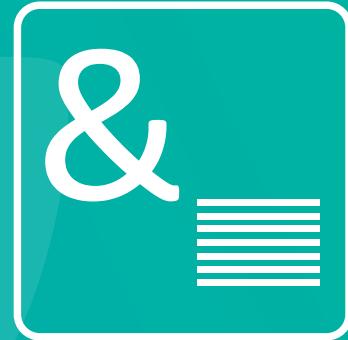
On request  
(2 training days)

## IDSpecto.ADMIN for professionals



### Fee

On request  
(2 training days)



# GENERAL INFORMATION

To make your hotel search easier, we have compiled this list for you. We have negotiated special rates with these hotels for 2026, which you can only take advantage of if you book through us. Payment will be made directly by the hotel. Please return this completed form to us with your training registration.



## Ettlingen

### Hotel Erbprinz \*\*\*\*\*

Rheinstraße 1, 76275 Ettlingen,  
www.erbprinz.de

**Overnight stay excluding breakfast:** **€ 118.00**  
 **Breakfast per person:** **€ 17.50**

Traditional family hotel in the old town of Ettlingen.  
Wellness area with swimming pool.  
Distance to VIVAVIS approx. 3 km.

### Hotel Watthalden \*\*\*

Pforzheimer Straße 67 A, 76275 Ettlingen,  
www.villa-watthalden.de

**Overnight stay including breakfast:** **€ 106.00**

Modern hotel on the outskirts of Ettlingen in a quiet location.  
Distance to VIVAVIS approx. 4 km.

### Ibis Styles Ettlingen \*\*

Karlsruher Straße 13-15, 76275 Ettlingen,  
www.ibis.com

**Overnight stay including breakfast:** **€ 100.00**

The hotel is located at the entrance to Ettlingen.  
Distance to VIVAVIS approx. 2.5 km.  
The hotel does not send invoices! Payment is due upon arrival!

### Hey Lou Karlsruhe Messe

Nell-Breuning-Ring 23, 76287 Rheinstetten  
www.heylouhotels.com

**Overnight stay including breakfast:** **€ 96.00**  
(outside of trade fair periods)

The hotel is located near the Karlsruhe Trade Fair Center.  
Travel time to VIVAVIS approx. 12 min.  
Bookable directly via booking code: LCI0711VIV



## Koblenz

### Top Hotel Krämer \*\*\*

Kardinal-Krementz-Straße 12, 56073 Koblenz,  
www.tophotel-k.de

**Overnight stay including breakfast:** **from € 93.50**  
(Comfort single room)

WiFi access, a bottle of mineral water and use of the Tassimo capsule machine in the room are included in the room price.  
Modern hotel in a central, easily accessible location.  
Distance to VIVAVIS approx. 6 km.



## Bochum

### art Hotel Tucholsky

Viktoriastraße 73, 44787 Bochum,  
info@art-hotel-tucholsky.de

**Overnight stay excluding breakfast:** **from € 95.00**  
 **Breakfast per person:** **€ 19.90**

Stylish hotel in the city center with tapas bar and restaurant. Free Wi-Fi, paid parking nearby.  
Only 400 m to the main train station.  
Distance to VIVAVIS: Travel time approx. 13 min.



## Berlin

### Premier Inn Berlin Airport \*\*\*

Alexander-Meißner-Straße 2, 12526 Berlin

Our double rooms are equipped with a super comfortable bed, private bathroom with shower and free Wi-Fi, offering everything you need for a restful sleep.

The hotel is located near Berlin Brandenburg Airport in Schönefeld.

**Note:** Bookings can be made directly via  
<https://www.premierinn.com/de/de/home.html>

Please make a reservation. \_\_\_\_\_ Single room of \_\_\_\_\_ until \_\_\_\_\_ in the hotel marked above.

Name | Company | Email \_\_\_\_\_

Date | Signature \_\_\_\_\_

## academy@vivavis.com

Registration for the training	<hr/>
at	<hr/>
Fee	<hr/>
<b>Participant</b>	<hr/>
First and Last Name	<hr/>
Position	<hr/>
First and Last Name	<hr/>
Position	<hr/>
First and Last Name	<hr/>
Position	<hr/>
Please make a reservation according to the enclosed completed hotel list.	
<b>Sender</b>	<hr/>
Name/First Name/Titel	<hr/>
Department/Function	<hr/>
Company	<hr/>
Street	<hr/>
ZIP/City	<hr/>
Telephone/Fax	<hr/>
Email	<hr/>

Please provide us with a different billing address if applicable.



### Venue

Training rooms of VIVAVIS AG:  
Nobelstraße 18, 76275 Ettlingen  
August-Thyssen-Straße 32, 56070 Koblenz  
Josef-Baumann-Straße 37, 44805 Bochum  
Parking available.



### Training schedule

one-week events:  
Starts Monday at 2:00 p.m., ends Friday at 12:00 p.m.  
Daily training duration 9:00 a.m. – 5:00 p.m.

One-day/multi-day events: Start 9:00 a.m., end 5:00 p.m.  
If trainings take place at different times, these times will be communicated to you with the registration confirmation



### Contact

For questions regarding our training courses, please contact Bettina Baumann:  
Phone 07243/2 18 - 700  
Email [bettina.baumann@vivavis.com](mailto:bettina.baumann@vivavis.com)



### Book online

Email: [academy@vivavis.com](mailto:academy@vivavis.com) or über [www.vivavis.com](http://www.vivavis.com)  
Places are limited and will be allocated on a first-come, first-served basis. We reserve the right to cancel trainings in a timely manner if there are insufficient participants.



### Fee

The training fees include training materials, lunch, coffee breaks, and conference beverages and are per person. They are subject to the applicable statutory value-added tax. You will receive an invoice after order confirmation. Please pay it within 14 days of receipt. In case of short-notice cancellation (no later than three weeks before the start of the training), the fee will only be refunded if the place can be filled.



### Hotel

We will gladly arrange hotel rooms for you. Please fill out the enclosed hotel list. You will settle the accommodation costs directly with the hotel.



### Note

CODESYS® is a registered trademark of CODESYS GmbH.

IRMA® is a registered trademark of VIDEK Data Engineering GmbH.

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