BOSCH

25+ reasons to choose Fire Alarm Systems

Highlighting the benefits and unique selling points of our advanced fire detection systems and products.

Overview
Benefits

Reliability

Early and accurate fire detection

Minimal false alarms

Future-proof

Adapts to your current and future needs

Keep your investment

Value-adding to improve operations

Provide better and additional services

Improve efficiency and save costs

BOSCH

Reliability
Dual-ray technology

1

Bosch fire detectors are using **two wavelengths** for the **optical smoke detection** and **intelligent signal processing.**

Higher fire protection.

Increases the **speed of the detection**.

Reduces false alarms.

More continuity and **less additional costs** because of reduced false alarms.

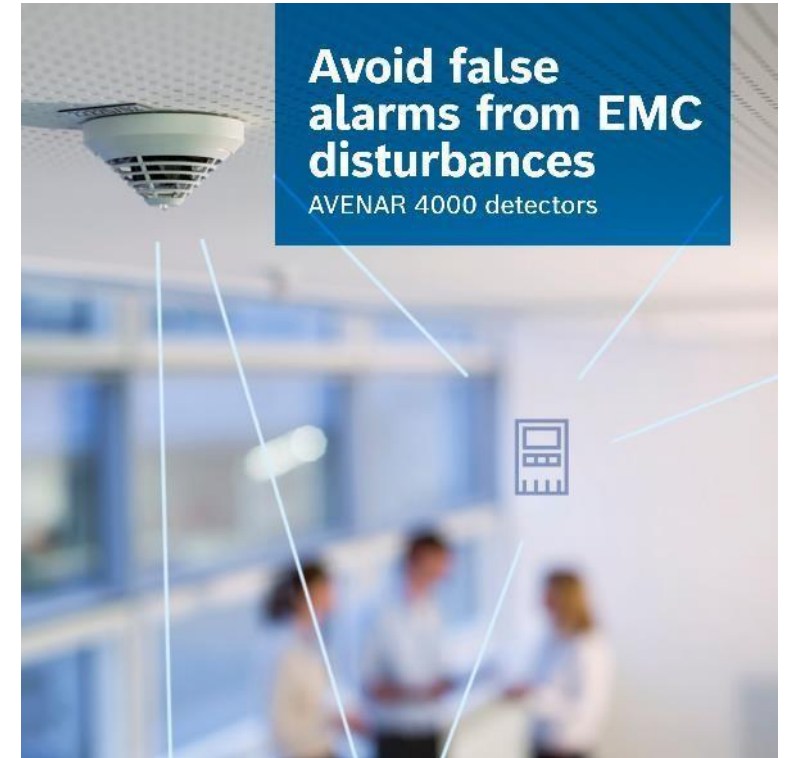Dual-ray technology you can rely on

BOSCH

Reliability
E-smog feature

The smart eSmog feature **enhances stability** and **detection performance** by constantly measuring the electromagnetic exposure of each detector and calculating mid- and long-term averages.

These help to predict the exceeding of threshold values even **before possible false alarms can occur.**

Avoid false alarms from EMC disturbances
AVENAR 4000 detectors

BOSCH

Reliability
AVIOTEC

⭐ AVIOTEC is an intelligent **AI camera** with built-in video analytics. The trained algorithm detects **flames and smoke directly at the source**.

✅ **Faster** fire detection than a common point type detector on a ceiling.

Reduced false alarms.

Ideal for **challenging environments** such as production plants and warehouses.

Early detection at the source
AVIOTEC

BOSCH

Value-adding to improve operations
NEXOSPACE Fire System Explorer

4

Bosch Fire Alarm Systems offers remote services as an **additional service** that your customers can profit from.

This enables you to **manage the system remotely**, for instance by accessing onsite data before visiting the site, or the one-man revision function, which allows for faster reporting.

Saves time and costs.

