BOSCH

BOSCH DYNACORD Electro-Voice *RTS* TELEX

Bosch Building Technologies Academy
Training Catalogue 2023

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 across various business domains:

Video System	Communication Systems	Access Control and Intrusion	Fire Alarm System

This training catalogue is valid for 2023. 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:
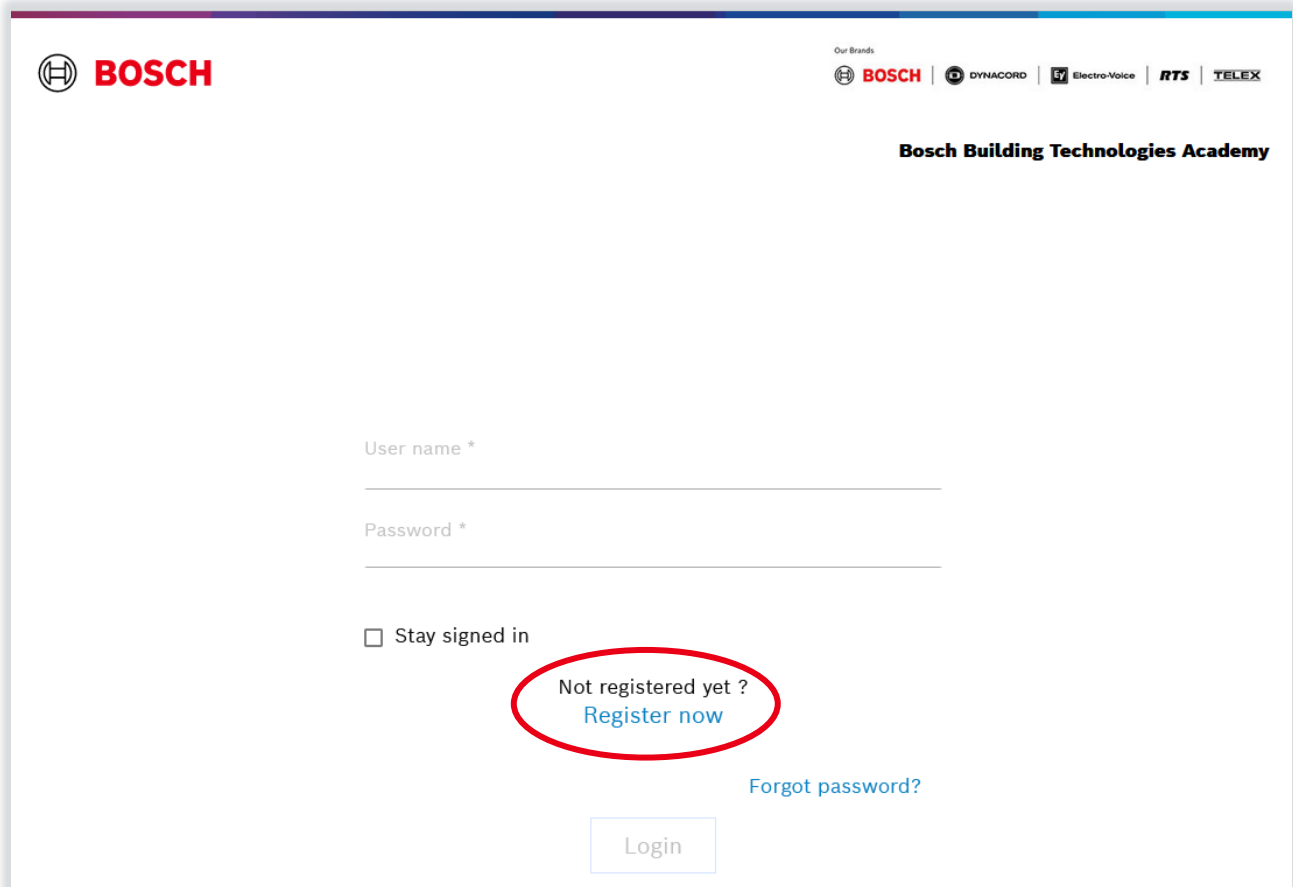boschsecurity.training@bosch.com

