

A photograph of an industrial facility, likely a refinery or chemical plant, at dusk. The scene is dominated by tall, cylindrical distillation columns and a complex network of pipes and metal walkways. The sky is a clear, deep blue, and the facility is illuminated by warm, yellow lights, creating a strong contrast. A white speech bubble graphic is positioned to the right of the main text.

How can I protect valuable assets from fire and ensure business continuity?

XC10 compact panels combine fire detection and extinguishing control – for comprehensive safety.

Answers for infrastructure.

**SIEMENS**

A partial view of the industrial facility at the bottom of the page, showing the lower sections of the distillation columns and pipes, illuminated by the same warm lights as the upper section.



## Compact panels for fire detection and extinguishing control

Protecting people and assets, business processes and continuity are core aspects of fire safety. With XC10, we offer you a family of control panels for comprehensive fire safety: the panel family combines both fire detection and extinguishing control. How it works? After receiving a fire alarm from the connected fire detectors, the combined XC10 panels trigger the extinguishing process.

XC10 panels are the perfect solution for protecting valuable objects, a single sector (one room) or multi sectors (multiple rooms) with sophisticated requirements. You can install XC10 as an independent control panel or integrate it into a larger fire safety solution.

# Covering sophisticated requirements with advanced control panels

## ■ Ensuring business continuity

People, assets and business processes need to be optimally protected in case of a fire incident. Fast fire detection, alarming and activation of an extinguishing system thus are essential and can ensure your business continuity. XC10 – with a new family of control panels – enables rapid, safe and automated interventions. The XC10 control panels immediately trigger the extinguishing process after having received a fire alarm from the connected detectors.

## ■ Ideal choice for single- and multi-sector applications

Whether independent or integrated, the XC10 panel family can protect either a single-sector or a multi-sector application. Used for a single-sector application, XC10 can protect a room or an object, such as an IT room or a turbine. It can also be used for multi-sector applications, for example large data centers or archives, etc. With up to 16 flooding zones, XC10 is the ideal choice for large applications with several extinguishing sectors. Another advantage: only one extinguishing cylinder battery is needed to protect several sectors.

## ■ Easy combination of fire detection and extinguishing solutions

When it comes to fire safety, every second counts. That's why it's important to have a fast, reliable and comprehensive fire safety solution. With XC10, you receive

control panels that combine fire detection and extinguishing control. In addition, we offer you a complete portfolio for detection and extinguishing: Sinteso™ is our comprehensive fire detection system including deception-free fire detectors, easy-to-operate control panels and a wide range of peripheral devices. Our Sinorix™ portfolio comprises intelligent extinguishing solutions that offer the latest technologies in extinguishing and can be tailored to your individual needs. You see, with our wide fire safety portfolio, you receive state-of-the-art products and solutions that provide automated intervention and ensure the continuity of your business processes – all from one source.

## ■ Your partner for comprehensive fire safety – Siemens

Our high-quality products and solutions are based on in-depth application know-how and experience. New products are continuously developed in cooperation with fire departments and scientific institutes. This includes testing in our own test laboratories. It's a matter of course that all our products comply with the latest international standards. Moreover, our solutions comprise a comprehensive service portfolio – from risk assessment, system design, installation and commissioning to maintenance. So you can enjoy peace of mind and focus on your core business.

## Highlights

- Advanced control panels for detection and alarming as well as for the activation of the extinguishing process
- Highly flexible family of control panels – function with different types of detectors and automated extinguishing solutions
- Space-saving and cost-efficient solution – less extinguishing cylinders needed with new multi-sector control panel for larger applications
- Sophisticated detection and extinguishing technology – backed by our decades of know-how and experience
- Always on the safe side – XC10 control panels comply with international standards
- Enjoy peace of mind – thanks to our wide service portfolio





XC10 control panels combine fire detection and extinguishing control and are an ideal solution for room protection, for example of IT rooms.

## A compact solution for high performance

XC10 are reliable and efficient panels for fire detection and extinguishing control. Thanks to the clear layout of the user interface, the panels are easy to operate. Thus, users can gain a complete system overview at a glance. An important feature for emergency situations. In addition, the XC10 portfolio with its sophisticated technology supports both single- and multi-sector applications. XC10 is also compatible with a wide range of fire detectors as well as special detectors and extinguishing solutions.

### ■ Efficient panels with strong advantages

Whatever your requirements, XC10 offers the right control panel: XC1001-A is ideal for single-sector applications in small to medium installations, XC1005-A for single-sector applications in medium to large installations and XC1003-A for multi-sector applications.

### ■ Maximum safety thanks to advanced features

XC10 fulfills all fire safety needs in one compact panel. In the event of a fire, reliable collective and conventional fire detectors quickly identify the fire phenomena. The control panels process all system signals and immediately trigger the alarming devices as well as the extinguishing process. They thus enable fast, safe and automated intervention. XC10 panels also control and monitor important connected peripheral devices such as system release, loss of agent, door control, ventilation control, remote transmission and many more – for maximum safety in case of an emergency.

