SCHRACK SECONET

For all that matters.

Integral EvoxX

The evolution of
fire protection

FIRE ALARM

About Schrack Seconet.

We are a high-tech Austrian company specialised in protecting people and property. As part of the Swiss Securitas Group, we are one of the leading international suppliers of **fire alarm and communication systems**. With passionate personnel, innovative technology and forward-looking concepts that are always geared towards people's needs, we find the right protection solution for every situation. You benefit from our claim to make living areas more convenient and safer.

As a premium safety provider we guarantee you …

… technical competence and high-quality performance

… customised holistic solutions for individual requirements

… quality by certified technology partners with highly trained staff

… innovative technology and high-quality products – developed and produced in Austria and Germany

… lifecycle support for smooth operation over decades

… outstanding customer service and customer focus through branches and partners in more than 70 countries

Because there are always new ways to make first-class even better.

The **Integral EvoxX** is the result of the continuous development of first-class fire alarm technology in combination with the latest technologies and our many years of expertise as an innovation leader. Our solutions set new standards in fire alarm systems and are perfectly equipped for current and future requirements.

With each new development, we place the utmost value on functionality, security and compatibility – meaning we are always one step ahead of the times. How? By recognising important aspects of fire protection, designing our concepts with an eye on the future and thinking in a digital and future-minded way.

The Integral EvoxX raises fire protection and operational safety to a new level.

Outstanding high-quality technology across the entire system family, with the same programming software and operation you are used to, creates efficiency and unprecedented possibilities for all system sizes. An innovative programming logic lies at the heart of the Integral EvoxX and stands out as the most powerful of its kind. This enables a highly flexible fire incident control system and makes it possible to respond to all emergency scenarios in a precise manner.

Specially developed digital applications and cloud services are revolutionising operation and maintenance in terms of convenience and efficiency.

Hardware and software compatibility over decades allows systems to be cost-effectively and continuously modernised and offers "state of the art" fire protection at all times.

A fully duplicated system architecture ensures maximum operational reliability and is one-of-a-kind in the fire alarm industry.

Having a fire detector and extinguishing control panel all-in-one brings double the benefits and saves on system hardware and maintenance costs.

High-performance transmission technologies such as IP and fibre optics allow all systems and any number of control panels to be merged into one functional unit.

Optimally sophisticated operation for a fast and effective response in all situations and emergencies.

The powerful data transmission and a unique detector portfolio master even the most demanding fire protection tasks in the most difficult environments.

Digital applications and services – for maximum efficiency.

A reliable fire alarm system provides the decisive time advantage in critical moments and does so in a way that is completely safe and convenient. The primary aim is to make information available where it is needed. Remote access via Integral Remote supports with a variety of solutions: convenient monitoring directly at the workplace, mobile notifications in real-time on a smartphone or tablet as well as straightforward live support.

Integral Remote Notification
Notifications

Integral Message   **Integral Mail**

Integral Remote Control
Notifications, display and operation

Integral Mobile   **Integral Browser**   **Integral Desktop**

Flexible notifications
Push notifications provide quick and secure messages to computers or mobile devices, even when the applications are not active. Notifications can be addressed due to certain events (alarm, fault, power failure etc.) and individually to specified persons.

Information and analysis
The status of the fire alarm system can be viewed at any time without having to be physically present on site. Detailed evaluations make it possible, for example, to identify recurring deceptive alarms and to take appropriate measures.

Efficient operation
Many tasks can be easily solved during operation, including immediate clarification in the event of an alarm, preventing unnecessary fire brigade operations or temporarily disabling detectors during renovation work.

Live support
Experts and technicians have access to the systems if required and can quickly and easily provide remote assistance or troubleshooting to local users.

Cloud-based solutions
Maximum efficiency and availability –
the service platform makes it possible.

Take advantage of the intelligent connection to our service platform, a highly secure cloud solution to benefit from comprehensive services as well as efficient interaction throughout the entire life cycle.

