



## Bosch Building Technologies Academy Training Catalogue 2024

Dear customer,

We would like to welcome you to our Bosch Building Technologies Academy. Within this catalogue you will have access to an overview of the various training courses that we offer. That includes certification training of the following business domains:



Video  
Systems



Communication  
Systems



Fire Alarm  
Systems



Access Control  
and Intrusion  
Systems

This training catalogue is valid for 2024. The information provided is subject to potential changes, e.g., training may be cancelled in case there are not enough participants.

For further details, please refer to the terms & conditions at our Bosch Building Technologies Academy, following this [link](#).

If you wish to contact us, please use the following e-mail address:  
[boschsecurity.training@bosch.com](mailto:boschsecurity.training@bosch.com)

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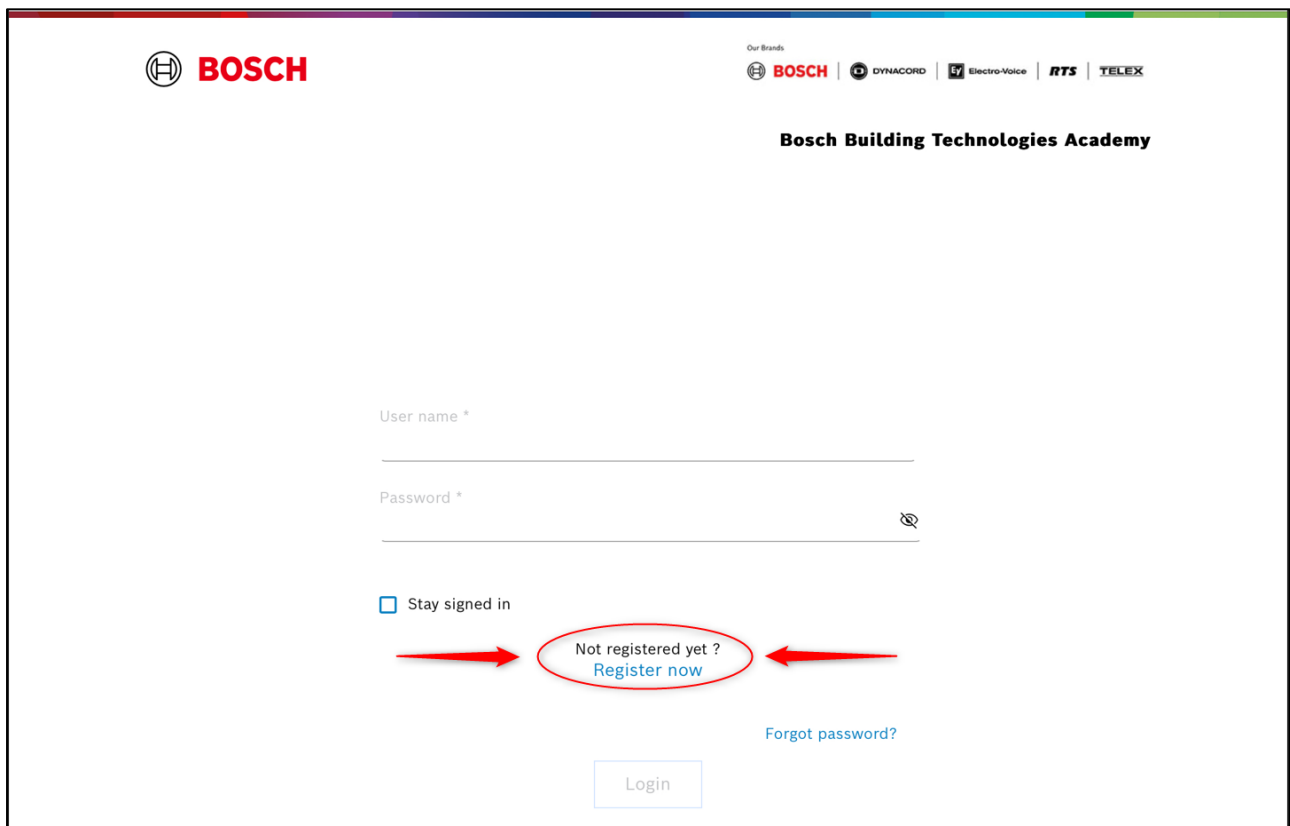
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## Starting at Bosch Building Technologies Academy

As a first step, you need to register in the Bosch Building Technologies Academy. You can do that by clicking [here](#).

Whenever possible, please register with your business e-mail address and your company address.



 **BOSCH**

Our Brands  **BOSCH**  **DYNACORD**  **Electro-Voice**  **RTS**  **TELEX**

**Bosch Building Technologies Academy**

User name \*

Password \*

☐ Stay signed in

Not registered yet ?  
[Register now](#)

[Forgot password?](#)

Login



Please notice that it may take around 30 minutes until all the content to be available after you create your account.

## Types of training and classes



### Online training courses

Online training is available 24/7 at your fingertips. You start whenever you like, follow your own pace, pause when necessary and continue where you left off.

### Virtual classes

These classes are online, conducted by an experienced trainer and allow real-time interaction between students and trainer.



### In-person classes

These types of classes are in person and conducted by an experienced trainer. These classes are usually set at one of our Bosch facilities.

### Training Plans

A set of courses grouped together to provide you with a more complete knowledge about a given subject. Most of our courses are organized in training plans.



## Certifications and Recertifications

### Certifications

These are training plans leading to an official Bosch certificate. In general, we distinguish between commercial and technical certification at expert and master level:



#### COMMERCIAL CERTIFICATION



**Expert** level - Includes several training modules in order to obtain knowledge about product portfolio for sales prospects highlighting the key benefits.



**Master** level - Builds upon the expert level by providing a deeper understanding of product portfolio to sell the values of our solutions. In case of Intrusion and Video Systems, it also includes system design.



#### TECHNICAL CERTIFICATION



**Expert** level - Includes courses to acquire essential knowledge for the basic configuration. In case of Communication Systems and Fire Solutions it also includes system design.



**Master** level - Builds upon the expert level by providing a deeper knowledge for advanced configurations of the corresponding system and troubleshooting.

We are looking forward to soon having you **Certified** at our Bosch Buildings Technology Academy!

