



EcoStruxure™ Fire Expert

Your eyes on every site



se.com

Life Is On

Schneider
Electric

Securing people, properties, and assets is mission critical for business, making the reliability and effectiveness of fire detection systems paramount.

Get control



- Take control of all your fire detection systems
- Enjoy easy monitoring and managing online
- Access your sites anytime, anywhere

Get efficient



- Optimize efficiency in your business
- Realize time savings of up to 50%
- Get a single view of all your sites

Get value



- Less time-consuming operations
- Reduce business risks with situational awareness
- Increase productivity through cost savings during lifecycle

To enhance reliability and effective management in today's dynamic world of large and complex multi-site facilities, Schneider Electric offers an innovative online solution – EcoStruxure Fire Expert. With the EcoStruxure Fire Expert application, you can monitor and manage your Esmi Sense FDP fire detection systems from your PC, smartphone, or tablet, anytime, anywhere. This improves security, ensures business continuity, and drives operational efficiencies both today and in the future.



EcoStruxure™ Fire Expert

With EcoStruxure Fire Expert, securely access Esmi Sense FDP fire detection systems of any size and complexity for real time information, anytime, anywhere. Reduce business risks, disruptions and costs with informed decision-making and prompt action facilitated by situational awareness.

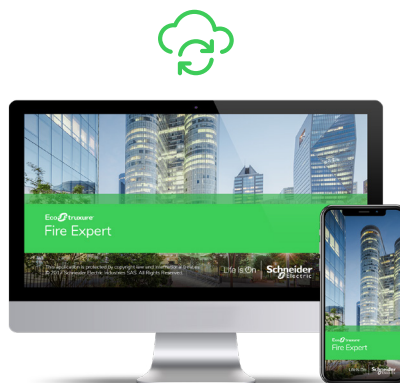
To use Fire Expert, you don't need to install any software. Its browser-based application is accessible with any connected computer, mobile phone or tablet. Connected fire detection systems send continual updates to Fire Expert, allowing you access to real-time information about the status of the systems. This communication over the web is secure and complies with Schneider Electric's encryption of data in transit and secure cipher guidelines. The inherent application security features, along with a multi-factor authentication login process, Schneider Electric is committed to protect your data, and prevent unauthorized access and security breaches.

Esmi Sense FDP Fire Detection System







EN54 functionality under certification

EcoStruxure Fire Expert



Remote Capabilities and Extended Intelligence

Users

-  Property owner
-  System Integrator
-  Service Provider
-  Facility manager

Schneider Electric's Cybersecurity and Data Protection Posture can be accessed on [se.com](https://www.se.com)

Features



Streamlined Commissioning and Testing

Remote configuration and management of fire system designs with automatic backup.

Reduce time and labor by conducting system tests and viewing results with a single on-site technician using mobile devices.

Download auto-generated test reports.

Prevent unexpected failures by proactively monitoring contamination levels of detectors.

✓ Realize time savings of up to 50%.



Remote Monitoring and Management

Maintain situational awareness with a centralized hub of real-time information of fire detection systems of any size, accessed remotely.

Improve first time fix rates with remote problem diagnosis.

Access audit trail of event logs.

Shift from reactive to proactive maintenance with data-driven insights.

✓ Drive operational efficiencies by prioritizing site visits, reducing travel time, and proactively planning maintenance.



Dynamic Visualization

Effortless site plan graphics creation with a built-in graphics editor.

Visualize the fire detection system in the context of building floor plans.

Make quick decisions with dynamic visualization of real-time fire elements status overlaid on floor plan.

Take actions at the source, with fire detection system controls enabled on the site plan.

✓ Enhance clarity and accelerate decision making.



Instant Alerts

Get instant alerts for priority and critical events sent directly to your mobile phone and email.

Customize notifications to receive only relevant alerts based on event types.

Early fire detection triggers effective evacuation procedures using real-time situational information.

✓ Be more vigilant.

Streamlined Commissioning and Testing

Simplified Configuration

EcoStruxure Fire Expert simplifies the design phase and enables efficient commissioning and testing of fire detection systems of any size and complexity.

Challenges: Configuring fire systems, especially in large and multi-site facilities, can be tedious and error prone. Keeping configurations up to date for users requires extensive collaboration, often involving connecting a laptop to each fire panel to send new or updated configurations,

Using EcoStruxure Fire Expert, configuration of Esmi Sense FDP panels is fast and simple. The cloud-based solution offers a guiding interface for easy configuration of the fire detection system and allows the fire system designs to be centrally managed. Users can configure any number of Esmi Sense FDP panels remotely and send the configurations online to the panel, minimizing mistakes and maximizing productivity.