Contents

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 <u>here.</u>

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

Types of training and classes

Online training courses

Online training are 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!
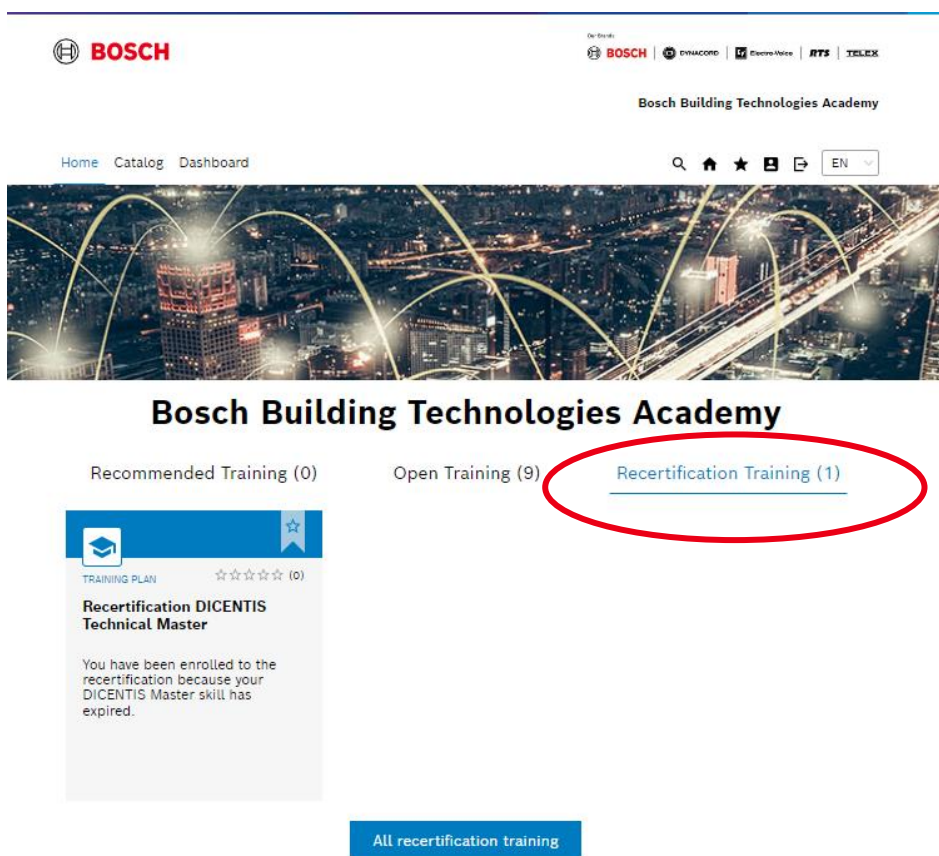
ⓘ Take into consideration that you cannot start a higher level without completing first the lower ones.

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:

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.

Dynacord certificate: Electro-Voice certificate: Dynacord&EV certificate:
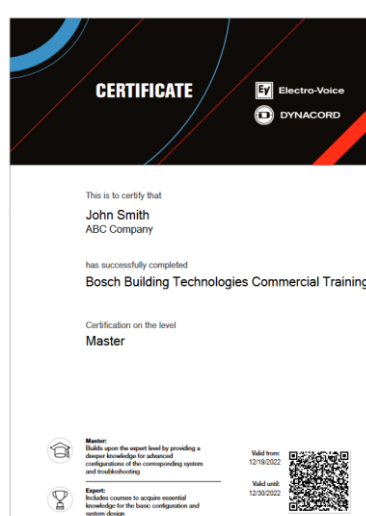
RTS Certificate:

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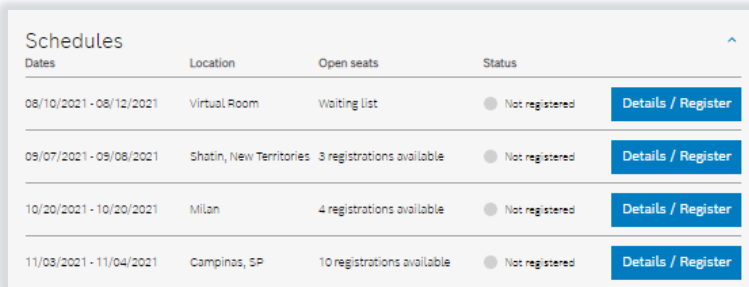
You receive a **Confirmation of Completion** after completing in some cases an online training or after attending an in-person or virtual classroom training.

Booking Information

How to book an in-person or virtual class:

1. Select the class you wish to register.

2. Confirm the information and proceed with the registration.

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

Imagine when you know what's next. You can respond before potential situations occur and predict new business opportunities. AIoT video systems from Bosch deliver the Power to Predict, are built on trust, and support sustainable business practices.