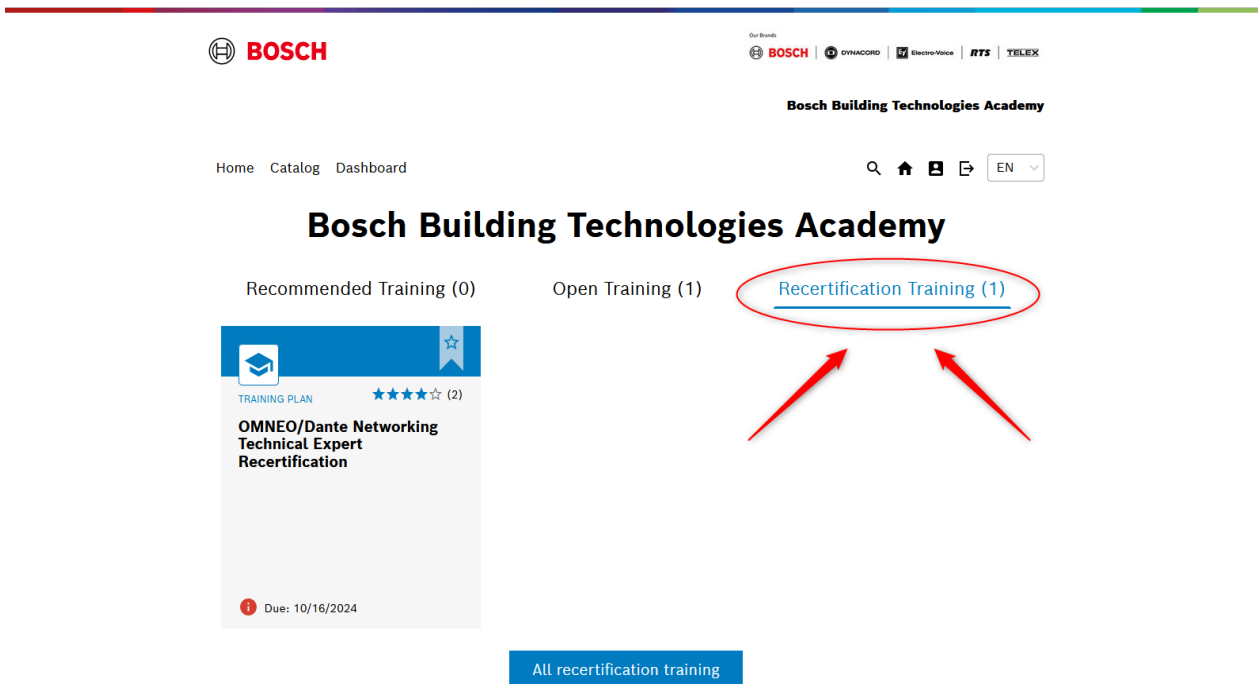


Take into consideration that you cannot start a higher level without completing first the lower ones.

## Recertifications

Since we are always seeking to improve our products and services, it is important to keep you up to date. Therefore, our certification expires after two years. Three months before expiration date, you obtain access to a recertification training which provides you all the information needed to stay updated. You have one year to do the recertification, fully online.

You will find the recertification training here:



The screenshot shows the Bosch Building Technologies Academy website. At the top, there is a navigation bar with the Bosch logo and other brand logos (DYNACORD, Electro-Voice, RTS, TELEX). Below the navigation bar, the main heading is "Bosch Building Technologies Academy". Underneath, there are two tabs: "Recommended Training (0)" and "Open Training (1)". The "Open Training (1)" tab is selected, and it shows a link labeled "Recertification Training (1)" which is circled in red. Two red arrows point from this link down to a blue button labeled "All recertification training". On the left side of the page, there is a card for "OMNEO/Dante Networking Technical Expert Recertification" with a star rating of 4.5 and a due date of 10/16/2024.



## Types of Documents

We mainly have two types of documents:

You receive a **Certificate** only when you complete all the courses and exams of **Expert** or **Master** certification level.



Multibrand certificate (Dynacord, Electro-Voice, RTS, TELEX):



You receive a **Confirmation of Completion** after completing in some cases an online training or after attending an in-person or virtual classroom training.



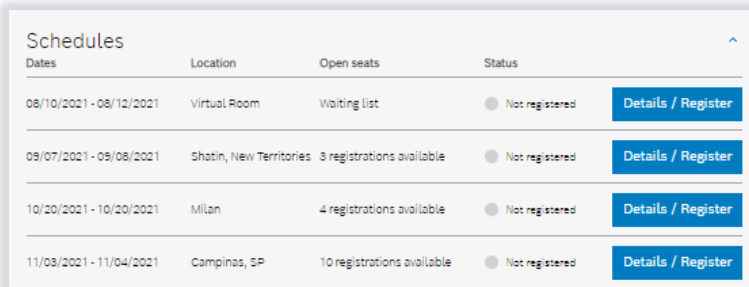
**Multibrand confirmation of completion (Dynacord, Electro-Voice, RTS, TELEX):**



## Booking Information

### How to book an in-person or virtual class:

1. Select the class you wish to register.



Dates	Location	Open seats	Status	
08/10/2021 - 08/12/2021	Virtual Room	Waiting list	Not registered	<a href="#">Details / Register</a>
09/07/2021 - 09/08/2021	Shatin, New Territories	3 registrations available	Not registered	<a href="#">Details / Register</a>
10/20/2021 - 10/20/2021	Milan	4 registrations available	Not registered	<a href="#">Details / Register</a>
11/03/2021 - 11/04/2021	Campinas, SP	10 registrations available	Not registered	<a href="#">Details / Register</a>

2. Confirm the information and proceed with the registration.



**G Series/B Series Expert Certification (Classroom)**

**Class details**

**Overview**

Course: AllSTAR panel series training - Expert  
 Code: FULFUF\_2007\_A/EV/SB  
 Class title: Classroom / 08/10/2021  
 Location: Virtual Room  
 Price: 600 EUR / person  
 Open seats: Waiting list  
 Registration period: 01/01/2021 - 08/08/2021  
 Status: Not registered

**Schedules**

Dates	Location	Trainer
08/10/2021 08:00 AM - 11:00 AM	Virtual Room Virtual Room F18 Virtual Room Virtual Room	Ronald Munier
08/11/2021 08:00 AM - 11:00 AM	Virtual Room Virtual Room F18 Virtual Room Virtual Room	Ronald Munier
08/12/2021 08:00 AM - 11:00 AM	Virtual Room Virtual Room F18 Virtual Room Virtual Room	Ronald Munier

[Register](#)

3. Get in touch with the sales contact of your country to make the payment.



Please be aware that, usually, there are mandatory online training courses as prerequisites to be able to attend the in-person and/or virtual classes. This will help you to fully focus on the more complex content attending classroom training and you will not lose time dealing with basic information. Thus, these prerequisite online training modules are important elements of our blended learning concept, which means the combination of online and classroom training.

The prices for in-person and virtual training published at our Online Academy are based on the full course. All prices exclude VAT.