Minimize mistakes

- **Access** the most up-to-date configurations from a browser-based application at anytime, anywhere.
- **Reduce** configuration mistakes using the guiding interface.
- **Calculate** the required battery capacity for any installed fire alarm system.

Maximize productivity

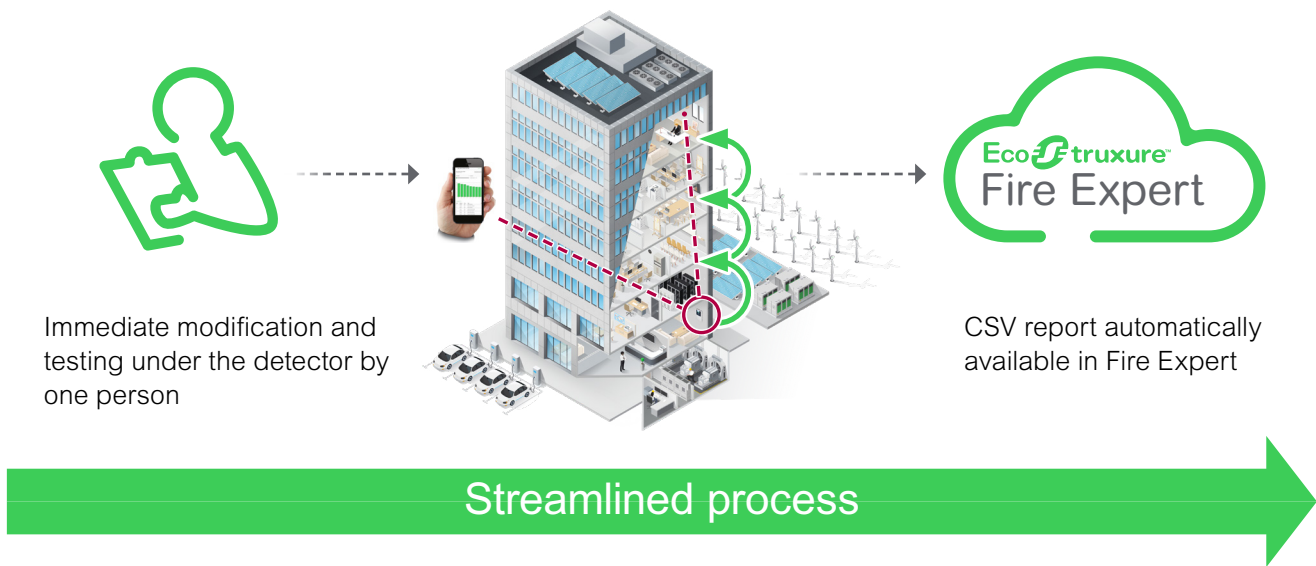
- **Remote** configuration and activation of Esmi Sense FDP panels.
- **Automatic** version control and backups of configuration files.
- **Centralized** management of fire system designs.

Configuration rights are required to make and edit configurations.
When internet is not available, USB-memory stick can be used to transfer configuration file to Esmi Sense FDP

Efficient Commissioning and Testing

Challenges: Traditionally, commissioning and testing has been labor intensive, normally requiring two service technicians on-site, one to create test alarms on the floors and the other monitoring the fire panel to ensure they come through. Notes taken to make changes and preparing test reports is a manual process.

EcoStruxure Fire Expert reduces the overall time and effort spent during commissioning and testing by leveraging a cloud solution. Using mobile devices, a single technician can conduct system tests, view results as displayed on the panel, and execute required modifications immediately on a centralized hub, driving operational efficiencies and realizing time savings of up to 50%.



1. Testing starts by activating the fire zone in test mode in EcoStruxure Fire Expert application.

2. Using mobile devices, single technician conducts testing on-site while standing under the detectors.

✓ **Testing possible with a single technician on-site**
Realize time savings of up to 50%

3. View testing results on mobile device as displayed on Esmi Sense FDP panel.

4. Add correction notes to EcoStruxure Fire Expert Event Wall.

✓ **Reduction of manual work and testing. Do more with less effort by leveraging digital tools.**

5. Test results are automatically available for download.

✓ **No need for manual test report preparation.**

Predictive Maintenance

Challenges: Fire alarm panels and detectors are prone to contamination, primarily due to the accumulation of dust and debris. As a result, panels may malfunction and detectors' sensor may become damaged, increasing safety risks.

