GUARD

Honeywell

FlexES Guard

- The intelligent safety and security management system

Eltek
Fire & Safety
by Honeywell


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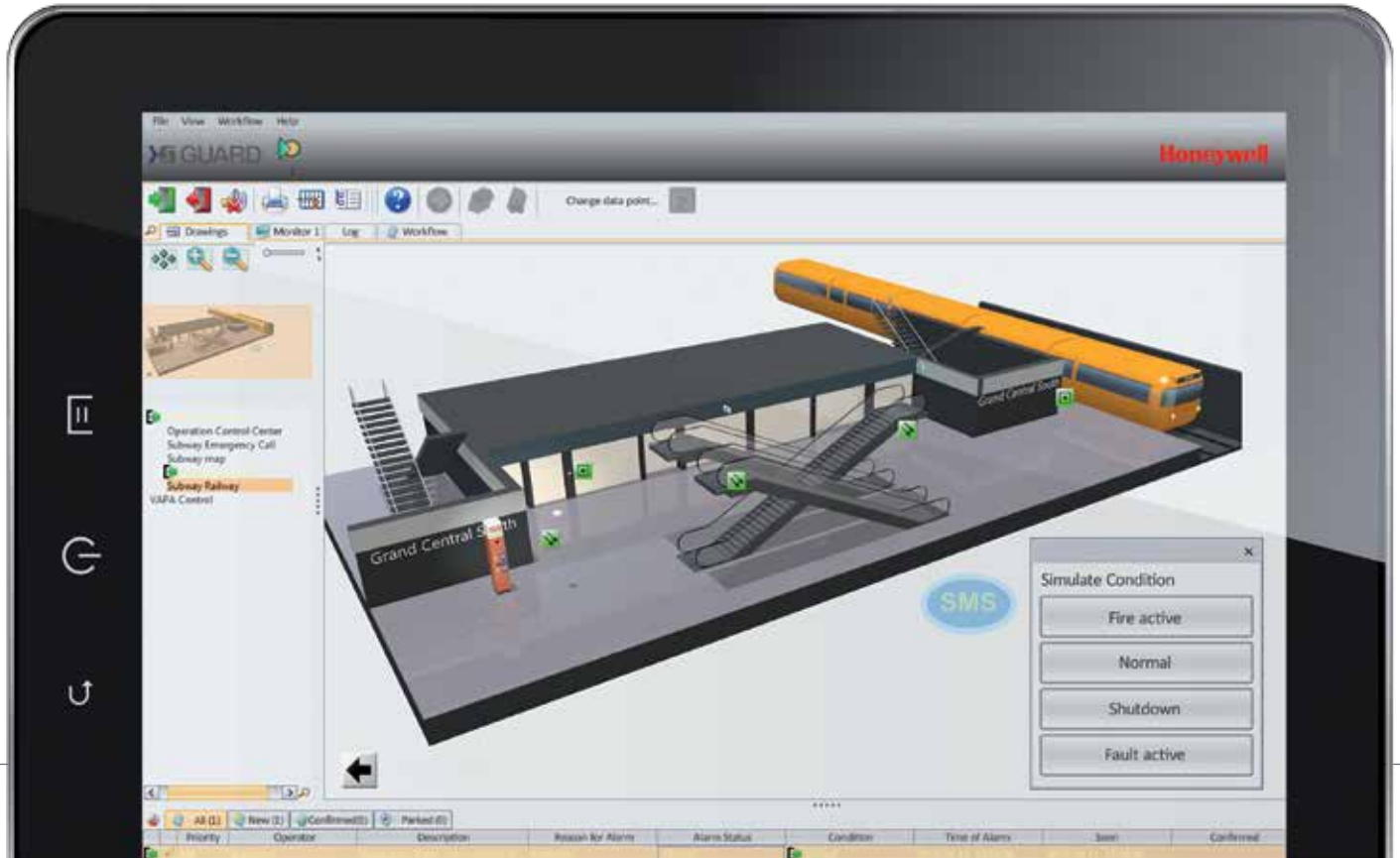
FlexES Guard turns information into intelligence

The flood of data we face today practically everywhere we turn is often too much to handle. We need filters to help us make sense of it. This is no less true for safety and security technology. When danger occurs, it's vital to respond with the right measures fast – even in the most complex systems – to protect people and property in the building or, if losses are inevitable, to limit the consequences as much as possible. The information necessary to evaluate the danger must be clear and available to the right people at the right time.