## VIDEO SYSTEMS

Our AI-enabled video systems support users in understanding their environment more deeply so they can respond proactively to situations, which minimizes risks and potential damages – ultimately giving them the ability to know what's next. We call this the Power to Predict, and it serves as our guiding principle.

## Learning Path - Camera Certification



### Technical Certification

In this technical certification you will learn about our configuration tools, how to configure our cameras, how to use and configure our Analytics and how to secure your camera.



#### Content

- **Camera Configuration:** tools, initial camera configuration and advanced camera configuration
- **Video Analytics:** types of Analytics and their applications, calibration, and rule configuration
- **Data Security:** the Bosch principles, initial configuration, and use of certificates



#### Online training



#### Classroom training



#### Issues certificate



#### Target groups

- System Engineers, Administrators and Installers

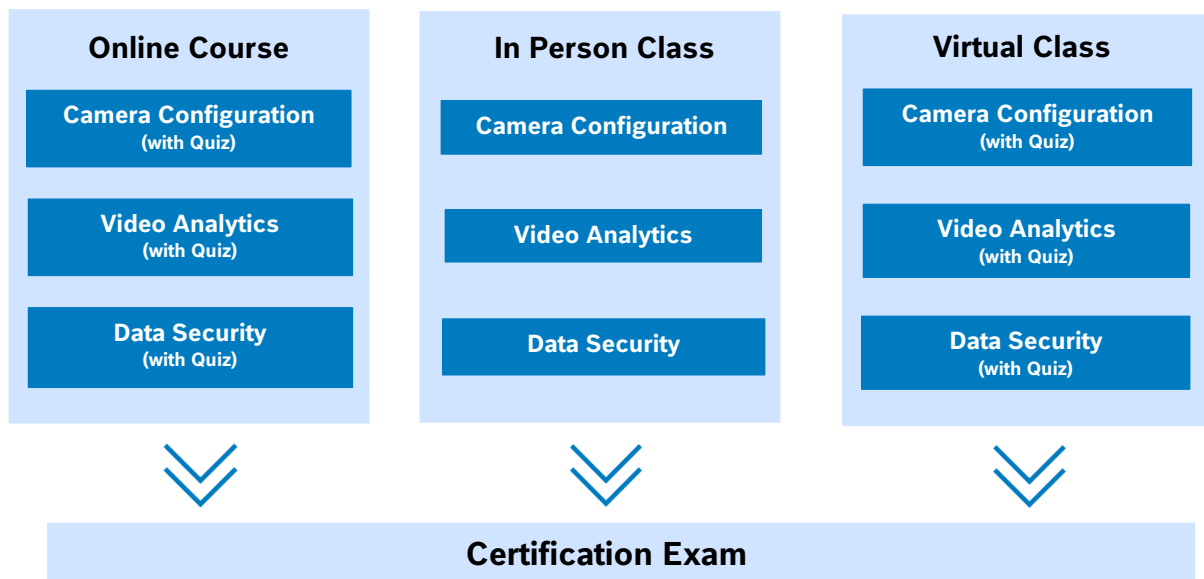


#### Duration

- Online: 9 hours
- Classroom: 3 days (online pre-requisites needed)



In order to be certified, you need to complete one of the three learning paths (an **Online Course**, an **In Person Class** or a **Virtual Class**) and the **Certification Exam**.



## Learning Path - DIVAR IP Certification



### Technical Certification

In this technical certification you will learn about our different DIVAR IP All-In-One appliances, in which application to use them and how to configure them for small and medium size installations.



#### Content

- Type of hardware available
- Licensing
- Basic configuration via wizard
- Advanced configuration via BVMS configuration client



#### Online training



#### Classroom training



#### Issues certificate



#### Target groups

- System Engineers, Administrators and Installers



#### Duration

- Online: 3 hours
- Classroom: 1 day



In order to be certified, you need to complete the **In Person Class** or the **Virtual Class**, and the **Certification Exam**.

#### Online Course

Training with build in exam

#### In Person Class

1 day class

#### Virtual Class

1 day class



#### Certification Exam

## Learning Path - BVMS Certification



### Technical Certification

In this technical certification you will learn about our BVMS systems. Based on hands-on exercises you will learn how to configure all the options of our software for your applications.



#### Content

- BVMS technical overview and main components (MS, VRM, Operator and Configuration Client)
- Installation, time synchronization of system components and license activation
- Configuration Client: Overview, initial device configuration (cameras, monitor walls and other devices)
- Configuration Client: Logical Tree, schedules, streams and configuration of recording
- Configuration Client: Events and alarm handling, user groups and permissions
- Video Recording Manager (VRM) fundamentals and detailed configuration
- Usage and troubleshooting of the Operator Client features
- Short introduction to system design (overview only)
- Maintenance and troubleshooting: Recording monitoring, system backup, configuration collector



#### Classroom training



#### Issues certificate



#### Target groups

- System Engineers, Administrators and Installers



#### Duration

- Classroom: 3 days (online pre-requisites needed)



In order to be certified, you need to complete the **In Person Class** or the **Virtual Class**, and the **Certification Exam**.

#### In Person Class

3 days class

#### Virtual Class

3 days class



#### Certification Exam

## Learning Path - Camera



### Commercial Training

In this commercial training you will learn about our different range of cameras, tools and applications. Their different USP's and the type of application you can fulfill with them.



#### Content

- Fixed cameras
- Moving cameras
- Video Analytics
- Data Security
- Tools
- Software



#### Online training



#### Target groups

- Project managers, sales support engineers, system architects



#### Duration

- 2 hours





## Learning Path - BVMS Sales & Design



### Commercial Training

In this commercial training you will learn about the USP's of our BVMS software, the different applications and how to design a system with the necessary redundancy.



#### Content

- BVMS Essentials modules
- BVMS resilience concept
- Video Recording manager
- Bosch iSCSI storage options
- BVMS blueprints and deployment scenarios
- BVMS system design
- BVMS Storage calculation
- Certification exam



#### Online training



#### Target groups

- Project managers, sales support engineers, system architects



#### Duration

- 6 hours





# COMMUNICATION SYSTEMS

Part of the Bosch Group, the Bosch Communication Systems family of brands offers the world's most complete portfolio of professional audio and communication solutions.

## Learning Path - OMNEO / Dante Networking



### Technical Certification

This training plan consists of all modules required for your OMNEO / Dante Networking Technical Expert Level Certification, including an Introduction training.