EcoStruxure Fire Expert offers a unified dashboard to monitor contamination levels of panels and detectors. This prevents unexpected failures by helping to identify upcoming maintenance needs and schedule corrective maintenance. This in turn optimizes system performance and increases safety, safeguarding people, assets, and property.

- ✓ Efficient monitoring of contamination levels on the unified dashboard
- ✓ Prevent unexpected failures.



Remote Monitoring and Management

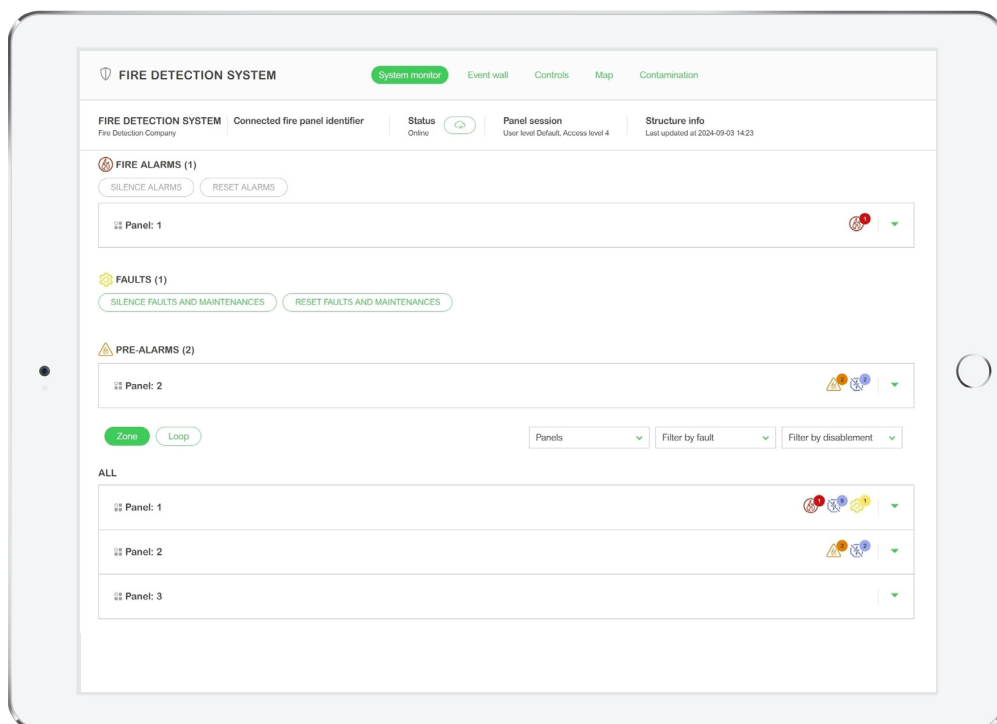
Remote Site Visit

EcoStruxure Fire Expert enables access to the fire detection system at any time, from anywhere, allowing remote monitoring and management of any size and complexity. This enables situational awareness in real-time allowing you to make data-driven business decisions and prompt responses which minimizes risk and reduces disruption and unwanted costs.

Challenges: It can be a pain to efficiently monitor and manage multiple sites without knowing the status of each site. Lacking up-to-date site information, multiple truck rolls to each site may be required to accurately diagnose issues. This in turn increases cost and effort.

EcoStruxure Fire Expert enables remote access to system information such as online/offline status, faults, maintenance warnings, disablements, pre-alarms, and delayed alarms for users thereby eliminating the need for physical presence. With the centralized hub of real-time and historical data for all connected sites, efficiently manage operations and maintenance activities by making data-driven decisions before a site visit.

- ✓ Save travel time and cost.
- ✓ Shift from reactive to proactive maintenance.
- ✓ Better site service planning.
- ✓ Allocate resources where needed.
- ✓ Increase first time fix rates.
- ✓ Centralized operation management in a multi-site environment.



Enhance Safety through Situational Awareness

Challenges: False alarms can result in unnecessary evacuations or emergency responses. This might prove to be costly for building owners and disruptive for occupants. Additionally, with repeated false alarms, occupants may begin to disregard them, leading to lack of response during actual emergencies.

EcoStruxure Fire Expert offers a centralized view of all connected sites, enabling users to investigate potentially hazardous situations during emergency alerts such as alarms and delayed alarms, and take timely actions before full activation of an alarm occurs.