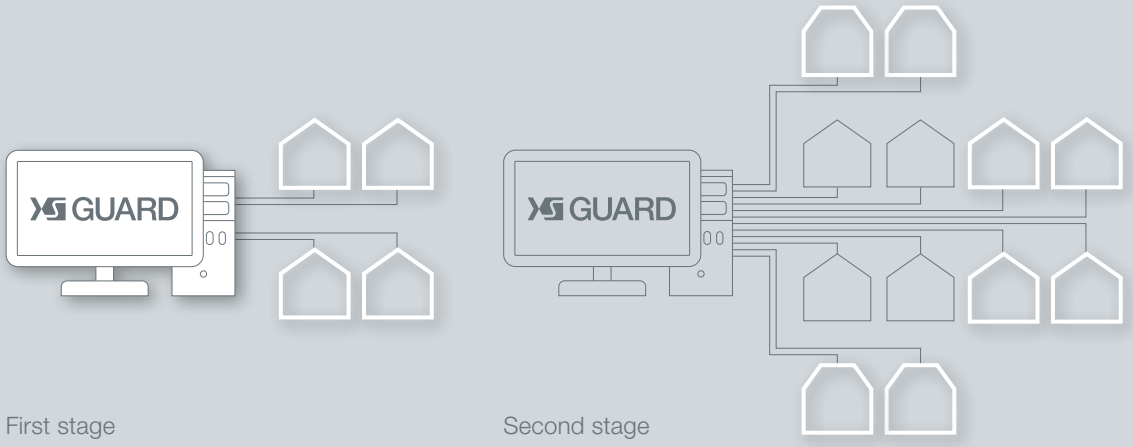
The FlexES Guard management system provides the key components. With its state-of-the-art software design it meets all the challenges of hazard management today. FlexES Guard features integrated interfaces for data recording, task-specific preparation of information, automation and a great variety of output channels for distributing information.

Welcome to Security 2.0

The newly developed software kernel of FlexES Guard is based on Java™, offering an ideal foundation for displaying messages on any platform. All data can be accessed from anywhere on various mobile end devices (such as PCs, tablets and smartphones). Integrated rights management allows views and functions tailored to users' individual needs. Client access via web browsers offers additional benefits. For example, if a multiple monitor view is desired, it offers each user the choice to run the client in the browser or with the desktop application. Automatic update functions ensure that all nodes on the network are kept synchronized. Furthermore, the full range of functions is available regardless of whether the program is run in the browser or on the desktop.