#### Introduction

- IP Basics & Terminology
- OMNEO Overview and Positioning
- Online Exam

#### **Target groups:**

- Customers, End Users, Systems Engineers and Consultants


#### **Duration:**

- 2 hours



#### Expert level

- IP Setup & Technology
- OMNEO Tools
- Online Exam

 Issues certificate

#### **Prerequisites:**

- OMNEO / Dante Networking – Introduction Training

#### **Target groups:**

- Install Partners, Sales Engineers & System Technicians

#### **Duration:**

- 2 hours



## Learning Path - Dynacord Install Electronics



### Technical Certification

This training plan consists of all modules required for your Dynacord Install Electronics. Technical Expert Level Certification, including an Introduction training.



#### Introduction

- MXE Matrix Engines – Product Training
- C&IPX Series Amplifiers Product Training
- Online Exam



#### Target groups:

- Customers, End Users Systems Engineers and Consultants



#### Duration:

- 1 hour



#### Expert level

- MXE Matrix Engines System Training
- C & IPX Series Amplifiers System Training
- SONICUE - Introduction
- Online Exam



Issues certificate



#### Target groups:

- Install Partners, Sales Engineers & System Technicians



#### Prerequisites:

- Dynacord Install Electronics– Introduction Training



#### Duration:

- 3 hours



## Learning Path - Retail Partner



### Technical Certification

This training plan consists of all modules required for your Dynacord & Electro-Voice Retail Partner Expert and Master Level Certifications, including an Introduction training.

#### Introduction

- Acoustics Basics
- Portable Speakers Portfolio Overview
- EVOLVE Introduction
- L Series Amplifiers Product Training
- Online Exam



#### Target groups:

- Retail Partners
- Sales managers with commercial & marketing focus



#### Duration:

- 3 hours



#### Expert level

- Portable & Column Speakers How to Demo Guides
- L Series Amplifiers System Design
- Online Exam



Issues certificate



#### Learning prerequisites:

- Retail Partner Training – Introduction Training



#### Target groups:

- Retail Partners
- Sales managers with commercial & marketing focus



#### Duration:

- 4 hours



#### Master level\*

- Dynacord & Electro-Voice LOUD+CLEAR Academy



Issues certificate



#### Learning prerequisites:

Retail Partner Training – Expert Level



#### Target groups:

- Retail Partners
- Sales managers with commercial & marketing focus



#### Duration:

- 2 days

(\*) This training level is available in Europe only



## Learning Path - Live Sound Partner



### Technical Certification

This training plan consists of all modules required for your Dynacord & Electro-Voice Live Sound Partner Technical Expert Level Certification, including an Introduction training.



#### Introduction

- SONICUE Introduction
- Live Sound Product Training (Speakers, L & TGX Amps & MXE5 Matrix)
- Online Exam



#### Target groups:

- Live Sound Partners
- Sound engineers & system technicians



#### Duration:

- 2 hours



#### Expert level

- SONICUE Panel Designer, MXE5 & TPC-1
- EASE Focus 3 Software
- Live Sound System Design (L & TGX Amps & MXE5 Matrix)
- Online Exam



Issues certificate



#### Learning prerequisites:

- Live Sound Partner Training – Introduction Training



#### Target groups:

- Live Sound Partners
- Sound engineers & system technicians



#### Duration:

- 3,5 hours



## Learning Path – Install Sound Partner



### Technical Certification

This training plan consists of all modules required for your Dynacord Install Sound Partner Technical Expert and Master Level Certifications, including an Introduction training.



#### Introduction

- SONICUE Introduction
- Product Training (Speakers, C & IPX Amps & MXE5 Matrix)
- Online Exam



#### Target groups:

- Install Partners
- Sales engineers & system technicians



#### Duration:

- 2 hours

#### Expert level

- SONICUE Panel Designer, MXE5 & TPC-1
- Install Sound System Design (C & IPX Amps & MXE5 Matrix)
- Online Exam



Issues certificate



#### Learning prerequisites:

- Install Partner Training – Introduction Training



#### Target groups:

- Install Partners
- Sales engineers & system technicians



#### Duration:

- 3 hours

#### Master level

- SONICUE Software Workshop
- Install Sound System Design Workshop
- Online Exam



Issues certificate



#### Learning prerequisites:

- Install Partner Training – Expert Level



#### Target groups:

- Install Partners
- Sales engineers & system technicians



#### Duration:

- 1,5 days



## Learning Path – Acoustics Basics



### Technical Certification

This training plan consists of all modules required for your Acoustics Basics Introduction training.

#### Introduction

- System Acoustic basics
- System Acoustic signal chain
- System Room Acoustic
- Online Exam



#### Target groups:

- Customers, End Users Systems Engineers and Consultants



#### Duration:

- 2 hours





## Learning Path – PRAESENSA




### Technical Certification

This training plan consists of all modules required for your PRAESENSA Technical Expert and Master Level Certifications, including an Introduction training.



#### Expert level

- OMNEO Tools
- IP Setup & Technology
- PRAESENSA System Design Fundamentals
- Online Exam

 Issues certificate

#### Learning prerequisites:

PRAESENSA – Introduction Training

#### Target groups:

- Systems Integrators, Distributors, Installers, Specifiers, Consultants, Sales and Marketing & End Users

#### Duration:


- 3 hours



#### Master level

- Classroom Training
- Online Exam

 Issues certificate

 **Learning prerequisites:**  
PRAESENSA – Expert Level

#### Target groups:

- Systems Integrators, Distributors, Installers and Consultants

#### Duration:

- 3 days



#### Introduction

- OMNEO Overview and Positioning
- PRAESENSA System Introduction
- PRAESENSA Updates: Software Release v1.4
- Online Exam

#### Target groups:

- Systems Integrators, Distributors, Installers, Specifiers, Consultants, Sales and Marketing & End Users

#### Duration:

- 3 hours



## Learning Path – PAVIRO



### Technical Certification

This training plan consists of all modules required for your PAVIRO Technical Expert and Master Level Certifications, including an Introduction training.



#### Introduction

- System Introduction & Hardware Components
- Loudspeakers Line Supervision and Topologies Introduction
- Networked Systems Introduction
- Online Exam



#### Target groups:

- EVAC Partners
- Sales and marketing staff of customers, consultants, specifiers



#### Duration:

- 4,5 hours



#### Expert level

- System Design Training Project Examples
- Network Basics
- Networked Systems Design Examples
- Demo System Setup and Configuration Wizard SW Overview
- Online Exam



Issues certificate



#### Learning prerequisites:

- PAVIRO – Introduction Training



#### Target groups:

- EVAC Partners
- Consultants, System Designers



#### Duration:

- 3,5 hours



#### Master level

- IRIS-Net Software Introduction
- Master Classroom Training
- Online Exam



Issues certificate



#### Learning prerequisites:

- PAVIRO Expert Level



#### Target groups:

- EVAC Partners
- Installers



#### Duration:

- 3 days



## Learning Path – PRAESIDEO



### Technical Certification

This training plan consists of all modules required for your PRAESIDEO Technical Master Level Certification, including an Introduction training.