Life cycle

From planning, installation, commissioning and ongoing operation to maintenance, modernisation and expansion: Innovative digital services simplify processes throughout the entire life cycle. As an ideal add-on to the fire alarm system installed on site, these cloud-based solutions provide information on the current status of the system and, in this way, offer the advantage of "predictive maintenance". This predictive maintenance enables active measures to be taken instead of relying on a reactive approach.
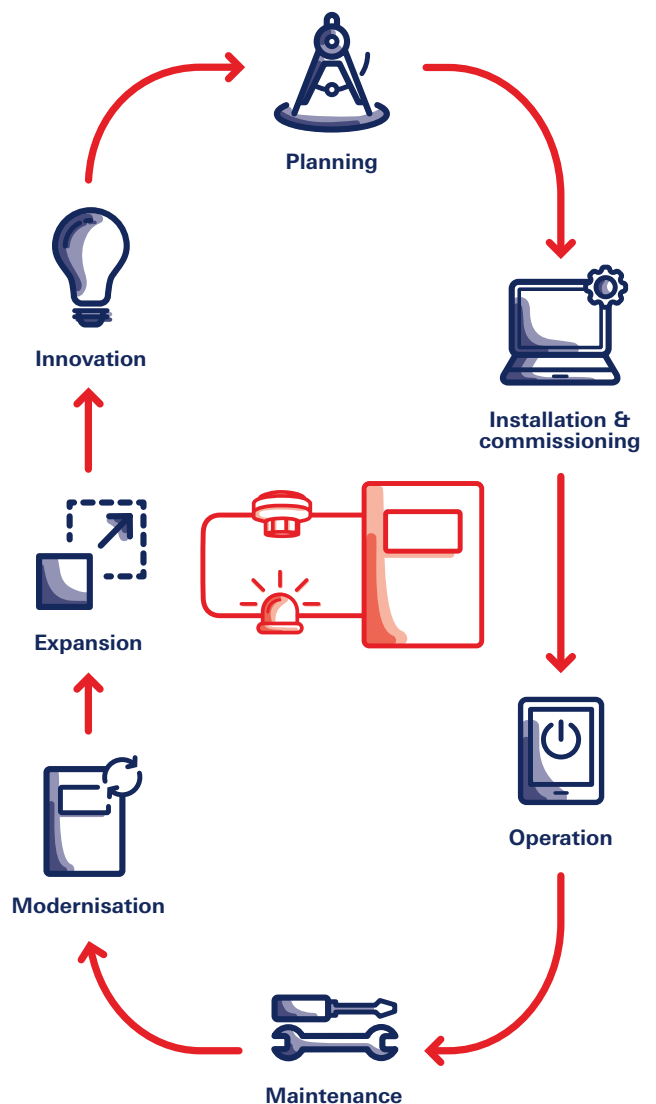
Integral Remote Professional
For the installer

Service Platform   **Integral Application Center (IAC)**

Remote data analysis
The service platform allows data from the fire alarm system to be permanently recorded and analysed. This allows the derivation of effective measures and supports in every phase of the system's life cycle.

Remote programming
Changes to the system configuration can be implemented conveniently via remote access. This includes, for example, adaptations of customer-specific texts due to changes in use.

Planning

Installation & commissioning

Operation

Maintenance

Modernisation

Expansion

Innovation

Redundancy at all levels – for maximum security.

When it comes to the safety of people and values, everything must be well thought out down to the smallest detail. This is why Schrack Seconet relies on **end-to-end redundancy** for its Integral EvoxX fire alarm system.

Thanks to the unique concept, two completely identical systems operate continuously in hot stand-by operation. If a fault occurs in the active part, the system automatically switches to the second half without interruption. This means that **all functions** such as detection, alarm notification, plain text displays as well as activating the fire incident control system are retained **without restrictions**.