Improve operations, reduce costs

BOSCH

Value-adding to improve operations
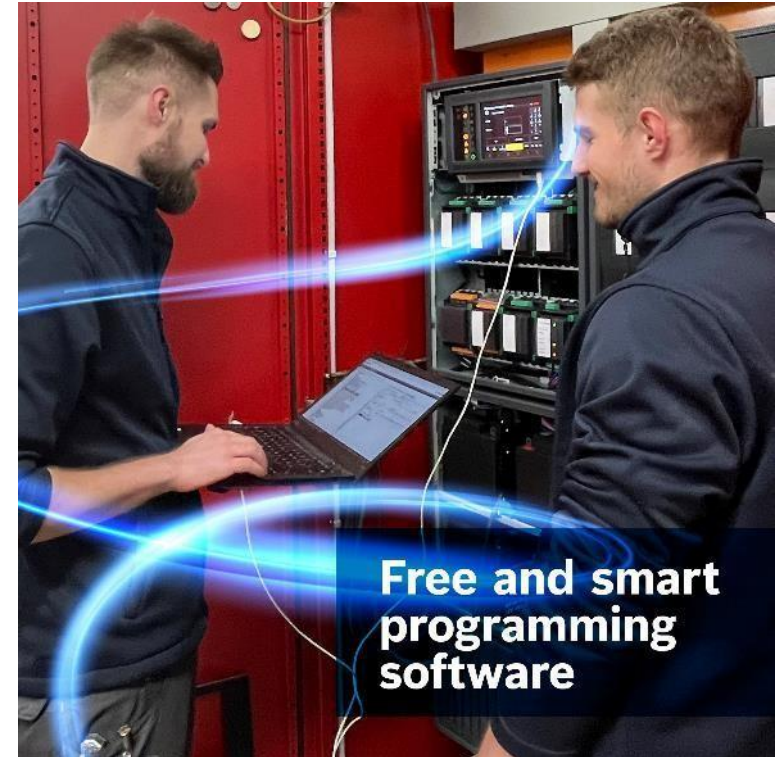## Remote programming

When you commission a fire alarm system from Bosch, you can benefit from the free of charge **Remote Programming Software (RPS).**

No need of any additional devices nor keys to use it.

This tool allows you to **easily program** the complete system without restrictions.

Free and smart programming software

BOSCH

Value-adding to improve operations
Safety Systems Designer

6

The Bosch Safety System Designer (SSD) is a **fast and smart** way to plan your fire alarm system, while **minimizing errors** in the planning phase.

The program consists of, for example, smart data transfer features with AutoCAD™ and an **automatic battery calculation**, which makes sure the system is properly specified.

Streamlined experience.

Save days
in your fire
alarm system
planning
process

Bosch Safety
System Designer

BOSCH

Future-proof
Modular system

With the smart solutions from Bosch Fire Alarm Systems, you easily extend your system when needed in the future. They're all based on a **modular system design.**

Also, these systems are **always compatible** with different product generations.

Stress-free extensions when needed.

Easily extend your system when needed in the future
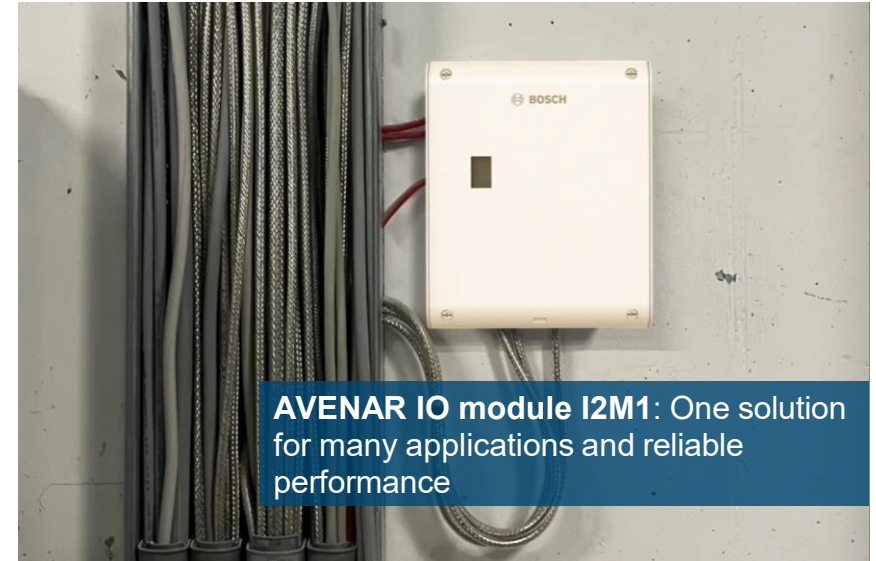
BOSCH

Flexibility
Interface modules

AVENAR IO module 4000 series can be used in **multiple applications**, including fire alarm notifications and building access.