**\*On-demand Classroom Training**



#### Introduction

- System Introduction, Architecture & Priorities
- System Characteristics, Functions, PC Connections and Security
- Software 4.nn
- Online Exam



#### Learning prerequisites:

- Basic knowledge of electronics, acoustics and public address systems.
- Optional: PA Basics Online Training



#### Target groups:

- Systems Integrators, Distributors, Installers, Specifiers, Consultants, Sales and Marketing & End Users



#### Duration:

- 2 hours



#### Master level

- Master Classroom Training
- Online Exam



Issues certificate



#### Learning prerequisites:

- PRAESENSA – Introduction Training



#### Target groups:

- Systems Integrators, Distributors, Installers, and Consultants



#### Duration:

- 4 days



## Learning Path – PLENA MATRIX



### Technical Training

This Web-Based Training contains an introduction to the PLENA Matrix system and its hardware components as well as the loudspeaker, topologies and networking functions. A Confirmation of Completion document will be available upon successful conclusion of this online training and exam.

#### Introduction level

- System Introduction & HW Installation
- Matrix Mixer PC Graphical User Interface
- Amplifier Graphical User Interface
- Online Exam

#### **Target groups:**

- EVAC Partners
- Sales and marketing staff of customers

#### **Duration:**

- 2,5 hours



## Learning Path – Promatrix 9000\*



### Technical Certification

This training plan consists of all modules required for your Promatrix 9000 Technical Expert and Master Level Certifications, including an Introduction training.

\*Only available in Germany



#### Introduction

- IP Basics & Terminology
- OMNEO Overview and Positioning
- Promatrix 9000 System Introduction
- Promatrix 9000 Updates : Software Release v1.4
- Online Exam

#### Target groups:


- EVAC-Partners, Systems Integrators, Installers, Specifiers, Consultants, Sales and Marketing & End Users

#### Duration:

- 3 hours

#### Expert level

- IP Setup & Terminology
- OMNEO Tools
- Promatrix 9000 System Design
- Online Exam

 Issues certificate

#### Learning prerequisites:

- Promatrix 9000 Introduction Level

#### Target groups:

- EVAC-Partners, Systems Integrators, Installers, Specifiers, Consultants, Sales and Marketing

#### Duration:

- 3,5 hours

#### Master level

- Master Classroom Training
- Online Exam

 Issues certificate

#### Learning prerequisites:

- Promatrix 9000 Expert Level

#### Target groups:

- EVAC Partners
- Systems Integrators, Distributors, Installers and Consultants

#### Duration:

- 3 days



## Learning Path - Promatrix 6000\*



### Technical Certification

This training plan consists of all modules required for your Promatrix 9000 Technical Expert and Master Level Certifications, including an Introduction training.

\*Only available in Germany

#### Introduction

- System Introduction & Hardware Components
- Loudspeakers Line Supervision and Topologies Introduction
- Networked Systems Introduction
- Online Exam



#### Target groups:

- EVAC Partners
- Sales and marketing staff of customers, consultants, specifiers



#### Duration:

- 5 hours

#### Expert level

- System Design Training Project Examples
- Network Basics
- Demo System Setup and Configuration Wizard SW Overview
- Online Exam



Issues certificate



#### Learning prerequisites:

- Promatrix 6000 Introduction Level



#### Target groups:

- EVAC Partners
- Consultants, System Designers



#### Duration:

- 3,5 hours



#### Master level

- IRIS-Net Software Introduction
- Master Classroom Training
- Online Exam



Issues certificate



#### Learning prerequisites:

- Promatrix 6000 Expert Level



#### Target groups:

- EVAC Partners
- Systems Integrators, Distributors, Installers and Consultants



#### Duration:

- 3 days



## Learning Path - Promatrix 8000\*



### Technical Certification

This training plan consists of all modules required for your Promatrix 8000. Technical Expert and Master Level Certifications, including an Introduction training.

\*Only available in Germany

\*On-demand Classroom Training



#### Introduction

- Promatrix 8000 Hardware overview and knowledge check
- Network Basics WBT (Optional)
- Audio Network Basics WBT
- Online Exam



#### Target groups:

- EVAC Partners
- Sales and marketing staff of customers, consultants, specifiers



#### Duration:

- 1,5 hours



#### Master level

- IRIS-Net Software Introduction
- Master Classroom Training
- Online Exam



Issues certificate



#### Learning prerequisites:

- Promatrix 8000 Introduction Training
- Own laptop with admin rights and latest IRIS-Net version to be brought along to the training.



#### Target groups:

- EVAC Partners
- Installers



#### Duration:

- 2,5 days



## Learning Path - DICENTIS Conference System



### Technical Certification

This training plan consists of all modules required for your DICENTIS Technical Expert and Master Level Certifications, including an Introduction training.



#### Introduction

- IP Basics & Terminology + OMNEO Overview and Positioning
- DICENTIS System Introduction
- DICENTIS Flush Range
- Online Exam

#### Target groups:

- Systems Integrators, Distributors, Installers, Specifiers, Consultants, Sales and Marketing & End Users.



#### Duration:

- 4 hours

#### Expert level

- IP Setup & Technology + OMNEO Tools
- DICENTIS System Design Fundamentals
- Online Exam



Issues certificate



#### Learning prerequisites:

- Bosch DICENTIS Conference System – Introduction (online training)



#### Target groups:

- Systems Integrators, Distributors, Installers, Specifiers, Consultants, Sales and Marketing



#### Duration:

- 4 hours

#### Master level

- Master Classroom Training
- Advanced System Design (Optional – 1 Extra day)
- Online Exam



Issues certificate



#### Learning prerequisites:

- Bosch DICENTIS Conference System – Expert Level (online training)



#### Target groups:

- Systems Integrators, Distributors, Installers and Consultants



#### Duration:

- 3 days





## Learning Path - DCN-NG Conference System



### Technical Certification

This classroom training brings an immersive and unique opportunity to master the Bosch DCN-NG Conference System, including hands-on experience on all hardware & software offerings for the complete programming and operation of the system. A Master Level Certificate will be available upon successfully completing this classroom training and online exam.

\*On-demand Classroom Training



#### Master level

- Stand Alone Single and Multi CCU2 (wired & wireless)
- Single PC & Multi PC Control + Camera Control
- Language Distribution System
- Online Exam

 Issues certificate

#### Target groups:

- Systems Integrators, Distributors, Installers and Consultants



#### Duration:

- 5 days



## Learning Path – RTS Intercom – Full Range Training



### Technical Certification

This training plan consists of all modules required for your RTS Technical Master Level Certification, including an Introduction training.