Normal condition

Line interruption
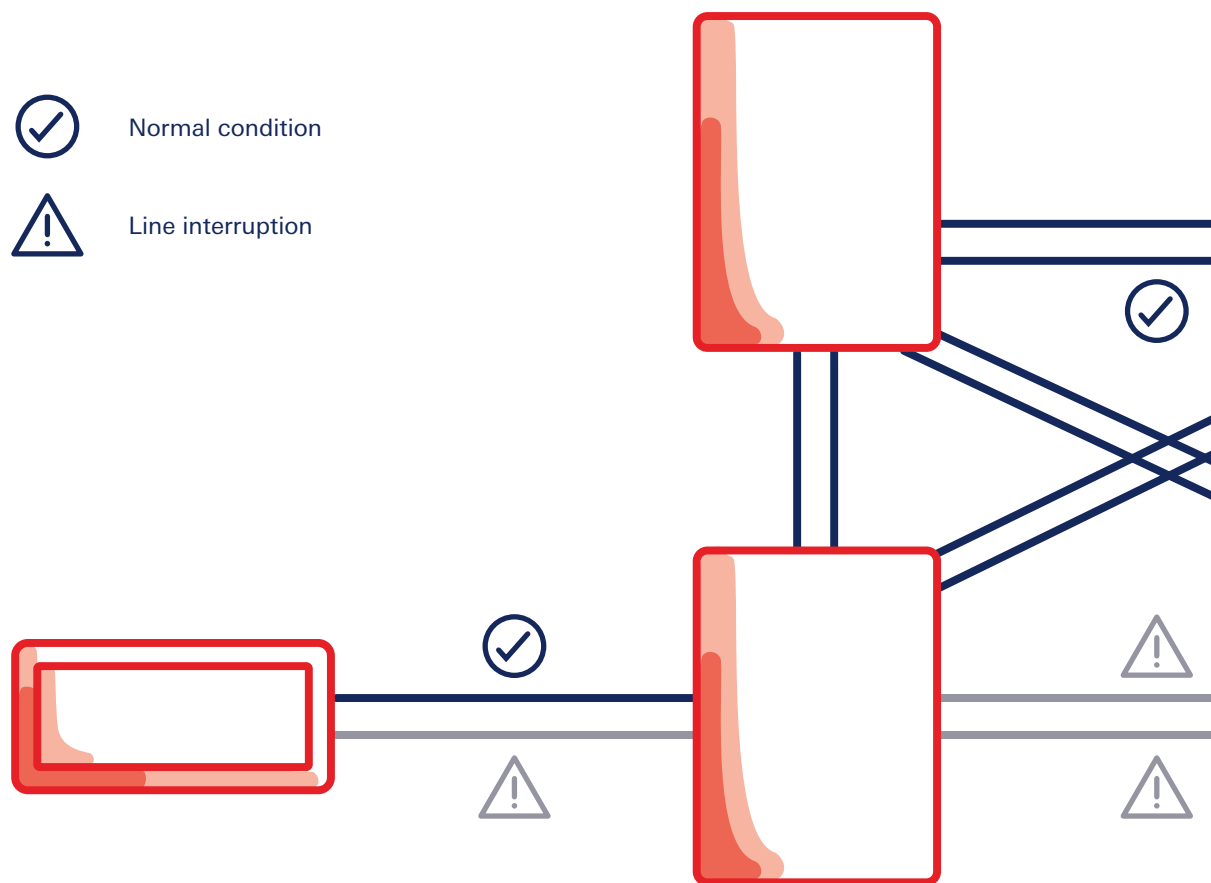
Operation – redundant connections to external display and operating devices.

Clear information about the situation at all times, about every event, as well as unrestricted operability of the entire fire alarm and extinguishing system is essential. For this reason, connections and interfaces to external indication and operating devices are duplicated. This form of redundancy ensures the full operability of the system and an indication of all events with clear location and time information even if one line fails. In this way, fewer operating panels are required in the fire alarm control panels and operation takes place where it is needed.

Network – all control panel networks redundant.

Line interruptions during operation (due to construction work on the premises, expansion or modernisations) cannot be ruled out. For this reason, the entire network in Integral EvoxX M systems is designed with multiple redundancy as a double ring or mesh network. In the event of connection faults, the network automatically finds an alternative path without interruption. The system remains fully active, maintenance can be optimally planned and any fault can be repaired in peace.

Full functionality in the event of a fault.

Benefit from an intelligent, end-to-end redundancy concept. From the operation to the network, the control panel and the loop, all system components (not just the microprocessor structure, but all components and parts) are redundant and ensure maximum security.