Centrally monitoring of all connected systems, **saving time and costs on building planning**, and efficiently streamlining tasks such as stock inventories.

AVENAR IO module I2M1: One solution for many applications and reliable performance

BOSCH

Reliability | Flexibility
Interface modules

Depending on requirements, **the interface module and damper status can be software-configured** and adapted for specific status monitoring, with double resistor or triple resistor options for two or three positions respectively.

Damper settings can be controlled between fully or partially open or closed **for reliable operation**. Faults such as obstructions can be automatically detected and visually indicated by LED displays on the module.

Reliability and control.

AVENAR IO module I2M1: Smart and tailored damper control for a reliable fire alarm system

BOSCH

Future-proof
BACnet integration

AVENAR panels allow customers to choose from **several BMS integration options**, including BACnet, to meet their requirements such as the level of integration, compatibility with existing installed software, or preference for standardized communication protocols.

Faster emergency response and centralized monitoring.

Seamless BMS integration with AVENAR panel

BOSCH

Future-proof
Build-in ethernet

Bosch fire panel controllers are equipped with a 4-port Ethernet switch.

This allows you to have **more options** in **planning or extending** your panel network.

Reduced costs of future expansions with **no need of additional hardware.**

Intelligent fire safety, today and tomorrow

BOSCH

Future-proof
High-capacity network

Thanks to the high-capacity panel network, you can **install more panels on one single network.**

When an expansion is needed you can add further panels **without the need of a backbone network.**

Profit from a scalable system while **keeping costs under control.**

The smart scale-up for your fire alarm system

BOSCH

Value-adding to improve operations
Panel operation

Bosch AVENAR panels are all designed with a **consistent user interface** for both the fire panel and the remote keypad. They are equipped with a **color touchscreen,** and freely **programmable** and **customizable** user menu.

User-friendly operation with **easy-to-read** diagnostics and system data.

Less time planning and maintaining a fire alarm system.

Requires **less training** to operate the system.

Smart features for a user-friendly operation

BOSCH

Value-adding to improve operations
eMatrix

When you use a Bosch fire alarm system that is integrated with a Bosch voice evacuation system, you can **easily control and monitor** the evacuation zones **right from the fire panel interface.**

Ease of operation.

Reduced hardware costs.

eMatrix: advanced FIR-EVAC integration
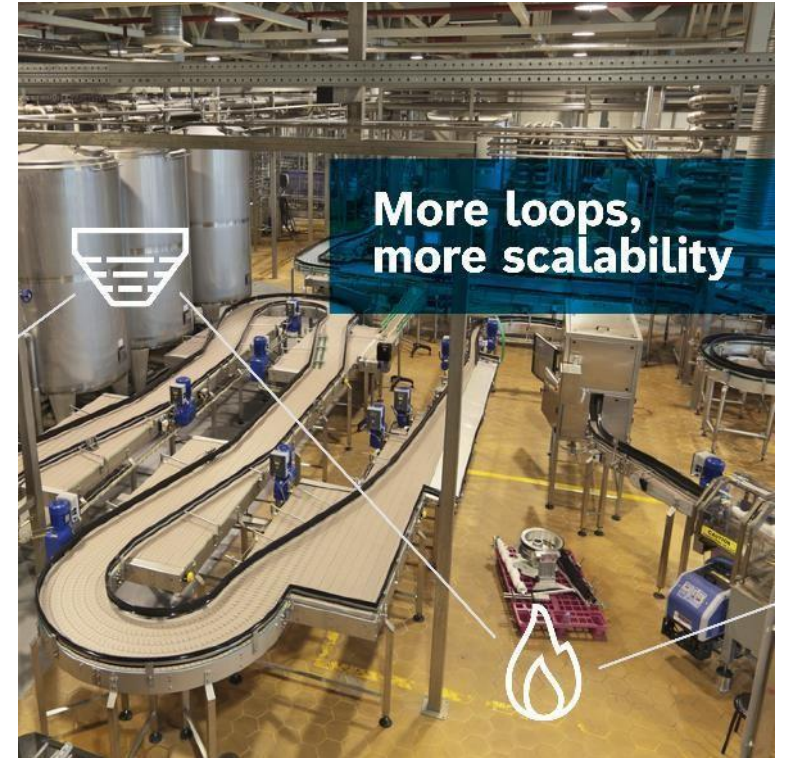
BOSCH

Future-proof
32 loops per panel

Our panels can accommodate **32 loops per panel** – where 16 is the average in the market.

