

FIRE SAFE FOR LIFE

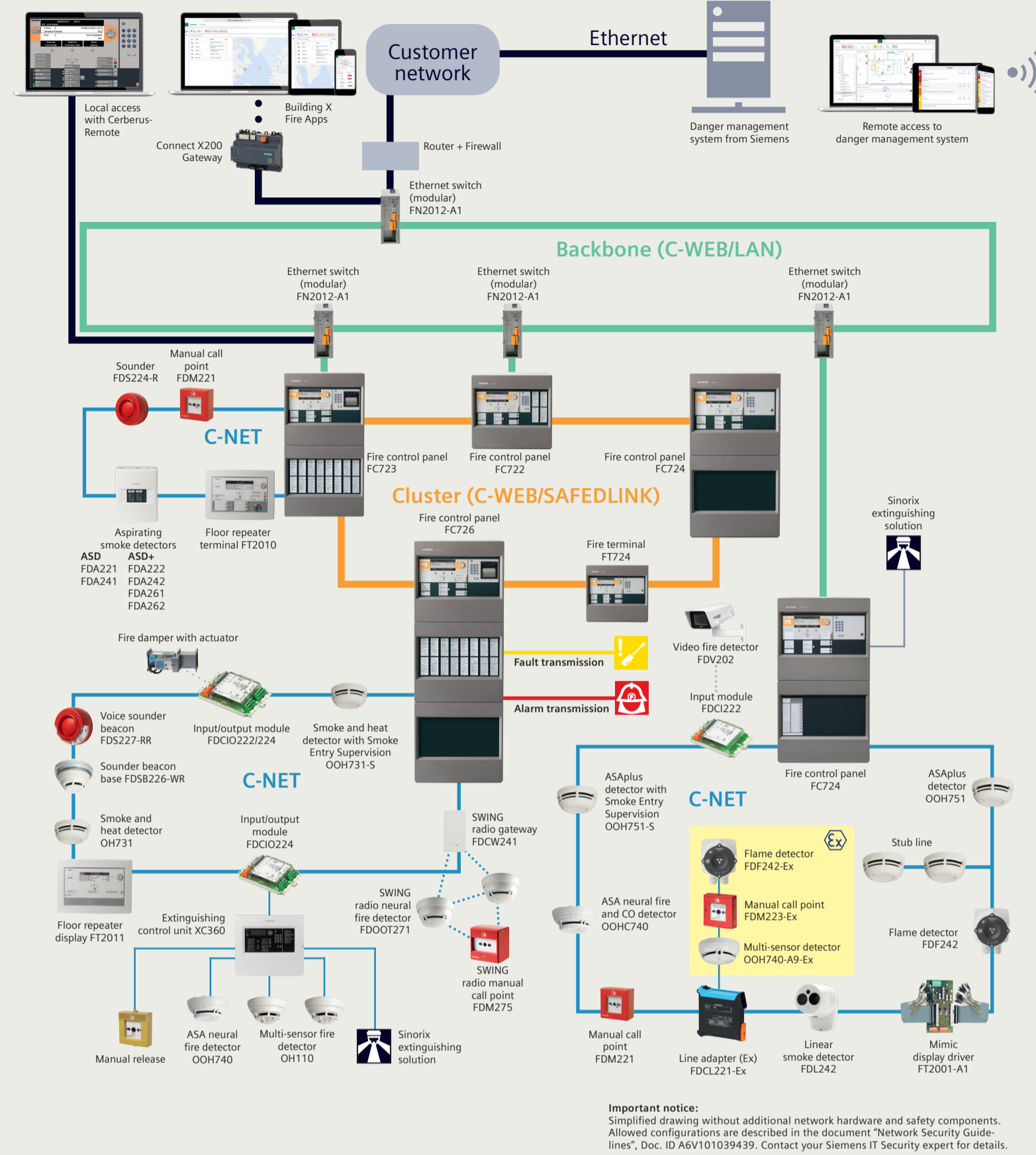
Cerberus PRO C-Net devices and digital offering

Planning Tool

Cerberus PRO – Fire safe for life

Stay ahead with protection that thinks ahead. Cerberus is an IoT-enabled system that unifies advanced detection and smart peripheral devices in one connected platform – delivering real-time insights and remote access anytime, anywhere via Building X Fire Apps. Safety runs quietly in the background – intuitive, effortless, and always ready - so you can focus on what drives your business forward.