Hot stand-by   Power x 2

Bus x 2

Processor x 2   Data x 2

Software x 2

Wire break

Short circuit
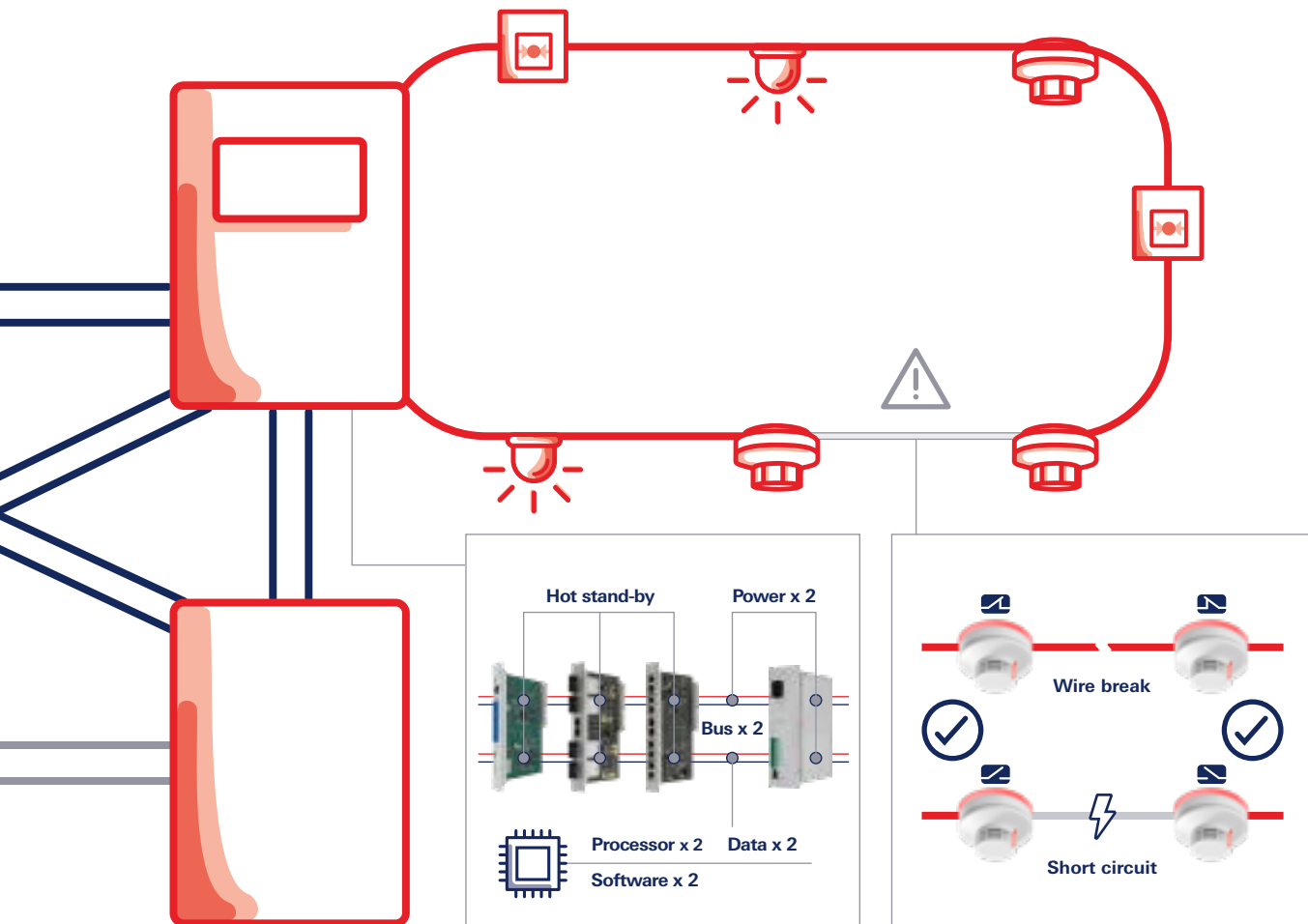
Centralised – redundant system design.

All modules, power supplies, bus systems and software routines of the Integral EvoxX M fire alarm control panel are redundant. If the active side fails, the second side running in hot stand-by operation takes over automatically and without interruption. In this way, any fault is compensated for, the fire alarm system remains fully operational and fires are detected quickly and reliably even in the event of a fault. All data and messages are reliably transported and processed and all fire incident control systems such as ventilation flaps, fire zone doors or extinguishing functions are activated.

Loop – redundant line structure.

All peripheral devices are connected in a ring, making them redundant. Thanks to the short circuit isolator integrated in each device, the loop can be wired and configured across fire zones and functions. In the event of a short circuit or wire break, the integrated short circuit isolator isolates the damaged part of the line and all devices on the Integral X-LINE remain fully functional via two stub lines. The damaged wiring section itself can be easily located – saving valuable time during commissioning and service.

Flexible & compatible network solutions – for maximum investment security.

Our innovative and flexible network solutions Integral LAN and Integral WAN offer stable and reliable options for **all business sizes and requirements**. All investments in your fire alarm system remain secured over the entire life cycle.