Progressive expansion of a building complex



First stage

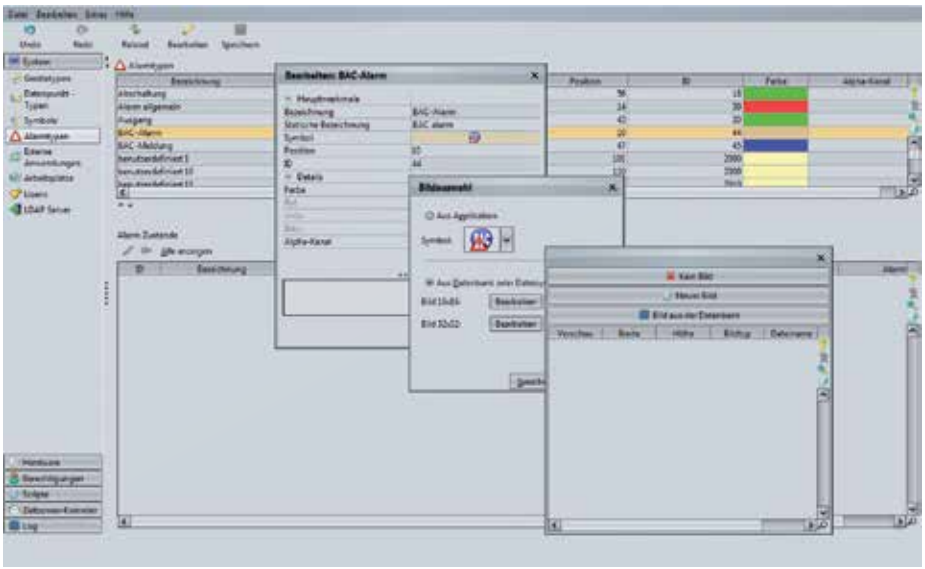
Second stage

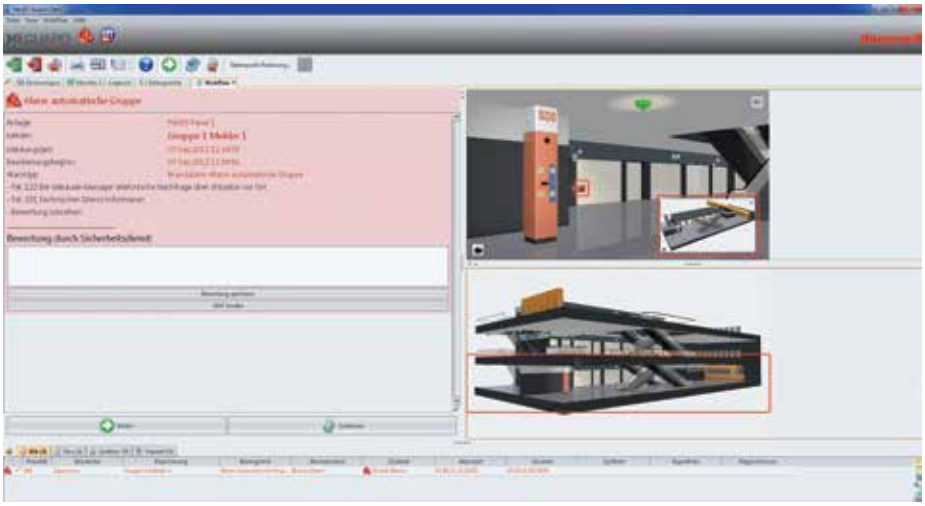
One system fits all: scalable to your needs

The flexible licensing of FlexES Guard allows the system to expand whenever your needs do. As the scope of a project increases, additions can be made to satisfy the new requirements precisely. The FlexES Guard licensing model enables cost-effective expansion through the entire range from small properties to the largest industrial premises.

And the FlexES Guard import and export functions provide further tools to facilitate operational startup.

The interfaces: from comprehensive integration to standard interfaces





In a management system, interfaces are key elements for integrating subsystems as well as data communication and alarm signaling. FlexES Guard provides a growing range of interfaces.

Standard interfaces include BACnet, OPC, ESPA and SNMP. This enables bidirectional integration with building control as well as process and automation technology, and data exchange with communication systems.

Built-in flexibility

One of the key tasks of hazard management is to provide relevant information when particular events occur. That‘s the only way to assess the situation properly and issue targeted instructions for organized action that follow the agreed protocols. Fully automated actions such as printing fire brigade routing cards can also be started this way, for example, in the event of fire.

FlexES Guard has a powerful engine for scripting and defining workflows. It can initiate and apply actions based on preinstalled standards as well as your own defined processes. The sequence controller for alarm processing receives these instructions and triggers the appropriate actions automatically. In the future, such workflows will be supported not only by the integrated program interface but by a graphical user interface as well. Simple tools enable a programmer to adapt FlexES Guard to your particular requirements.

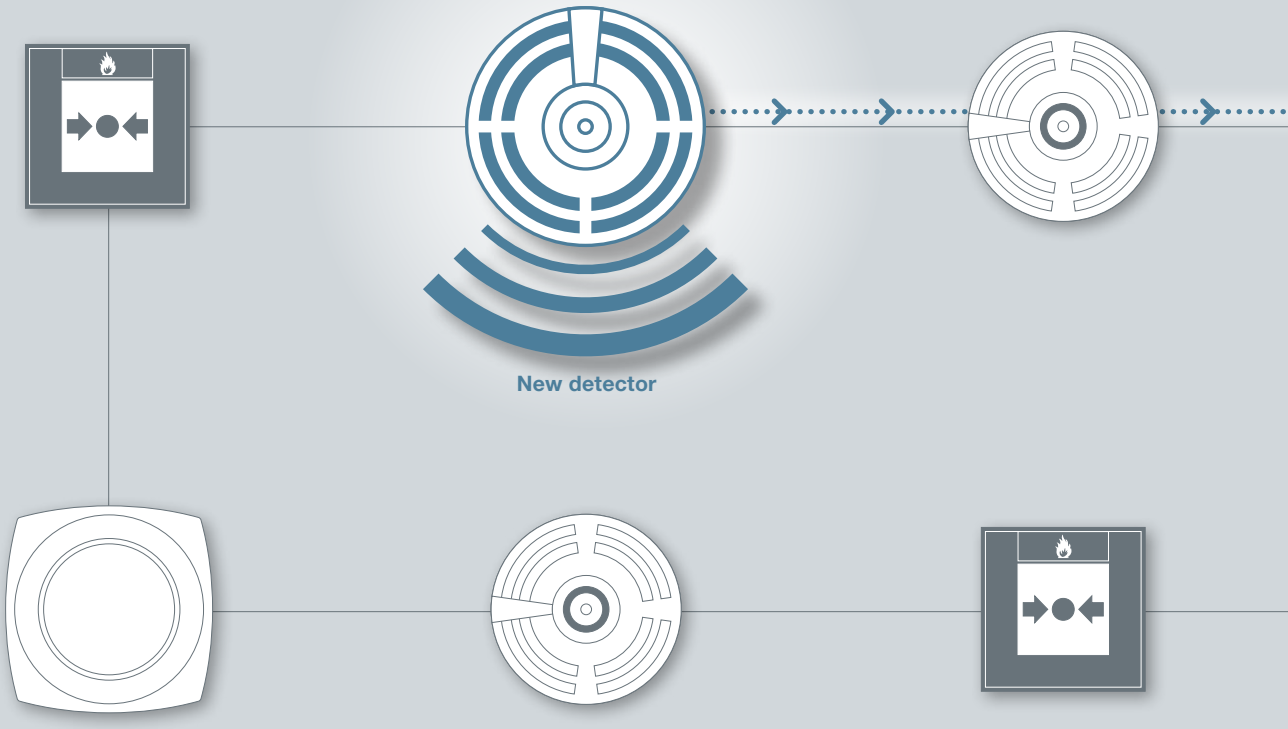
Service is our speciality!