The overview below highlights the most important components.



Building X Fire Apps: Digitalized Fire Safety for you

Building X Fire Apps optimizes critical fire safety workflows throughout the entire building lifecycle, enhancing both performance and efficiency. While Fire Install supports efficient wiring, installation, and commissioning, Building X Fire Connect keeps users connected to their system through remote access, providing real-time insights and notifications in case of critical events. The optional Standard Commanding add-on enables users to securely respond to events via mobile devices, successfully managing time-critical situations, such as fire alarms, while facilitating routine operations. Fire Manager streamlines maintenance activities and allows remote situation management. Through the Fire API, customers can enhance their own applications with data from connected installations. The Building X platform delivers a seamless user experience with consistent data flow across all applications.



Easy Planning

Make Bidding easier than ever

Fire System Builder

Planning of system, peripherals, network and cloud

- Product and panel selector for fire control panels
- Loop, battery calculation network and cloud planning
- Create project documentation
- Easy data export into Building X Fire Install to get project started

Digitized Core

Get a Fire system up and running faster

Building X Fire Install (Web & mobile App)

Efficient installation and commissioning without errors

- Eliminate manual work, save expert time
- Scan to link a device to location on floor plan, speeding up programming later
- Real-time remote monitoring & collaboration
- Easier project management & quality control

Fire Field Assist (works with Fire Install App)

Easy and efficient line testing

- Line testing and debugging during installation
- Set detectors to mimic mode to simplify detector exchange during modernization
- Update detector firmware

Online Maintenance & Operation

Efficiently maintain, operate, manage & optimize a fleet of sites

Building X Fire Connect App

Stay connected with your Fire safety site

- Biometric login
- Site status, Live & history events
- Customizable push notification
- React to events and perform day to day operations with geofencing

Building X Fire Manager

Remote Fire Safety Management

- Multisite overview with site status
- Live & history events
- Managed Email & SMS notification
- Remote access (tunnel)
- Efficient maintenance & reporting
- Device condition management
- With Disturbance-free test data: Ensure testing and compliance without disturbing customers

Building X Fire API

Enrich your own App with real-time data

Cerberus Nova detectors: Application Areas and Configuration

Cerberus Nova ASApplus: OOH751 & OOH751-S						
High Suppression (PS8)	Suppression (PS5)	Robust (PS2)	Balanced (PS4)	Fast Response (PS6)	High Sensitive Fast (PS9)	Super Sensitive (PS11)
<p>Application area</p> <p>For operating conditions susceptible to heavy optical deceptive phenomena. Examples include dance floors in discotheques (deceptive phenomena: dry ice) or churches during special services (deceptive phenomena: frankincense).</p>	<p>Application area</p> <p>Difficult environments subject to heavy deceptive phenomena. Application examples include canteen kitchens or manufacturing areas with operational-related deceptive aerosols.</p>	<p>Application area</p> <p>Difficult environmental conditions with moderate deceptive phenomena and risks to individuals. Additionally, applications with deposits resulting from excessive dust or dirt over a long time period. Here, optical detectors usually reach their limit quickly, resulting in a reduced operational lifetime.</p>	<p>Application area</p> <p>Standard applications. Rooms with moderate deceptive phenomena.</p>	<p>Application area</p> <p>Rooms in which sensitive and quick detection is essential such as rooms with high ceilings, warehouses with flammable material (increased risk of fire) and application areas where the detectors trigger an extinguishing system.</p>	<p>Application area</p> <p>Rooms in which an especially high sensitivity to smoldering and open fires is required. Examples include museums with high ceilings, clean production halls or applications where adequate life protection can only be ensured by the fastest possible detection. Due to special thermal algorithms, usage at low temperatures is also possible.</p>	<p>Application area</p> <p>Applications in clean environments like data centers or clean rooms, where the fastest and most sensitive detection of smoldering and open fires is required to ensure business continuity.</p>
<p>Application examples</p> <p>Multi-purpose halls, theater stages, churches, dance floors in discotheques</p>	<p>Application examples</p> <p>Canteen kitchens, production areas with operational-related deceptive phenomena</p>	<p>Application examples</p> <p>Event locations, conference rooms, smoking rooms, gastronomy, industry, production, underground garages. Paper mills, carpenter's workshops, textile production, recycling plants.</p>	<p>Application examples</p> <p>Offices, open-plan offices, hallways, hotel rooms, out of hours use in harsh environment areas</p>	<p>Application examples</p> <p>High-ceilinged rooms, storage rooms/warehouses with flammable material, IT rooms and control of extinguishing systems</p>	<p>Application examples</p> <p>Hospital rooms, museums, operating rooms, cold storage, high-ceilinged rooms, when highly sensitive detection is of great importance</p>	<p>Application examples</p> <p>Clean rooms, data centers, museums, hospital rooms, operating rooms, cold storage, high-ceilinged rooms, when highly sensitive detection is of great importance</p>
Complies with the norm: EN 54-7, EN 54-29	Complies with the norm: EN 54-7, EN 54-29	Complies with the norm: EN 54-7, EN 54-29	Complies with the norm: EN 54-7, EN 54-29	Complies with the norm: EN 54-7, EN 54-29	Complies with the norm: EN 54-7, EN 54-29	Complies with the norm: EN 54-7
<p>Expert advice</p> <p>"High Suppression" has clear advantages over traditional concepts where smoke detection is turned off completely and replaced by thermal detection during events where dry ice is used. This parameter set allows much faster detection than switching to purely thermal detection. This enhances safety at critical times where visibility is reduced and large numbers of people are in attendance.</p>		<p>Standard (PS1)</p>	<p>Standard Plus (PS2)</p>	<p>Expert advice</p> <p>The high thermal influence from open fires transports the dark smoke particles that are typical for this kind of fire quickly to the ceiling. Due to the backward scattering and the "Fast Response" setting, the detector is sensitive. This makes the detector a perfect replacement in situations where ionization detectors would normally have been considered optimal.</p>		
<p>Cerberus Nova: OH731 & OH731-S</p>						