Headquarters in Vienna

INTRANET/
INTERNET

Secolog IP

Rome

Zagreb

Stockholm
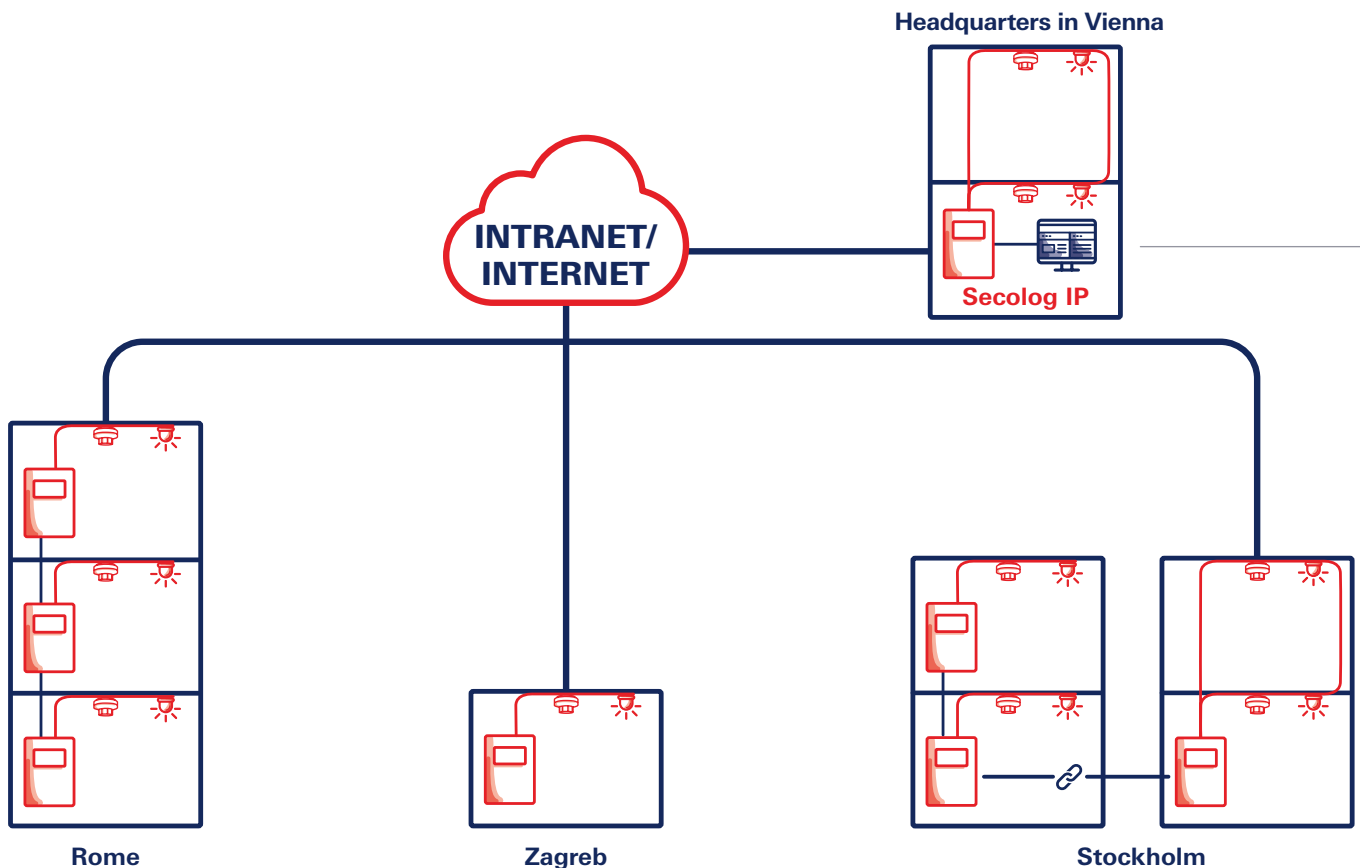
Integral LAN

Larger buildings and building complexes such as hotels, office buildings, industrial facilities, etc. are easily and efficiently realised with our network solutions.

Integral WAN

Large-scale facilities
Extensive company premises with campus structures such as hospitals or universities, large-scale facilities such as shopping centres or large public buildings can be optimally networked.

Distributed locations
We connect fire alarm systems together regardless of their distance. Companies with branch structures such as supermarket chains or companies with several branches to unoccupied and scattered facilities such as wind power plants.

Advantages to you:

- High amount of cross-controls
- Suitable for location-based alarm notification
- Easy to expand at a later date

Advantages to you:

- Each system of a building independent of the other
- Efficient management of the fire alarm system via a central building management system
- Networking via separate or existing networks (Intranet/Internet)

Reliable compatibility
Invest today, benefit forever.

Take advantage of the possibility of carrying out modernisations and expansions with little effort, even for decades to come.

**Secolog IP** – for convenient display & operation.

The fire alarm operation control system offers a simple, clear and centralised indication and operation of fire alarm systems and safety-related systems.