#### Introduction

- Intercom Basics + RTS Intercom Portfolio + AZEDIT SW Basics
- ODIN – OMNEO Digital Intercom Training + ROAMEO Training
- OMS, DBP and DSPK4 Introductions



#### Target groups:

- Broadcast & Theatre audio engineers + Intercom users



#### Duration:

- 2 hours



#### Master level

- RTS Full Range Classroom Training - Master
- Commercial Sales Training (optional)
- Online Exam



Issues certificate



#### Learning prerequisites:

- RTS Intercom – Introduction Training



#### Target groups:

- Sales engineers & systems



#### Duration:

- 2 days



## Learning Path – TELEX Radio Dispatch



### Technical Certification

This training plan consists of all modules required for your RTS Technical Master Level Certification, including an Introduction training.



#### Master level

- Telex Dispatch Classroom Training
- Telex Dispatch Practical Exam



Issues certificate



#### Learning prerequisites:

- IP Networking basics (WBT)



#### Target groups:

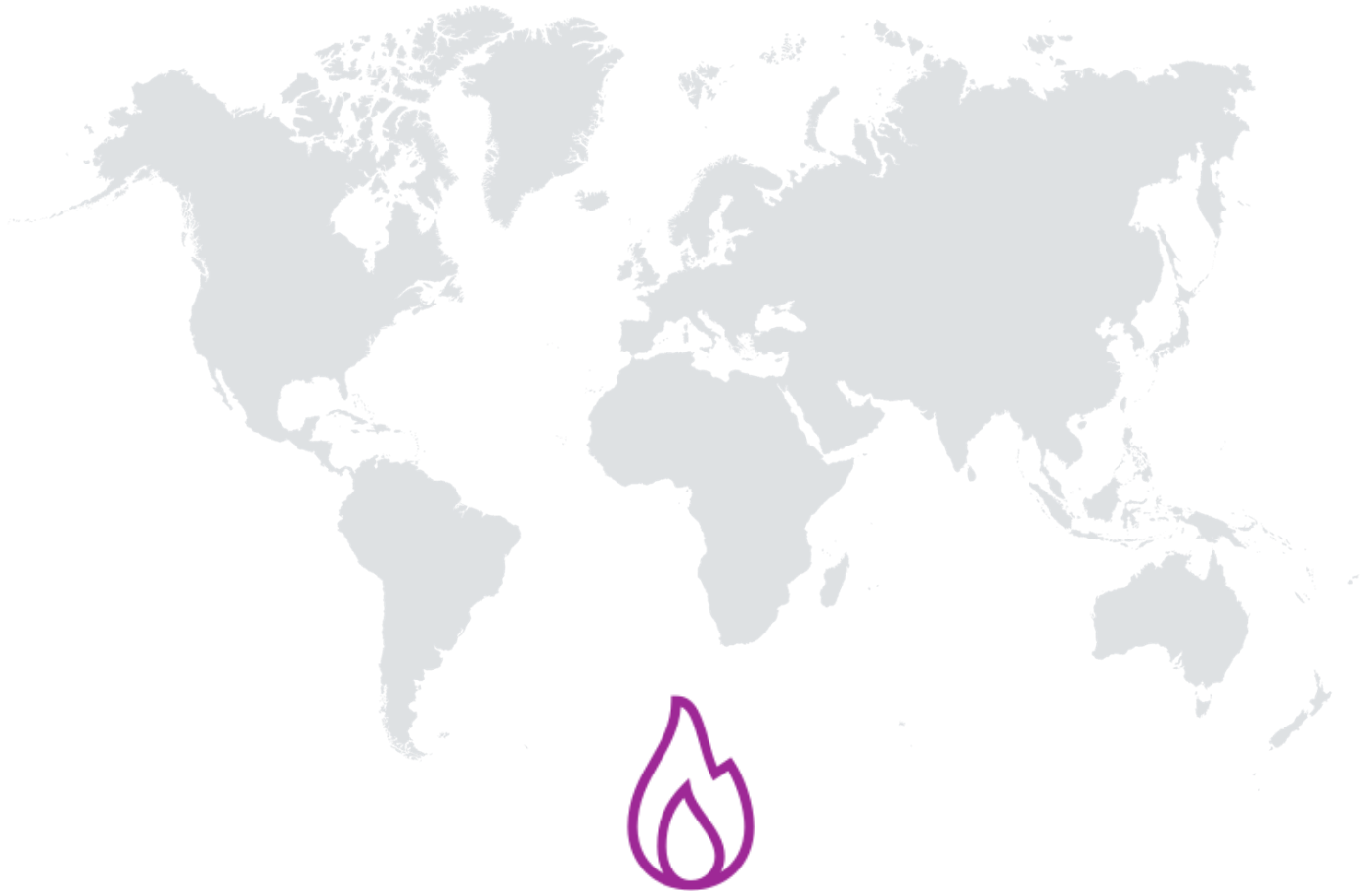
- Sales engineers & systems technicians



#### Duration:

- 3 days





# FIRE ALARM SYSTEMS

Keeping people safe is our priority. In order to protect lives and property, it is vital to quickly locate, detect, verify, and contain fires. Our fire detection systems stand for reliability, innovation, flexibility, and the pioneering use of artificial intelligence worldwide.

# Learning path - AVENAR panel series Technical Certification



## Technical Certification

In the **Expert** level, the online modules will give you an overview about the basic components of the AVENAR panel series, different technologies and applications for Bosch Fire Detectors and different types of manual call points and how to use the Bosch Safety Systems Designer in your daily work. Important: they are the prerequisites to attend the classroom/virtual training.

In the classroom/virtual training you will learn about basic programming and diagnostics procedures for the AVENAR panel series. In **Master** level, you will learn about networking capabilities of the AVENAR panel series.



### Expert level

#### Level content:

- Recap Modular Concept
- Redundancy
- Recap LSNi Basics
- LSN Advanced
- LSNi Test Tool
- Dos and Don'ts Installation
- Maintenance
- Programming with RPS
- Troubleshooting
- Simple Networking
- Hands-on session



Online training



Classroom training



Issues certificate



#### Prerequisites

- AVENAR panel series - Module 1: Components and Functionalities
- Exam for AVENAR panel series - Module 1
- AVENAR panel series - Module 2: Panel Controller, LSNi and Programming
- Exam for AVENAR panel series - Module 2
- Safety Systems Designer: Get started
- Peripherals Module 1: Detectors and Manual Call Points



#### Target groups:

- Technical staff of installers and system integrators



#### Duration:

- Online: 2h55m
- Classroom: 2 days



### Master level

#### Level content:

- Complex networks (CAN, IP, OPC)
- Connection to FSM
- Smart Safety Link (Integration to Praesideo, Paviro)
- RPS Programming advanced: application of rules over AVENAR panel network
- Hands-on sessions



Online training



Classroom training



Issues certificate



#### Prerequisites:

- AVENAR Panel Series Exam - Expert



#### Target groups:

- Experienced electrical design engineers



#### Duration:

- 2 days



## Learning Path - AVENAR panel series: What's new – for certified FPA-5000 users



### Technical Certification

This training plan gives an overview of the new features and characteristics of the AVENAR panel Series compared to the FPA-5000 fire alarm panel.