Learning Path - BOSCH Video Camera Technical Certification

Training Plan

Technical Certification

In this training we will explain how to choose the correct camera for your application and what needs to be taken in consideration in the design of your system.
We will then explain how to configure the camera (Single camera installation without use of a management software).

Expert level

- Online certification that explains the different configuration options of a Bosch camera
- Issues certificate

Target groups:

- Technicians
- Installers

Duration:

- 3 hours

Learning Path - BVMS Technical Certification

Technical Certification

Expert Training   Master Training

In the Expert level training, you will learn how to install, configure, and operate BVMS with the configuration client and the operation client.

In the Master lever training, you will learn how to install advanced features of BVMS and how to maintain and troubleshoot existing systems.

Expert level

- Understand the fundamentals of Video Recording Manager and configure the main functions of it
- Configure the system on the main configuration areas: Devices, Maps and Structure, Schedules, Cameras and Recording, Events, Alarms, User groups
- Perform essential operations and maintenance tasks

Issues certificate

Target groups:

- Technicians
- Installers

Duration:

- (Virtual) Classroom: 3 days
- Online pre-requisite: 3 hours

Master level

- VRM troubleshooting
- Perform advanced troubleshooting and maintenance tasks
- Encryption and certificates
- SNMP

Issues certificate

Target groups:

- Technicians
- Installers

Duration:

- 3 days

Learning Path - BOSCH DIVAR IP AIO Technical Certification Training

Training Plan

Technical Certification

In this training we will explain how to choose the correct DIVAR IP for your application and what needs to be taken into consideration in the design of your system. We will then explain how to configure our DIVAR IP AIO for small size installations.

Expert level

- Online certification that explains the different configuration options of a Bosch DIVAR IP AIO unit

Issues certificate

Target groups:

- Technician
- Installers

Duration:

- 3 hours

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Learning Path - BOSCH Video Analytics Technical Certification Training

Training Plan

Technical Certification

Master level

- Learn which types of analytics do fit your project and how to configure your system.

Issues certificate

🎯 **Target groups:**

- Technician
- Installers

📋 **Prerequisites:**

- Video Analytics basics (Expert)

⏳ **Duration:**

- (Virtual) Classroom: 2 days
- Prerequisites: 2 hours

Learning Path - Cyber Security Technical Certification Training

Technical Certification

This course introduces students to several aspects cyber security and how they pertain to IP Video systems today. Students will learn to analyze possible threats as well as how to lock down and reduce the attack surface of their IP video system.

Master level

Nexpose and NMAP Labs
- Wireshark and validation testing
- Hashing and Encryption Lab
- IP Camera Hardening Procedures
- Storage Harding and Lock Down Procedures
- Working with Certificates

Issues certificate

Target groups:
- Technician
- Installers

Prerequisites:
- Cyber Security basics (Expert)

Duration:
- (Virtual) Classroom: 2 days
- Prerequisites: 2,5 hours

Learning Path - BVMS Commercial Certification Training: Sales & System Design focus

Training Plan

Commercial Certification

This certification includes several online trainings to get an in depth overview of the BVMS key benefits and essential system knowledge. You will learn how to design a BVMS system and how to do a storage calculation.

Master level

- 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

Issues certificate

Target groups:

- Sales

Duration:

- 6 hours

Learning Path - Bosch Video Systems Commercial Certification Training

Training Plan

Commercial Certification

This Training Plan includes Web Based Training Modules (WBT's) in order to gain essential knowledge about the Bosch Video camera portfolio.

Expert level

- Camera portfolio and USP's
- Recorders portfolio and USP's
- Software portfolio and USP's

Issues certificate

Target groups:

- Sales

Prerequisites:

- Cyber Security basics (Expert)

Duration:

- 3 hours

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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 - Dynacord Install Electronics

Training Plan

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:**

- 1,5 hours

Expert level

- MXE Matrix Engines System Training
- Dynacord C Series Amplifiers System Training
- Dynacord IPX Series Amplifiers System Training
- SONICUE - Configuration & Control Software
- Online Exam

🏷 Issues certificate

🎯 **Target groups:**

- Install Partners, Sales Engineers & System Technicians

📋 **Prerequisites:**

- Dynacord Install Electronics– Introduction

⧗ **Duration:**

- 2,5 hours

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Learning Path - OMNEO / Dante Networking