Advantages to you:
- Can also be integrated at a later date and all important information at a glance
- Simple and user-friendly operation in alarm and command mode

Modernisation and building expansion

The **forward and backward compatibility** of our systems is unique. Older components are easily connected, building extensions integrated, networks expanded and the utilisation of future innovations guaranteed. This means the investment in your fire alarm system is secured for the long term.
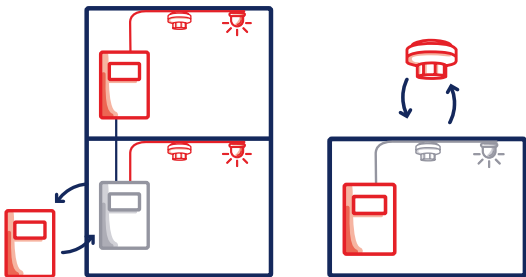
Modernisation

No matter for what reason you need to adapt your fire alarm system (be it a new room concept, new standards or even a building renovation) with Schrack Seconet products you can modernise step by step, with small adjustments and little installation effort.

Advantages to you:
- Cost-effective replacement of existing systems
- Takeover of existing cabling and peripherals
- Avoid unwanted business interruption
- No unnecessary programming efforts
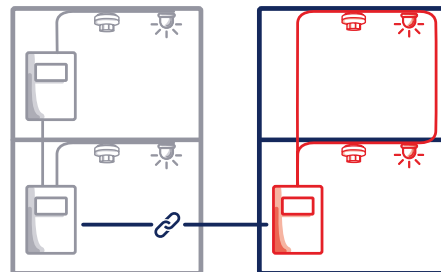
Expansion

Is your company growing? That's no problem for the fire alarm system from Schrack Seconet. From a building expansion at the same location to global expansion – step-by-step networking and migration, even across several system generations, is quite simple for us.

Advantages to you:
- Optimal basis for future system expansions
- Centralised display and operation guaranteed across all buildings/locations
- Function guaranteed across all Integral generations

Customised control panel technology – for maximum flexibility.

In the Integral EvoxX system family, you are sure to find the right fire alarm panel for every **system size** and every **area of application**. Thanks to the modular, newly designed system structure, all requirements can be met even better. The new operating panel Integral IMAP takes the operation of fire alarm systems to the next level.
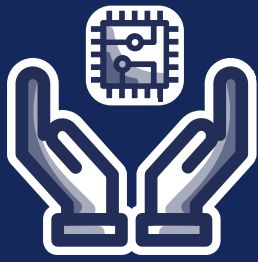
	Integral EvoxX M	Integral EvoxX C	Integral EvoxX B
Structure	modular, decentralised	compact, decentralised	basic version
Hardware redundancy	•		
Software redundancy	•	•	•
Loops per control panel	up to 16	up to 4	1
Devices per control panel	up to 4000	up to 1000	up to 250
TCP/IP interface	•	•	•
Can be networked	Double ring, mesh net	Double ring	via TCP/IP
Number of extinguishing zones	up to 32	1	1

All-in-one fire detector and extinguishing control panel – for all applications.

The Integral EvoxX can be perfectly matched to your requirements and system size due to the wide range of case variants, components and expansion stages. From **smaller properties** such as unoccupied facilities or schools, to **medium-sized facilities** such as supermarkets or hotels, **to large facilities** such as airports or hospitals. All control panels are based on the same high-quality technology and are compatible with each other. They also make use of the same software tools and commissioning tools. On top of this, operation and handling is identical for all Integral EvoxX control panels.

The Integral EvoxX can be used as a fire alarm control panel, extinguishing control panel or as both. It can be used **for all extinguishing technologies** such as high and low pressure CO_2 extinguishing systems, inert gas and argon extinguishing systems. All versions are approved in accordance with the EN 54 series of standards for fire alarm systems and EN 12094-1 for extinguishing systems.

Integral IMAP – the new operating panel

The innovative Integral IMAP (Integrative MAin operating Panel) takes intuitive operation to a whole new level. The evolutionary, customer-focused further development is perfectly matched to the operating and display processes in the service life of a fire alarm system. All of the benefits at a glance:

- Next-generation fire alarm system operation for all applications
- Optimised layout for fast operation and reliable control
- Simplified use thanks to backlit pushbuttons
- Integrated display for an extinguishing zone

- User-friendly set-up
- Customised shortcut menu, tailored to customer requirements
- Situation-related QR codes for targeted support in an emergency
- Investment security: compatible with existing and future systems

Customised for every application.

With an optimised response, especially in emergency situations, as well as the option of remote operation, Integral IMAP sets a new standard in fire protection technology.

In addition to Integral IMAP, the new Integral EvoxX case also impresses with an optimised portfolio thanks to the various control panel inserts. This modular product range structure offers advantages for customised solutions when it comes to a variety of customer requirements and properties.

A wide range of information and operating possibilities – intuitive and well thought out.