ASApplus technology

ASApplus technology combines three infrared sensors and one blue sensor to enable multi-angle, multi-wavelength detection – delivering superior differentiation of genuine fire signatures while significantly reducing false alarms. It intelligently filters out deceptive phenomena such as steam, dust, or cigarette smoke, without compromising detection speed or reliability.

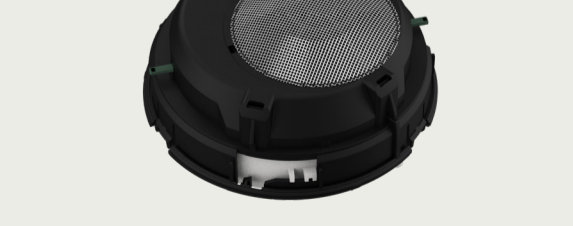


Smoke Entry Supervision (SES)

SES is a dual-layer safety functionality, ensuring that smoke can reliably reach the detection chamber.

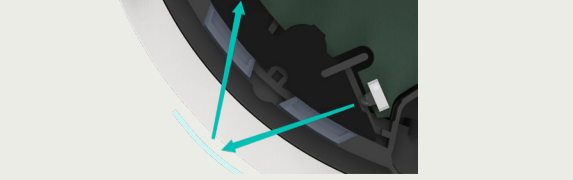
SES: Grid Supervision

Continuously monitors the insect grid for soiling using infrared light which passing through it. Triggers a maintenance alert before detection reliability is affected by soiling.