Training Plan

Technical Certification

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

Introduction

- Addressing
- Topologies
- Cabling & Media
- OSI Model
- Unicast, Multicast and Broadcast
- Online Exam

🎯 **Target groups:**
- Customers, End Users Systems Engineers and Consultants

⏳ **Duration:**
- 1,5 hours

Expert level

- Addressing
- Topologies
- Cabling & Media
- OSI Model
- Unicast, Multicast and Broadcast
- Online Exam – Expert Level

🖾 Issues certificate

📋 **Prerequisites:**
- OMNEO / Dante Networking – Introduction Level

🎯 **Target groups:**
- Customers, End Users Systems Engineers and Consultants

⏳ **Duration:**
- 1,5 hours

Learning Path - Retail Partner

Training Plan

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. A Confirmation of Completion document will be available upon successful conclusion of this online training and exam.

Introduction

- Acoustics Basics
- Portable Speakers Portfolio Overview
- 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 – Introduction Level

Target groups:

- Retail Partners
- Sales managers with commercial & marketing focus

Duration:

- 3 hours

Master level*

- DC & EV Portable Systems Commercial Sales Training
- Online Exam

Issues certificate

Learning prerequisites:

- Retail Partner – 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 (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 (Online)

Target groups:

- Live Sound Partners
- Sound engineers & system technicians

Duration:

- 3 hours

Learning Path - Install 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:**

- 3 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

🎯 **Target groups:**

- Install Partners
- Sales engineers & system technicians

⏳ **Duration:**

- 3 hours

Master 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 – Expert Level Certificate (Online)

🎯 **Target groups:**

- Install Partners
- Sales engineers & system technicians

⏳ **Duration:**

- 12 hours

Learning Path - IRIS-Net Basic GUI Programming

Training Plan

Technical Certification

The comprehensive classroom training on basic GUI programming builds on IRIS-Net hardware classroom training and is applicable for customers who have attended such training within the last 2 years. An Expert Level Certificate will be available upon successfully completing this online training and exam.

Expert level

- IRIS-Net Basic GUI Programing
- Project file layers and navigation
- Project file structure recommendations
- Online Exam

Issues certificate

Learning prerequisites:

- IRIS-Net Introduction by participating in an IRIS-Net hardware training within the last 2 years (DC& EV Live Sound or Install Master, PROMATRIX6000, PROMATRIX8000)
- Own Laptop according to the IRIS-Net requirements with latest IRIS-Net system requirements with latest IRIS-Net version pre-installed and admin rights to be brought along to the training course

Target groups:

- EVAC Partners
- Sound engineers & system technicians

Duration:

- 3 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.

Introduction

- OMNEO Networking – Introduction (Optional)
- PRAESENSA System Introduction
- PRAESENSA Updates: Software Release v1.4
- Online Exam

Learning prerequisites:

- Bosch Public Address PA basics – Online training

🎯 **Target groups:**

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

⏳ **Duration:**

- 3 hours

Expert level

- OMNEO Networking – Introduction (Optional)
- PRAESENSA System Introduction
- PRAESENSA Updates: Software Release v1.4
- Online Exam

📝 Issues certificate

📋 **Learning prerequisites:**

- Bosch PRAESENSA Public Address & Voice Alarm System – Introduction (online training)

🎯 **Target groups:**

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

⏳ **Duration:**

- 2,5 hours

Master level

- OMNEO Networking – Introduction (Optional)
- PRAESENSA System Introduction
- PRAESENSA Updates: Software Release v1.4
- Online Exam

📝 Issues certificate

📋 **Learning prerequisites:**

- PRAESENSA Public Address & Voice Alarm System – Expert Level (online training)

🎯 **Target groups:**

- Systems Integrators, Distributors, Installers and Consultants

⏳ **Duration:**

- 3 days

Learning Path – PAVIRO

Training Plan

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:

- 5 hours

Expert level

- System Design Training Project Examples
- Network Basics
- Networked Systems Design Examples
- Online Exam

Issues certificate

Learning prerequisites:

- PAVIRO Training – Introduction

Target groups:

- EVAC Partners
- Consultants, System Designers

Duration:

- 3,5 hours

Master level

- Configuration Wizard SW Tutorial (Optional)
- IRIS-Net Software Introduction
- Master Classroom Training
- Online Exam

Issues certificate

Learning prerequisites:

- PAVIRO Training – Introduction

Target groups:

- EVAC Partners
- Installers

Duration:

- 2,5 days

Learning Path – PRAESIDEO

Training Plan

Technical Certification

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

Introduction

- System Introduction & Architecture
- System 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

- EN54 Installer Certification (optional)
- Master Classroom Training
- Online Exam

Issues certificate

Learning prerequisites:

- The WBT included in the Master certification Training plan need to be completed prior to the training start
- Broad experience in PA is required.
- For Persons with limited experience, who are active in PA business the PA-Basics Classroom and Web-based trainings are strongly recommended

Target groups:

- Systems Integrators, Distributors, Installers, and Consultants

Duration:

- 4 days

Learning Path – PLENA MATRIX

Training Plan

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, consultants, specifiers

⌛ **Duration:**

- 2 hours

Learning Path – Promatrix 9000*

Training Plan

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

- OMNEO Networking – Introduction (Optional)
- Promatrix 9000 System Introduction
- Promatrix 9000 Updates: Software Release v1.4
- Online Exam

Target groups:

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

Duration:

- 3 hours

Expert level

- OMNEO Networking – Expert Level (Optional)
- Promatrix 9000 System Design (Spec to BOM)
- Online Exam

Issues certificate

Learning prerequisites:

- Promatrix 9000 Public Address & Voice Alarm System – Introduction (online training)

Target groups:

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

Duration:

- 2,5 hours

Master level

- OMNEO Networking – Introduction (Mandatory*)
- OMNEO Networking – Expert Level (Mandatory*)
- Master Classroom Training
- Online Exam

Issues certificate

Learning prerequisites:

- Promatrix 9000 Public Address & Voice Alarm System – Expert level (online training)

Target groups:

- Systems Integrators, Distributors, Installers and Consultants

Duration:

- 3 days

Learning Path - Promatrix 6000*

Technical Certification

Training Plan

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
- Networked Systems Design Examples
- Online Exam

🏅 Issues certificate

📋 **Learning prerequisites:**

- Promatrix 6000 Training – Introduction (Online)

🎯 **Target groups:**

- EVAC Partners
- Consultants, System Designers

⧗ **Duration:**

- 3,5 hours

Master level

- Configuration Wizard SW Tutorial (Optional)
- IRIS-Net Software Introduction
- Master Classroom Training
- Online Exam

🏅 Issues certificate

📋 **Learning prerequisites:**

- Promatrix 6000 Public Address & Voice Alarm System – Expert level (online training)

🎯 **Target groups:**

- Systems Integrators, Distributors, Installers and Consultants

⧗ **Duration:**

- 2,5 days

Learning Path - Promatrix 8000*

Training Plan

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

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:**

- 2,5 hours

Master level

- IRIS-Net Software Introduction
- Promatrix 8000 System Training hands-on and exercises
- Online Exam

🏷️ Issues certificate

📋 **Learning prerequisites:**

- Promatrix 8000 Training – Introduction
- Own laptop with admin rights and installed IRIS-Net and Configuration Wizard Software has to be brought along to the training.

🎯 **Target groups:**

- EVAC Partners
- Installers

⏳ **Duration:**

- 2,5 days

Learning Path - DICENTIS Conference System

Training Plan

Technical Certification

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

*Only available in Germany

Introduction

- IP Basics & Terminology + OMNEO Overview and Positioning
- Conference & Discussion Commercial Segment Training
- DICENTIS System Introduction
- Online Exam

Target groups:

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

Duration:

- 3 hours

Expert level

- IP Basics & Terminology + OMNEO Overview and Positioning
- Conference & Discussion Commercial Segment Training
- DICENTIS System Introduction
- 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:

- 3 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:

- 2,5 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.

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

Training Plan

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 and DBP Introductions
- Online Exam

🎯 **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 - Expert Level Certificate (Online)

🎯 **Target groups:**

- Sales engineers & systems technicians

⏳ **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 – Master
- Telex Dispatch Practical Exam

Issues certificate

Learning prerequisites:

- IP Networking basics (Web Based Training)

Target groups:

- Sales engineers & systems technicians

Duration:

- 2 days

ACCESS CONTROL AND INTRUSION

Access management is an essential component of building security. It is the process of granting authorized users the right to enter certain buildings, areas, and rooms, while preventing access to non-authorized users. Sounds simple, but today's market also wants access management systems that are easy to set up and use. Access management systems must also be easily scalable and able to integrate with other security domains like video and intrusion systems. And perhaps, most importantly, today's market wants access management systems that are highly resilient and always available.