- ✓ **Minimize unwanted false alarms, business disruption and cost.**
- ✓ **Take appropriate actions to save lives, prevent injury and minimize damage to property in the event of real fire.**

Event Wall

Challenges: Maintaining a record of events from all sites can be challenging and preparing monthly/annual service reports manually can be time-consuming and error prone.

EcoStruxure Fire Expert automatically maintains a comprehensive record of system events from all sites. Users can access the Event Wall to review historical events that have occurred. They can also add comments to provide additional details about what had occurred, improving the audit trail and reporting. Furthermore, it is possible to download time and date-stamped event data, if needed.

- ✓ **Improve system understanding.**
- ✓ **Bring transparency among stakeholders.**
- ✓ **Simplify maintenance activity reporting.**



Dynamic Visualization

EcoStruxure Fire Expert enables users to get the visual overview of fire detection systems in the context of building floor plans, thus simplifying the complexity. Users can also monitor the real-time status fire elements and take appropriate actions. This dynamic visualization brings users' attention to where it's needed, so that they can make better decisions and deal with issues quickly and efficiently.



Effortless Graphics Creation

Challenges: Comprehending the fire detection system can be particularly challenging in large, multi-site facilities. The need for programming, configuration, or trainings on any additional software installation to create graphics of your site plan can be a deterrent.

With in-built EcoStruxure Fire Expert graphics editor, you only upload a map/floor plan in svg, jpg or png format, then drag and drop fire elements on to the map according to their position in the installation, and your site plan graphics are ready. You can also add sub sites such as multiple floor plans to your site plan. This makes the visualization of fire detection systems in the context of building floor plans possible with minimum effort.

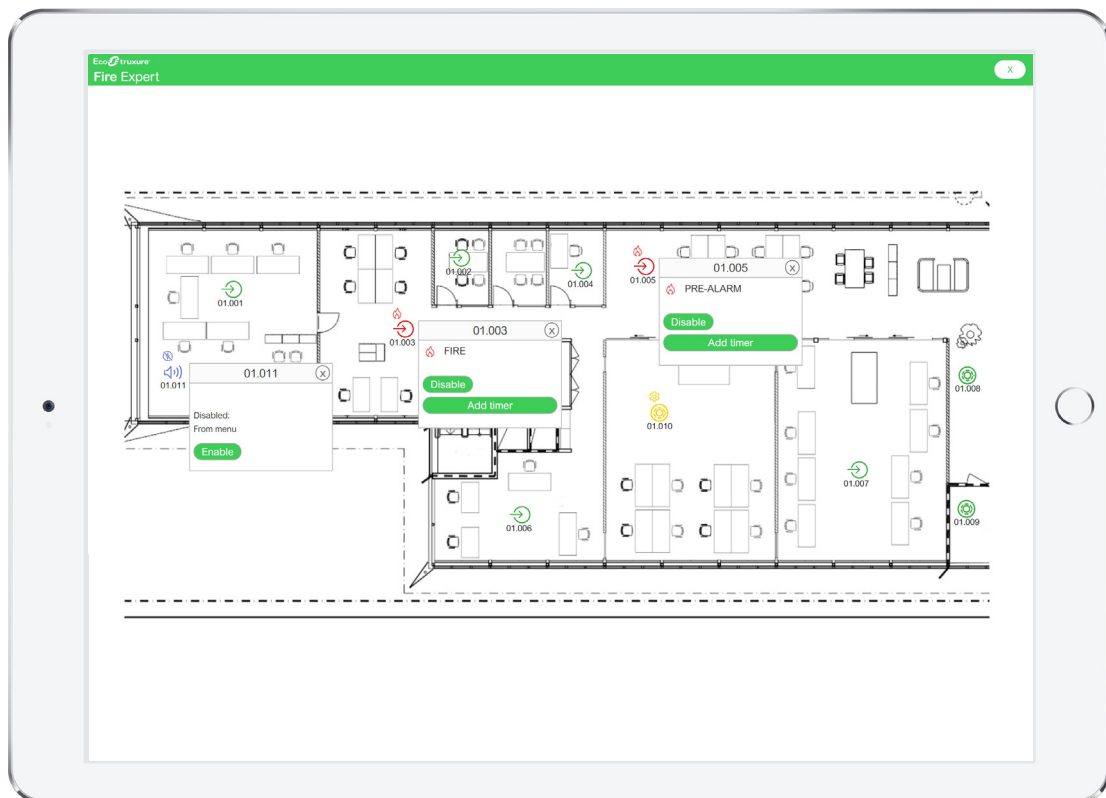
- ✓ Intuitive user interface to create graphics.
- ✓ Visual overview of complex fire detection system enhances clarity.