This ensures more **flexibility and scalability**, ready for future expansions.

More loops, more scalability

BOSCH

Reliability
Loop communication

Bosch Fire Alarm Systems are set up for a **robust loop communication between panel and device**.

You can **choose what type of cable** (shielded or non-shielded) to use, without compromising the reliability of the system.

This proven stable connection ensures **less false alarms.**

Proven
stable system
communication,
less false alarms

BOSCH

Value-adding to improve operations
Automatic/manual addressing

Unlike conventional systems that indicate the zone, addressable fire alarm panels identify the **exact** detector or device that has been activated.

Bosch offers both **automatic and manual** addressing.

Saves valuable time in the event of a fire or suspected false alarm.

More **flexibility** during the installation.

More fire protection with more flexibility

BOSCH

Reliability
Short-circuit isolators

Bosch fire detectors are equipped with **certified short-circuit isolators** as a standard.

Increases the reliability of the detectors.

Less costs.

Short-circuit detector isolators, for optimal protection

BOSCH

Value-adding to improve operations
FAP-520 series

When it comes to smart fire detection, the FAP-520 series with a **virtual optic chamber** are unique.

Minimum aesthetic impact.

Easy to clean and **to maintain.**

Smart choice in **heavy dusty environments** or with **high maintenance requirements.**

Easy to clean,
easy to maintain
FAP-520 detector series

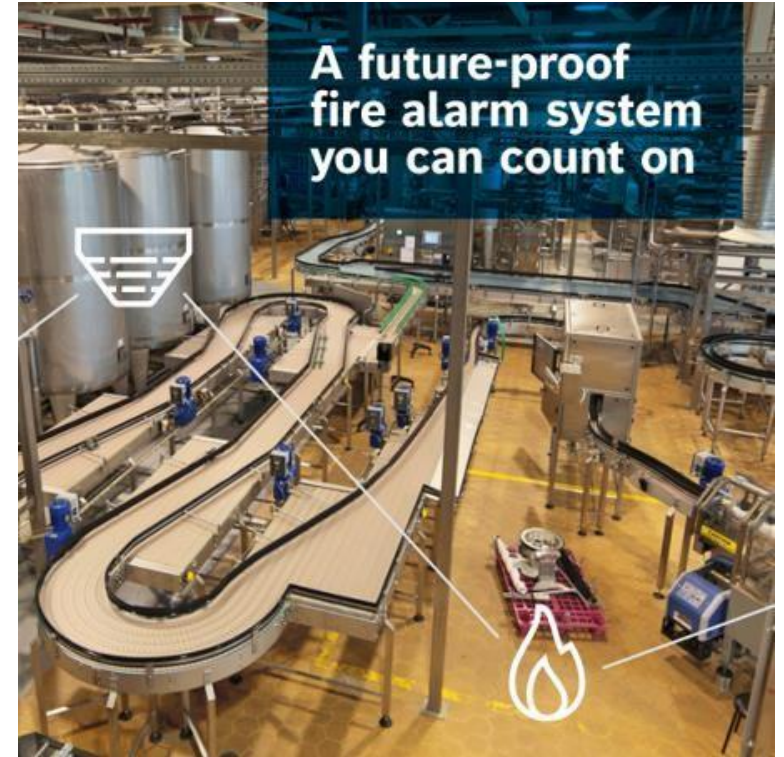**BOSCH**

Future-proof
Materials

Bosch fire alarm products have protected electronics, due to the **smart design and high-end quality** of materials.

This **prevents degrading** and accidental **damages**.

Increased life span of the detectors and **overall reliability** of the system.

A future-proof fire alarm system you can count on

BOSCH

Reliability
Detector lock

⭐ All our smart fire detectors are equipped with a **detector lock.**

Included in the detector price.

🏅 **Theft protection.**

Less system faults.