Learning Path - G Series Certification

Technical Certification

Expert level

- First Section:
  Platform and portfolio overview
- Second Section:
  1. RPS Programming Basics
  2. Features
  3. New Features
  4. Points
  5. RF Devices
  6. Cellular
  7. Outputs
  8. Keypads
  9. Automation
  10. Local Authorization
  11. IP Cameras
  12. Access Modules
  13. Dual Authentication
  14. Installer Services
  15. Troubleshooting
  16. Knowledge Check

▭ Issues certificate

◎ **Target groups:**

- Installers, Programmers, Sales Engineers, System Integrators

⧗ **Duration:**

- 20 hours

Training Plan

Learning Path - Access Management System Commercial Certification

Training Plan

Commercial Certification

Expert level

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

Issues certificate

Target groups:

- Sales
- New Hires
- Admins

Duration:

- 2 hours

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Learning Path - Access Management System Technical Certification

Training Plan

Technical Certification

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:

- 20 hours

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

Technical Certification

Training Plan

Self-study online Trainings and exams:

- IP Networking basics WBT
- Access Modular Controller (AMC) Web-Based Training series
- Online Exam from the content of the AMC WBTs (min. 80% result is necessary)
- Access control readers and credentials WBT
- Online Exam from the content of the Readers and Credentials WBT (min. 80% result is necessary)
- BIS Engines WBT
  Door Models WBT.

Target groups:

- Technician
- Installers

Expert Level Trainings and Exams:

- BIS Expert Training
- BIS Expert Level Exam

Target groups:

- Technician
- Installers

Module-based Master Trainings
Possible 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).

Target groups:

- Technician
- Installers

Learning Path -Intrusion: Commercial Certification

Training Plan

Commercial Certification

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 – MAP 5000 Certification

Training Plan

Technical Certification

The Expert course provides an in-depth instruction on the installation, programming, and operation of the Modular Alarm Platform (MAP) 5000 system.

The Master course provides in-depth instruction on advanced configuration of the Modular Alarm Platform (MAP) 5000 system.

Expert level

- This system is best suited for medium to large commercial applications.
- The requirement for the MAP 5000 Expert Certification is the MAP 5000 Professional Certification. You can acquire the MAP 5000 Professional Certification as web-based training. You can find it in this section as well.

🖺 Issues certificate

◎ **Target groups:**

- Installers, System Designers, Technicians, and Commercial Professionals

Master level

- The requirement for the MAP 5000 Expert Certification is the MAP 5000 Professional Certification and the Expert Certification. You can acquire the MAP 5000 Professional Certification as web-based training. You can find it in this section as well. If you do not yet have a MAP 5000 Expert certification, but have already registered for a previous MAP 5000 Expert course, you can also register for the subsequent Master's course.

🖺 Issues certificate

◎ **Target groups:**

- Installers, System Designers, Technicians, and Commercial Professionals

Learning Path – MAP 5000 Certification

Commercial Certification

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

Expert level

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

Issues certificate

Target groups:

- Installers, System Designers, Technicians, and Commercial Professionals

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 pre-requisites 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

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

Classroom Training:
- AVENAR panel series classroom/virtual training – Expert
- AVENAR panel series exam - Expert

Online Training
Classroom Training
Issues certificate

Target groups:
- System Integrators

Duration:
- Online: 2h55m
- Classroom: 2 days

Master level

- Topics included in the classroom/virtual trainings:
- Complex networks (CAN, IP, OPC)
- Connection to FSM
- Smart Safety Link (Integration to Praesideo, Paviro)
- RPS Programming advanced: application of rules over AVENAR panel series network
- Hands-on sessions
- AVENAR panel series exam – Master

Online Training
Classroom Training
Issues certificate

Prerequisites:
- AVENAR Panel Series Technical Expert

Target groups:
- System Integrators

Duration:
- 2 days

Training Plan

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

Training Plan

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.

This module is for experienced and certified FPA-5000 users only!

Expert level

- Online training: AVENAR panel series: What's new- for certified FPA-5000 users.
- Gives an overview of the new features and characteristics of the AVENAR panel series, consisting of the AVENAR panel 2000 and AVENAR panel 8000.
- Online Exam

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 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 IP starlight 8000
    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 the benefits of Remote Services and learn how to use and administrate the Remote Portal in an efficient way.

- Safety Systems Designer:

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

We are looking forward to welcome 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