It contains an **online training** and an **online exam** about the new AVENAR panel series.

Upon passing, you will receive the AVENAR panel series Technical Certificate on the level **Expert**.



#### Expert level

Level content:

- This training plan gives an overview of the new features and characteristics of the AVENAR panel series compared to the FPA-5000 fire alarm panel.
- It contains an online training and on online exam about the new AVENAR panel series.
- Upon passing, you will receive the AVENAR panel series Technical Certificate on the level Expert.



Online training



Issues certificate



#### Prerequisites:

FPA-5000 Expert training certificate from the Bosch Building Technologies Academy.

If you do not have an updated certificate, please contact your local Bosch sales office.

Or e-mail us at [TrainingFire.ST@de.bosch.com](mailto:TrainingFire.ST@de.bosch.com) to learn how to obtain an updated certificate.



#### Target groups:

- System Integrators



#### Duration:

- 30 minutes



## Additional online trainings

You can find more comprehensive tutorials and online trainings under the category Fire Alarm Systems in the Bosch Building Technologies Academy on topics like:

- Video based fire detection
  1. We have multiple content available on our fire and smoke detection camera AVIOTEC 8000i IR;
  2. Learn, for example, about basic technology for video fire detection, integration into Bosch and third-party video management software and how to run a successful customer demonstration with AVIOTEC.

- Remote Services

You will understand:

1. the benefits of Remote Services;
2. how to use and administrate the Remote Portal in an efficient way;
3. how to navigate the Remote Fire Safety App.

- Safety Systems Designer

You can find several online modules on our planning software: introduction training, short video tutorials on common topic and features.



# ACCESS CONTROL AND INTRUSION

Bosch access control and intrusion alarm solutions enable you to keep your employees and your property safe and secure - in the best and most intelligent way. It is all about letting the right people in and keeping uninvited visitors out.



## Learning Path - G Series Technical Certification (US)



### Technical Certification

In this training plan, you will gain technical expertise in the hardware and software of the G Series and B Series systems. This training plan includes online modules, instructor-led training and an exam. This technical certification will prepare you for configuring an integrated G Series and B Series system on a job site.



#### Expert level

- Hardware and portfolio overview
- RPS Programming Basics
- Features
- New Features
- Points
- RF Devices
- Cellular for Intrusion Systems
- Output Configuration
- Keypads
- Automation
- Local Authorization
- IP Cameras
- Access Module
- Dual Authentication
- Installer Services Portal: Welcome to Bosch ISP
- Bosch Security Manager App
- Troubleshooting
- Knowledge Check
- G Series Expert Classroom training
- G Series Expert Certification Exam



Issues certificate



#### Target groups:

- Installers, Programmers, Sales Engineers, System Integrators



#### Duration:

- (Virtual) Classroom: 2 days
- Online content: 4 hours



## Learning Path - G Series Technical Certification (Canada)




### Technical Certification

In this training plan, you will gain technical expertise in the hardware and software of the G Series and B Series systems. This training plan includes online modules, instructor-led training and an exam. This technical certification will prepare you for configuring an integrated G Series and B Series system on a job site.



#### Expert level

- Introduction to IP Networking for Intrusion
- G Series/B Series Installation
- RPS Programming
- Cellular for Canada
- Intrusion & IP Camera Integration
- G series/B Series Expert Certification (Classroom)
- G Series Expert Certification Exam

 Issues certificate

#### **Target groups:**

- Installers, Programmers, Service Technicians

#### **Duration:**

- (Virtual) Classroom: 2 days
- Online content: 3 hours



## Learning Path - G Series Technical Certification (EMEA)



### Technical Certification

In this training plan, you will gain technical expertise in the hardware and software of the G Series and B Series systems. This training plan includes online modules, instructor-led training and an exam. This technical certification will prepare you for configuring an integrated G Series and B Series system on a job site.



#### Expert level

- Introduction to IP Networking for Intrusion
- G Series/B Series Installation
- Bosch Installer Services Portal: Introduction
- G Series and B Series IP Camera Integration
- G Series/B Series Expert Certification (Classroom)
- G Series Certification Exam



Issues certificate



#### Target groups:

- Installers, Systems Programmers, Service Technicians



#### Duration:

- (Virtual) Classroom: 2 days
- Online content: 2,5 hours



## Learning Path - G Series/B Series Technical Certification (LA)



### Technical Certification

In this training plan, you will gain technical expertise in the hardware and software of the G Series and B Series systems. This training plan includes online modules, instructor-led training and an exam. This technical certification will prepare you for configuring an integrated G Series and B Series system on a job site.



#### Expert level

- Introduction to IP Networking for Intrusion
- G Series/B Series Installation
- Introduction to RPS Programming
- Intrusion & IP Camera Integration
- G Series/B Series Expert Certification (Classroom)
- G Series Certification Exam



Issues certificate



#### Target groups:

- Installers, Systems Programmers, Service Technicians



#### Duration:

- (Virtual) Classroom: 2 days
- Online content: 2,5 hours



## Learning Path - G Series/B Series Technical Certification (AP)



### Technical Certification

In this training plan, you will gain technical expertise in the hardware and software of the G Series and B Series systems. This training plan includes online modules, instructor-led training and an exam. This technical certification will prepare you for configuring an integrated G Series and B Series system on a job site.



#### Expert level

- Introduction to IP Networking for Intrusion
- G Series/B Series Installation
- RPS Programming
- Intrusion & IP Camera Integration
- G Series/B Series Expert Certification (Classroom)
- G Series Certification Exam



Issues certificate



#### Target groups:

- Installers, Systems Programmers, Service Technicians



#### Duration:

- (Virtual) Classroom: 2 days
- Online content: 2,5 hours



## Learning Path - Intrusion Commercial Certification (US)



### Commercial Certification

This certification geared towards sales professionals introduces the basic components of a Bosch Intrusion system. This training plan consists of online modules that detail features and benefits and enable you to identify Bosch intrusion solutions based on your customer's needs.