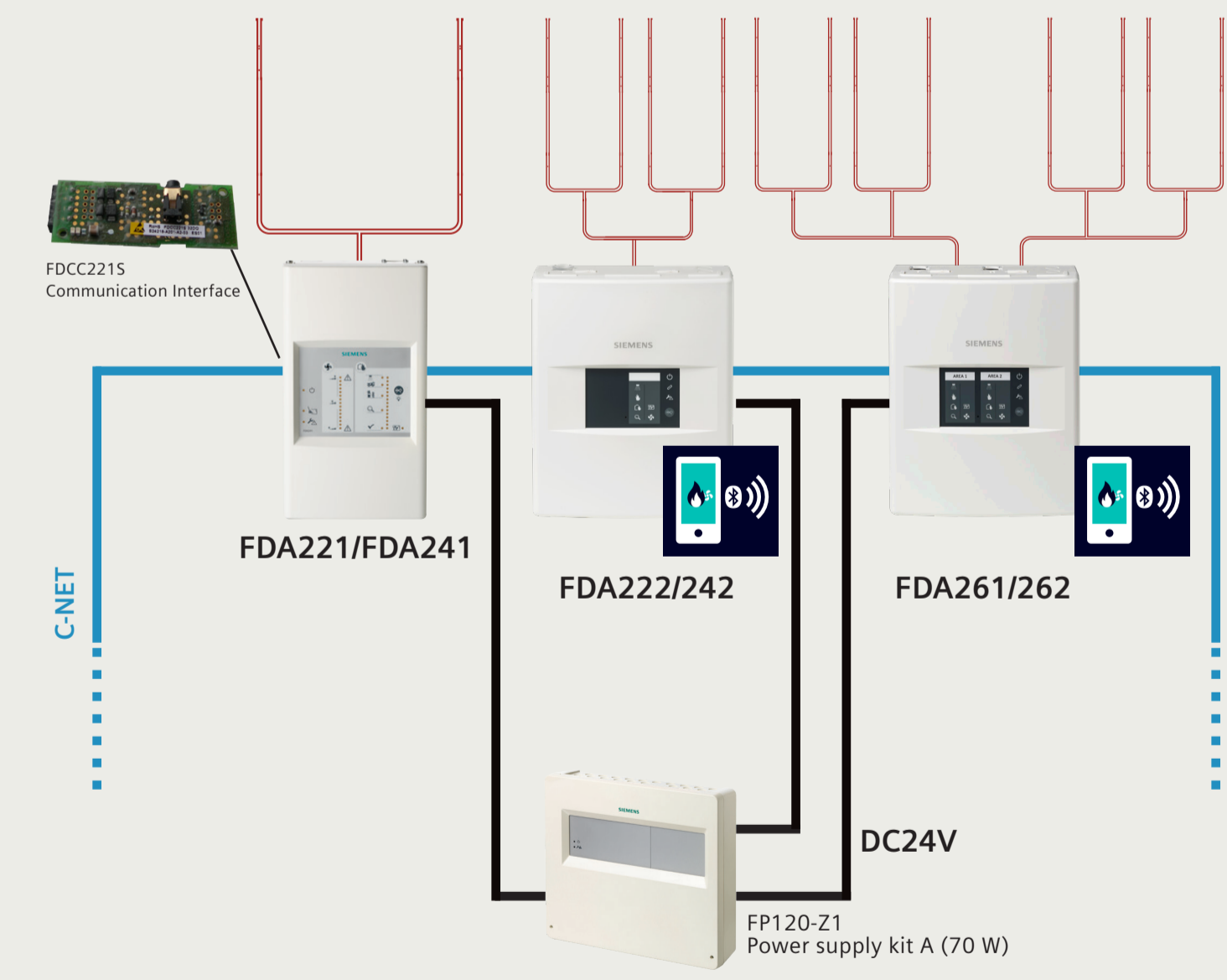
SES: Cover Detection

Continuously monitors for coverings using infrared reflection and triggers a maintenance alert if coverage is detected, such as from a leftover cap.



Aspirating smoke detection

The aspirating smoke detector continually samples air from the monitored room using a connected pipe system with defined aspirating holes. The position and size of the aspirating holes are calculated with the "FXS2056 ASD Asyst tool V3" software. Commissioning for the ASD+ devices is done via ASD+ Connect mobile app.



	ASD FDA221	ASD FDA241	ASD+ FDA222	ASD+ FDA242	ASD+ FDA261	ASD+ FDA262
Pipe length (linear)	30 m	60 m	100 m	150 m	2x 150 m	2x 250 m
Pipe length (branched)	50 m	120 m	200 m	400 m	800 m	1200 m
Area coverage	500 m ²	800 m ²	1600 m ²	3000 m ²	3600 m ²	6700 m ²
No. pipe inlets & detection chambers	1	1	1	1	2	2
Detection range	0,20 – 20%/m	0,05 – 20%/m	0,004 – 20%/m	0,003 – 20%/m	0,004 – 20%/m	0,003 – 20%/m

Smart infrastructure intelligently connects energy systems, buildings and industries to adapt and evolve the way we live and work.
 We work together with customers and partners to create an ecosystem that intuitively responds to the needs of people and helps customers to better use resources.
 It helps our customers to thrive, communiters to progress and supports sustainable development.
 Creating environments that care.
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