Visualize and Control

Challenges: It can be perplexing to monitor the status of the fire detection systems in large, multi-site facilities.

Visual overview of the fire detection system provided by EcoStruxure Fire Expert isn't static, rather it offers real-time status information such as alarms, delayed alarms, pre-alarms, faults, and disablements of the overlaid fire elements on the floor plan. Users can monitor the status of multiple elements on a floor plan simultaneously and can identify the location of events right away. Users can also control the fire elements such as enable and disable addresses, directly from the map (requires additional license). This dynamic visualization and control enhances situational awareness and enables quick decision making.

- ✓ Clear overview of fire system status.
- ✓ Improves monitoring.
- ✓ Facilitates quick decision making.
- ✓ Enables control of fire elements directly from the map.



Instant Alerts

EcoStruxure Fire Expert offers increased situational awareness by instantly alerting users of events which need attention and thus enables early action from anywhere. This allows you peace-of-mind that the fire detection system operates as intended, and that building occupants and the building itself are safeguarded.

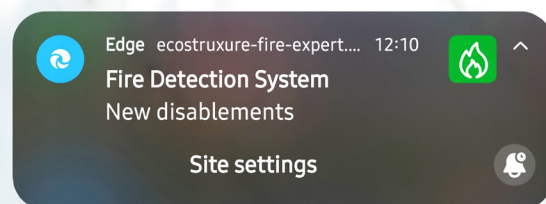
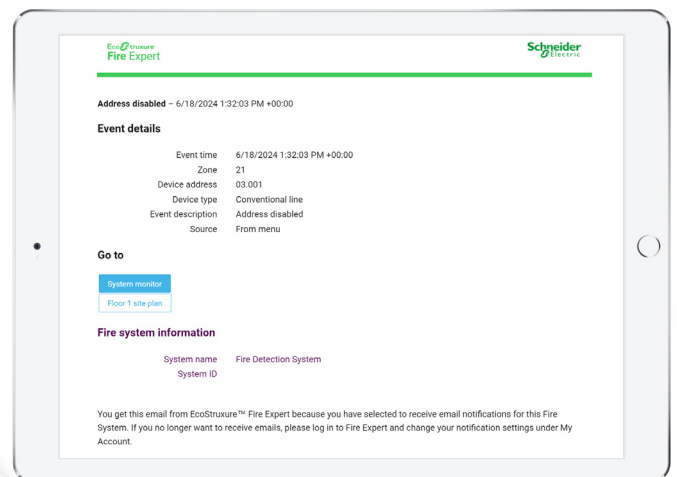
Higher Level of Safety with Effective Notifications

Challenges: Unfortunately, you cannot always be sure that all your fire systems are working without faults and disablements. Moreover, in the event of an emergency fire situation, it is pertinent that all stakeholders are immediately notified.

EcoStruxure Fire Expert gives you the option to receive real-time notifications from your fire detection systems in case of a pre-specified event such as if an alarm or disablement occurs and needs your attention. You can customize event alerts, so you receive only what is relevant to you. You will promptly receive push notifications to your mobile phone or email, as per your set preference.

Once alerted, you can immediately access details of the event in the Event Wall and take early action increasing the safety level of the facilities.

- ✓ Get instant alerts for priority events.
- ✓ Enables early actions from anywhere.
- ✓ Stay informed without being overwhelmed.
- ✓ Enhances vigilance and provides peace of mind.

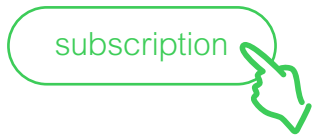


EcoStruxure™ Fire Expert Licenses

EcoStruxure Fire Expert offers subscription-based licensing with an annual billing cycle. You can choose the value you need when you need it, optimizing both your budget and operational efficiency. Our scalable subscription model adapts to your evolving needs both today and in the future.

- ✓ Each feature is licensed. Buy separately or combine with a previous license.
- ✓ Keep your system up to date with access to new software releases.
- ✓ With an active subscription license, get access to new features.

Product Number	Category	License
FFS00704002	Remote Monitoring and Management	EcoStruxure Fire Expert System View license
FFS00704003	Instant Alerts	EcoStruxure Fire Expert Push Notification license
FFS00704004	Streamlined Commissioning and Testing	EcoStruxure Fire Expert Commission & Testing Package license
FFS00704005	Maintenance	EcoStruxure Fire Expert Maintenance Package license
FFS00704006	Dynamic Visualization	EcoStruxure Fire Expert Orientation Map license



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