You can connect XC10 with Sinorix extinguishing solutions based on natural and chemical agents, gas/water-combined as well as water mist solutions. This makes the control panels highly flexible in use and the ideal choice for applications ranging from IT rooms, data centers, generators, transformers, turbines, control rooms, clean rooms, cable ducts, storage rooms to libraries, archives and museums – whether the installations are simple or complex.

For evaluation reasons, up to 512 events – such as alarms, releases, faults, disablements and tests, acknowledgements or resets – can be logged in an event memory. Configuration and event data can be additionally archived for professional reasons. This facilitates identifying the origin of an event, which is highly important especially for insurance matters.

### ■ Easily protecting even large and complex applications

You can benefit from our comprehensive application experience when it comes to the protection of different sectors. The technology of our advanced panels XC1003-A makes them a cost-efficient choice for multi-sector applications with up to 16 flooding zones. Only one extinguishing cylinder battery is needed to protect several sectors. This makes XC1003-A a space- and cost-saving solution, as you need less extinguishing cylinders than with conventional extinguishing systems. The panels required to protect different sectors can be installed together in one central cabinet. Thus, you can comfortably control the entire system from one location.



### ■ Increasing safety with clear and simple operation

All our XC10 control panels feature a clearly structured user interface that allows safe and intuitive operation. The fact that each panel of the XC10 family has the same operating concept additionally supports ease of operation – because if you know how to operate one panel, you know how to operate them all. This means that your safety personnel needs less training, even if they have to operate different members of our XC10 panel family.

You can enhance safety even further with our additional repeater terminals. They allow quick access to system information and immediate operation away from the main panel. Up to 16 remote terminals can for example be installed close to a flooding zone while the XC10 panels are centralized in your control room. Your advantage? Time savings, as your operator does not have to walk all the way to the main panel to check the system status. And increased safety, as he can immediately initiate appropriate action in case of an emergency at the repeater terminal closest to him.

### ■ Investment protection through an intelligent integration concept

Our advanced fire detection and extinguishing control panels XC10 are a smart choice that protect your investment. Because XC10 can also be easily integrated into larger fire safety systems such as Sinteso.

An integration with Sinteso means that you can benefit from a reliable fire detection and extinguishing control management as well as from an overall danger management. Simply connect XC10 with networkable Sinteso control panels, which can themselves be integrated into the Danger Management System from Siemens. This allows you to centrally control and monitor your complete fire safety solution.

## Highlights

- Maximum safety in case of an emergency – panels monitor and control all connected devices
- Quick and reliable identification of event origin – due to event memory and archive for configuration and event data
- Intuitive operation even in stressful situations – thanks to a clear user interface and a uniform operating concept
- System access and immediate operation away from main panel – with our repeater terminals
- Complete, tailored fire safety solution from one source – through intelligent integration with Sinteso and combination with Sinorix



Ideal solutions for comprehensive fire safety: reliable fire detection with Sinteso and efficient extinguishing with Sinorix.

# Increased fire safety through integration

Integrating XC10 into a larger fire safety solution offers numerous advantages. You benefit from uniform operation, a single fire brigade access point and a wide range of detectors. With our state-of-the-art fire detection system Sinteso and our intelligent Sinorix extinguishing solutions, you receive everything you need for comprehensive fire safety from one source – Siemens.

## ■ Sinteso – the new dimension in fire protection

Our complete fire safety system Sinteso comprises reliable detectors and panels that match perfectly with XC10. The advanced technology guarantees optimum interaction between all components. Sinteso can be easily adapted to any future changes, which makes it a future-proof solution.

## ■ Everything in view – for fast and safe intervention

Quick and correct reaction is vital in case of an event. When integrating XC10 into the fire safety system Sinteso, all essential information is clearly displayed on the Sinteso control panels. This enables the fire brigade, for example, to identify the location of an event quickly and easily. Additional loop-powered fire terminals display the same information as the control panels. As a result, intervention can be faster and safer. This means optimum protection – even for extensive building complexes.

## ■ Reliable detection – free from deception

Our wide range of addressable fire detectors with our unique *ASATECHNOLOGY™* sets new standards. The detectors' parameters can be customized to the types of fire and deceptive phenomena expected, making them an ideal choice for the sophisticated applications of XC10. For clean rooms, for example, you can use Sinteso S-LINE smoke detectors and aspirating smoke detectors. Our Sinteso S-LINE detectors offer such unsurpassed detection reliability that we stand by it with our Genuine Alarm Guarantee.