More protection, less system faults

BOSCH

Future-proof
Chamber maid

All AVENAR detectors have a so-called **'chambermaid plug'** on the bottom, a smart feature for blowing out the optical chamber with compressed air.

Detectors can be **easily cleaned**, ensuring **a longer lifespan** and **optimal safety.**

Fast cleaning, ensuring a longer lifespan

BOSCH

Future-proof
Detector painting

If you need intelligent fire detectors **in a specific color that fits your application or building**, we can prepare this with our VdS approved detector painting process.

Design flexibility.

Intelligent fire detectors, adjusted to your requirements

BOSCH

Value-adding to improve operations
AVENAR all-in-one

The AVENAR all-in-one 4000 detector combines **visual and audible notifications**.

Its **high efficiency** and **low consumption** allows to accommodate 4 times more devices per loop.

Reduced costs.

Optimized safety.

Optimize safety, minimize energy consumption
AVENAR all-in-one 4000
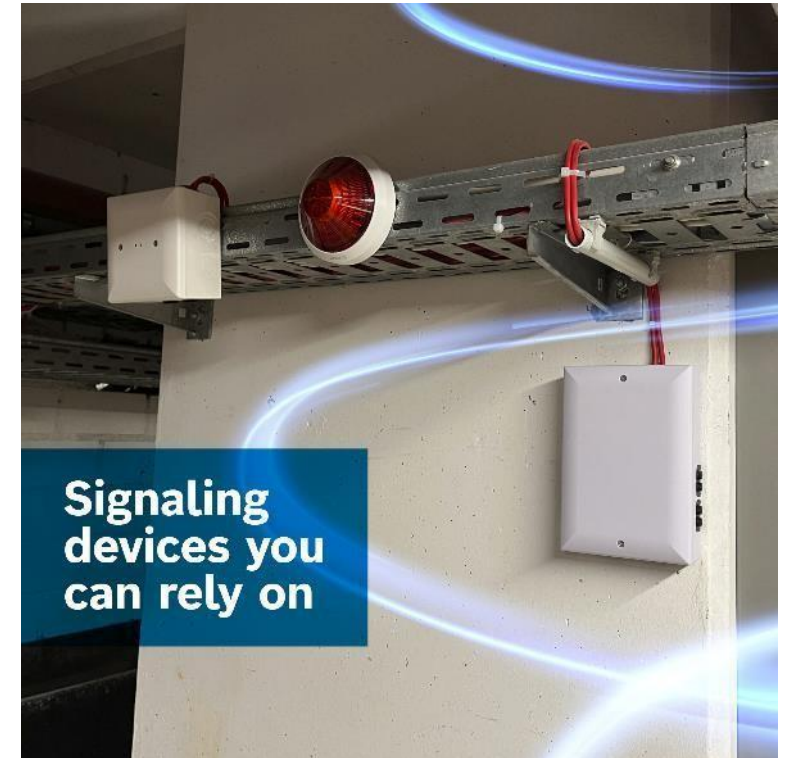
BOSCH

Reliability
Build-in battery back-up

One of our offerings are signaling devices with a **build-in battery backup**.

It ensures the signaling function stays **uninterrupted**, even upon complete loop cable damage.

Early and **accurate** fire detection.

Minimal false alarms.