The display and control units of the Integral EvoxX control panels can be combined as required and allow perfect adaptation to customer preferences as well as the requirements of operators, installers and action forces. These are continuously being developed and are available in **more than 25 languages**. We also offer many variants and designs of fire brigade operating panels (e.g. in accordance with ÖNORM F 3031, DIN 14662, SN 054 002 etc.) and LED indication panels as well as operation on mobile devices.

Intelligent detection & alarm notification – for maximum reliability.

MTD 533X-SP

MTD 533X-S

CMD 533X

MTD 533X
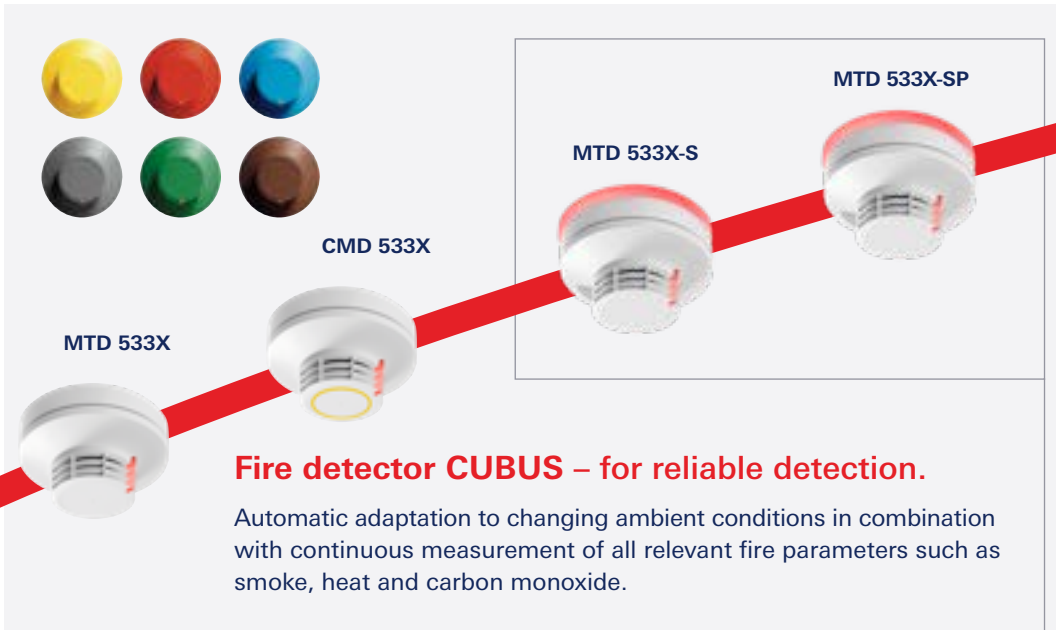
Fire detector CUBUS – for reliable detection.

Automatic adaptation to changing ambient conditions in combination with continuous measurement of all relevant fire parameters such as smoke, heat and carbon monoxide.

Integral X-LINE loop – for powerful transmission.

The **Integral X-LINE** combines detection and alarm notification in perfection over a **length** of **up to 3500 m**: **Up to 250 participants** communicate on the loop with the fire alarm control panel. Fast ramp-up times also enable rapid commissioning and accurate and rapid localisation of installation malfunctions and faults. The short circuit isolator integrated in each X-LINE device provides additional planning safety and unrestricted function in the event of a short circuit, wire break or sabotage.

Alarm notification in the detector – for a fast & safe response.

Detection and alarm notification combined in one device: In the event of an incident, the fire detector sounds an **acoustic** alarm, replacing separate acoustic signal devices. In addition, clear voice instructions are output to help people leave the building quickly and safely. An optional detector base with integrated LED-ring enhances the detector with visual alarm notification.

Fire detector for hazardous area

For hazardous areas of zones 1, 2 and 22, where both dust and gas may be present.

Standard	Alarm notification	Heat	Smoke	CO	MTD 533X	CMD 533X	MTD 533X-S	MTD 533X-SP
EN 54-3	•						X	X
EN 54-5		•			X	X	X	X
EN 54-7			•		X	X	X	X
EN 54-26				•		X		
EN 54-29		•	•		X	X	X	X
EN 54-30		•		•		X		

Manual call point – for manual triggering.