#### Expert level

- Intrusion Portfolio: Commercial Path - Expert
- Intrusion System Fundamentals
- Introduction to IP Networking for Intrusion
- Installer Services Portal: Welcome to Bosch ISP
- Bosch Security Manager App
- Detector Basics
- Bosch Motion Detectors
- Total Cost of Ownership
- Intrusion Commercial Expert
- Assessment



Issues certificate



#### Target groups:

- New Hire, Admin, Sales, Installer, Programmer



#### Duration:

- 3 hours



## Learning Path - Intrusion Commercial Certification (Canada)




### Commercial Certification

This certification geared towards sales professionals introduces the basic components of a Bosch Intrusion system. This training plan consists of online modules that detail features and benefits and enable you to identify Bosch intrusion solutions based on your customer's needs.




#### Expert level

- Intrusion System Fundamentals
- Intrusion: Commercial Certification
- System Integration & Features
- Intrusion: Commercial Certification Exam

 Issues certificate

#### Target groups:

- Installers, System Programmers, Service Technicians, Project Managers, Sales

 **Duration:**

- 1 hour



## Learning Path - Access Management System Technical Certification



### Technical Certification

In this training plan, you will gain technical expertise in Bosch Access Management System. This training plan includes online modules, instructor-led training and an exam. This technical certification will prepare you for configuring an integrated Bosch access control system on a job site.



#### Expert level

- Access Modular Controller (AMC) Module 1 - Overview
- Access Modular Controller (AMC) Module 2 - Power Supply
- Access Modular Controller (AMC) Module 3a - Weigand Controllers
- Access Modular Controller (AMC) Module 3b - Weigand Extension Board
- Access Modular Controller (AMC) Module 4 - RS485 Controller
- Access Modular Controller (AMC) Module 5 - Input/Output Extension Board
- Access Modular Controller (AMC) Overall Exam for all AMC Modules
- Access Control Readers and Credentials Exam
- Access Management System (AMS) Expert Level Training
- Access Management System Expert Certification Exam



Issues certificate



#### Target groups:

- Installers, Programmers, Sales Engineers, System Integrators



#### Duration:

- (Virtual) Classroom: 2 days
- Online content: 3 hours





## Learning Path - Access Management System Commercial Certification



### Commercial Certification

This training plan provides an overview of Bosch Access Management System and associated companion products. This certification is geared towards sales professionals and introduces the basic components of a Bosch access control system. This training plan consists of online modules that detail features and benefits and enable you to identify Bosch access control solutions based on your customer's needs.



#### Expert level

- Introduction to Bosch Access Control Systems
- Portfolio for Access Control
- Access Control Readers and Credentials
- Access Management System
- Visitor Management
- Mobile Access
- Access Commercial Expert
- Certification Exam



Issues certificate



#### Target groups:

- Sales, New Hires, Admins



#### Duration:

- 3 hours



## Learning Path – MAP5000 Technical Certification



### Technical Certification

This certification provides an in-depth instruction on the installation, programming, and operation of the Modular Alarm Platform 5000 (MAP5000) system. This training plan consists of instructor-led training and an exam.



#### Expert level

- MAP5000 Expert Certification classroom (F2F) or online course
- MAP5000 Expert Certification exam



Issues certificate



#### Target groups:

- Installers, System Designers, Technicians, and Commercial Professionals



#### Duration:

- 2 days



#### Master level

- MAP5000 Master Certification classroom (F2F) course
- MAP5000 Master Certification exam



Issues certificate



#### Target groups:

- Installers, System Designers, Technicians



#### Duration:

- 1 day



## Learning Path – MAP5000 Commercial Certification



### Commercial Certification

This training plan provides an overview of the Modular Alarm Platform 5000 (MAP5000) system. It reviews its capabilities, main components, and options available. This training plan consists of an online course.



#### Expert level

- MAP5000 Commercial Certification (Online)



Issues certificate



#### Target groups:

- Security System Installers, Programmers, System Architects, and Sales



#### Duration:

- 25 minutes



# Learning Path - Bosch Building Integration System (BIS) Technical Certification



## Technical Certification

This certification provides in-depth instruction on the installation, programming, and operation of Bosch Building Integration System (BIS). This training plan consists of online modules, instructor-led training and an exam. Upon completion of this certification, you will be able to work with a BIS system as administrator and carry out several customizations of the system in order to serve the majority of individual end-user requirements.



### Expert Level:

- IP Networking basics
- Access Modular Controller (AMC) Overall Exam for all AMC Modules
- Access Control Readers and Credentials
- Access Control Readers and Credentials Exam
- BIS Engines
- Door Models
- BIS Expert Training
- BIS Expert Level Exam



Issues certificate



#### Prerequisites:

- Access Control Systems - Commercial Online Trainings and Exams
- Certification training for Bosch FPA fire panel
- Certification training for Bosch MAP5000 or G-Series intrusion panel
- Expert Certification Training for Bosch VMS



#### Target groups:

- System Integrators who are charged to install, commission and maintain the BIS system



#### Duration:

- Online content: 4,3 hours
- (Virtual) Classroom: 5 days



### Master Level:

- Possible master-level modules you can select from:
- Remote SQL Server Connection (0.6 day);
- Praesideo/Praesenca Connection and PA Manager HTML page editing (ca. 0.8 day)
- Template jobs (0.3 day)
- Conettix Alarm receiver integration and testing with Intrusion panel (0.5 day)
- BIS Multi-server (multi-site) system (0.8 day)
- BIS Web Client (BWC) (0.1 day)
- Smart Client with AutoCAD Drawings to it and Action Plans (0.6 day)
- Configuring the hierarchical access control system (1 day)



Issues certificate



#### Prerequisites:

- Bosch Praesideo System Certification



#### Target groups:

- System Integrators who are charged to install, commission and maintain the BIS system



#### Duration:

- 1 day



## Learning Path – Mobile access technical training



### Confirmation of Completion

This training will cover all the steps needed to setup a working environment where Personnel and Visitors can have access to buildings and parkings based on credentials on their phones. Note that this is a face-to-face training that is only available by request.



#### Content

- Preparation for Visitor Management
- Installation of Visitor Management
- Test the Installation of Visitor Management
- Configure the VM Users and Rights
- Test the Users and Rights
- Install Mobile Access
- Create a Visit
- Approve the Visit
- The Visit happens



#### Target groups:

- Installers, Programmers, Sales Engineers, System Integrators



#### Duration:

- 4 hours



**We are looking forward to welcoming you at our Bosch Buildings Technology Academy. Well trained and competent engineers and installers will lead to shorter installation times, less configuration errors and – most importantly – fully satisfied customer.**

**You may contact us by email at [boschsecurity.training@bosch.com](mailto:boschsecurity.training@bosch.com)**