## ■ Sinorix – intelligent extinguishing solutions to keep fire virtual

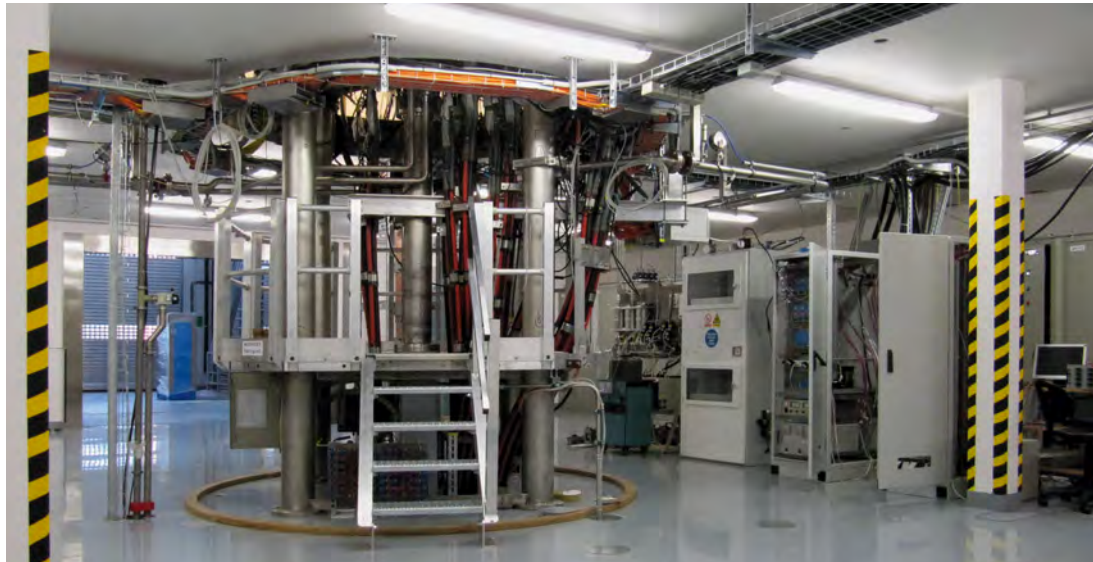
Backed by decades of know-how and expertise in fire safety, Sinorix offers the latest technologies. The advanced extinguishing solutions are based on natural and chemical extinguishing agents, gas/water-combined as well as water mist solutions for room and object protection. All our solutions can be flexibly tailored to your specific application, risk of fire as well as to your local requirements and regulations. And it's a matter of course that all our Sinorix extinguishing solutions are fast, safe and environmentally friendly.

## ■ Individually tailored services

Our products and systems are highly flexible, and so is our Advantage Services offering. Whether life cycle management, expert consulting, maintenance or other services – we precisely meet your needs.

## Highlights

- Integration with Sinteso – access to networkable panels, reliable and deception-free detectors as well as a broad range of peripheral devices
- Connection to Sinorix – a comprehensive portfolio of extinguishing solutions for a wide range of applications
- Individually tailored services – at consistently high quality around the world



Protection of data servers and cable ducts: XC10 provides combined fire detection and extinguishing control at the Institute of Plasma Physics, Academy of Sciences, Czech Republic.

#### Extinguishing panel standard XC1001-A



XC1001-A is a single-sector panel for small to medium installations – such as object protection. It can be used for one flooding zone.

#### Extinguishing panel comfort XC1005-A



XC1005-A is a single-sector panel for medium to large installations, offering a robust construction. It has a high battery back-up time and offers a display for the remaining warning time. XC1005-A can be used for one flooding zone.

#### Extinguishing panel rack XC1003-A



XC1003-A is a multi-sector panel for medium to large installations and up to 16 flooding zones (one panel per sector required, additional modules needed). As one extinguishing cylinder battery can be used for more than one sector, less cylinders are needed than with conventional systems.

#### Repeater display XT1001-A1, repeater terminal XT1002-A1



The repeater display and terminal give a quick system overview and the repeater terminal additionally enables immediate operation away from the main terminal. Up to 16 displays and terminals can be installed on the same line and mounted close to the flooding zone.

#### Sinteso fire safety system



Sinteso comprises everything needed for comprehensive and highly reliable fire detection. Integrating XC10 with Sinteso not only ensures best possible fire protection, but also enables you to connect XC10 with a danger management system. With the Danger Management Station from Siemens, security personnel can operate the whole system from a central location.

#### Sinorix extinguishing solutions



Sinorix extinguishing solutions are exactly tailored to your specific application and risk of fire. Connecting XC10 with Sinorix opens the door to cost-efficient and space-saving system designs as well as fast, safe and environmentally friendly extinguishing solutions.

#### Advantage Services



With our Advantage Services, we help you protect your investment throughout the entire life cycle of your building. Our services include system maintenance, service agreements and modernization, detector revision or detector recycling, the Door-Fan-Test or pressurized cylinder re-approval and more.

# Answers for infrastructure.

## ■ Megatrends driving the future

The megatrends – demographic change, urbanization, climate change and globalization – are shaping the world today. These have an unprecedented impact on our lives and on vital sectors of our economy.

## ■ Innovative technologies to answer the associated toughest questions

Throughout a 160-year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry and infrastructure – globally and locally.

## ■ Increase productivity and efficiency through complete building life cycle management

Building Technologies offers intelligent integrated solutions for industry, commercial and residential buildings and public infrastructure. Over the entire facility's life cycle, our comprehensive and environmentally conscious portfolio of products, systems, solutions and services for low voltage power distribution and electrical installation technology, building automation, fire safety and security, ensures the:

- optimum comfort and highest energy efficiency in buildings,
- safety and security for people, processes and assets,
- increased business productivity.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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