Manual call points are essential for effective fire protection: They are used to manually trigger alarms. You will find a variety of manual call points (type A or B) in different versions according to EN 5411 in our portfolio. This also includes manual call points in different colours as well as stop and actuation buttons for manual control of an extinguishing process.
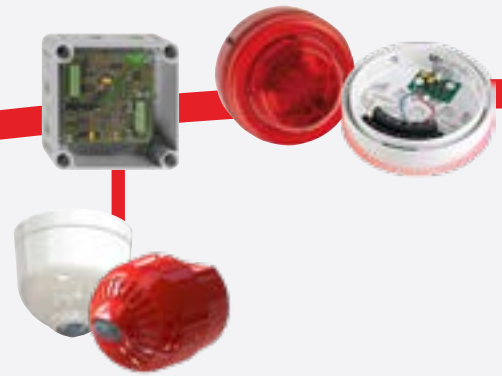
Signal device – for reliable alarm notification.

We offer signal devices in various colours and designs for acoustic and/or visual signalling of a fire. All have EN-54 approval and/or VdS approval. In addition, a complete range of flashlights is available that complies with the valid EN 5423.

Duct smoke detector – for early detection.

For detecting fire smoke in ventilation systems or in places with high air velocity and strong smoke dilution: Early smoke detection prevents the spread of fire and smoke in and through the ventilation system.

Holding magnet – for currentless holding.

The BX-MDH holding magnet is connected directly to the X-LINE. It requires neither an external power supply nor additional wiring. Modules or continuous current are also not required. The BX-MDH holding magnet impresses with monitoring of the door position as well as the possibility of selective activation thanks to individual addressing.

Input and output module – for reliable integration.

For the integration of elements there is a wide range of complex modules. Depending on the version, potential-free contacts can be interrogated, potentially explosive areas can be monitored, loads can be switched by means of relays, or special fire alarm systems can be integrated.
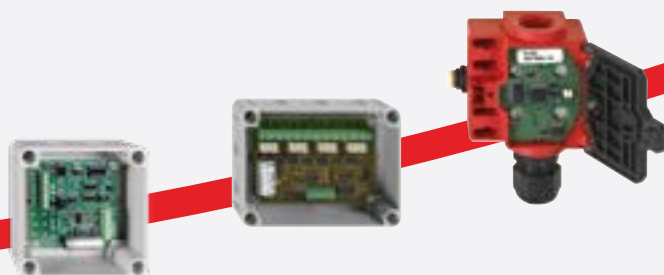
Reliable detection –
for even the most difficult
conditions.

Extreme air humidity, exposure to dirt, high temperatures or high altitudes – our "special fire alarm technology" product range offers you the right solution for every application from a single source. We rely on a detector range that ensures early detection of hazards even under the most difficult ambient conditions and reduces deceptive alarms and associated costs to a minimum.

Video fire detection

Radiometric dual camera for detecting heat in outdoor areas or in extreme ambient conditions, even before smoke forms. Fire verification possibilities using the video image sensor

Config over Line –
easy to manage centrally.

Individual steps in the configuration, commissioning and maintenance of the ASD aspirating smoke detectors and the ADW line-type heat detectors are carried out remotely via modern software tools. No additional cable installation is required; data exchange and communication are carried out via the existing Integral X-LINE.

Aspirating smoke detector ASD

The combination of reduced design and sensitive technology makes this detector the perfect choice for monitoring buildings and objects. Examples are data centres and **clean rooms**, **low-temperature areas** as well as **historical buildings**. Operational sources of interference such as strong air currents, humidity, dust or restricted access due to hollow floors, high rooms or lift shafts do not pose a problem.

Line-type smoke detectors

These are used where the maximum installation height of other fire detectors has been reached, the visual appearance should not be affected or large areas need to be monitored. Such as **shopping centres**, **exhibition halls and warehouses**, but also **airports**. Due to its discreet appearance and easy installation, it is also used in **historical buildings**, **churches and theatres**.

Flame detectors

These detectors master the challenge of smoke-less liquid and gas fires. It is also used for very smoke-intensive, open fires in explosion-protected areas. Typical places of use are **chemical plants**, **oil refineries**, **power stations**, etc.

Line-type heat detectors ADW

The extreme resistance of this detector makes it the optimal solution for aggressive environments. Gases, exhaust fumes, salt mist dust as well as humidity and extreme temperatures cannot damage it. It is perfectly suited for use in **cold stores**, **refineries**, **waste disposal plants** as well as **car parks**.

d-LIST system & LIST system

The robust, addressable sensor cable is characterised by precise detection, high reaction speed and simple installation and commissioning. Different sensor intervals, branches in the sensor cable and individual temperature sensors enable the perfect solution for every application. They are optimised for use in **road and rail tunnels, cable and supply tunnels as well as photovoltaic systems**, but also industrial applications such as **conveyor** and **disposal systems** or **production lines**.