Signaling devices you can rely on

BOSCH

Value-adding to improve operations
Cabling

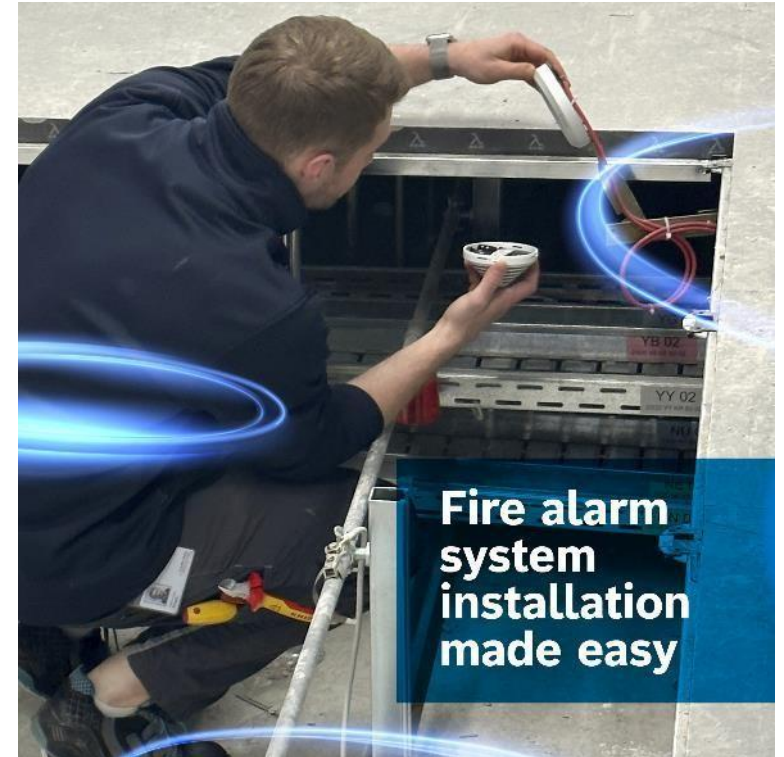Our panels, detectors and interface modules provide enough **space for cabling.**

In addition, at Bosch we offer you the possibility to **choose the type of cables** for your installation.

Time saving due to **convenient and easy** installation.

More flexibility in the planning of the system.

Less costs since it reduces the number of panel modules needed in an installation.

Fire alarm system installation made easy

BOSCH

Value-adding to improve operations
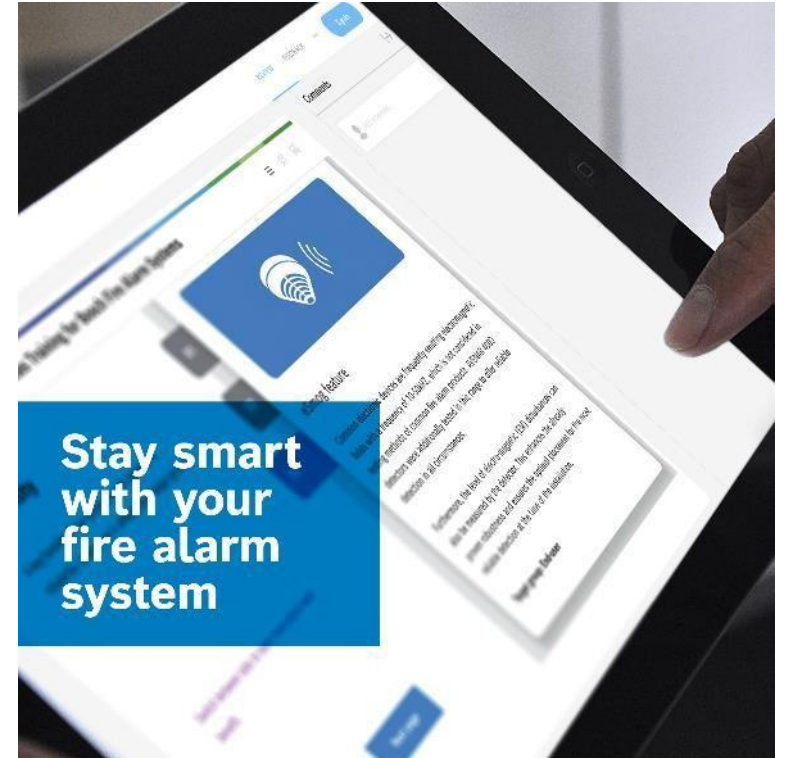## Online training academy

Next to the smart products and solutions of our fire alarm systems, Bosch supports you with **an online training academy**.

On this platform, we are offering **up-to-date system knowledge**, which reduces on-site training time.

Saves costs and **time**, so you can focus on your business while staying up to date with your fire alarm system.

Stay smart with your fire alarm system

Website training page

BOSCH

Reliability
VDS Quality mark

Bosch Fire Alarm Systems provides products that fulfill the **EN-54 standards** and **VdS testing**.

100% quality for your fire alarm system.

VdS

EN54 Certified

Proven quality and security you can count on

BOSCH

Bosch Life Safety Systems
Don't miss out!

Stay up to date with our upcoming webinars and gain access to valuable content by following us on our new LinkedIn page!

Follow us on LinkedIn:
Bosch Life Safety Systems

BOSCH