Management systems deal with a huge range of project sizes, from small ones with one or two fire detection systems to large installations such as those in airports, industrial plants or office complexes with the full range of safety and security technology. FlexES Guard can provide effective assistance in all these scenarios to assess dangers quickly and take proper action. But we still see the planning requirements involved in each project as unique.

We provide system training at various levels to ensure successful implementation of FlexES Guard in projects to manage hazards. We also support our customers with advice and planning assistance as well as implementation and operational setup.

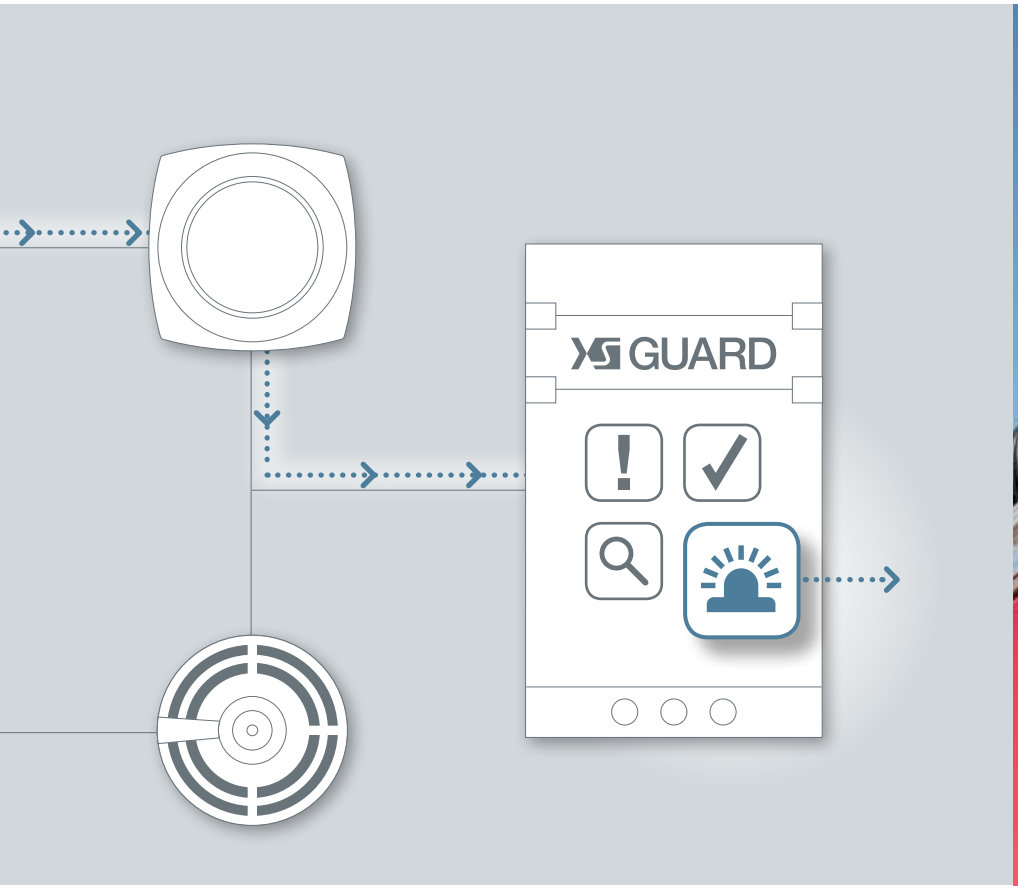
Dynamic data management – for greater security and availability

Automatic detection and evaluation of new system components



FlexES Guard is flexible enough to adapt to the requirements of existing IT environments. The system can be operated with the standard database included with delivery or with another SQL database on an Oracle or Microsoft SQL server, for example. The database to be used is simply specified during installation, and FlexES Guard is configured accordingly.

There are comprehensive functions available for import and export in ongoing operations. These enable entire databases (including application charts, detection points and log data) to be exported for backup. Or they can be imported to another FlexES Guard database, which allows projects to be combined easily.



If changes are made to the system, they are available online as soon as they have been saved in the database. Most changes do not require the system to be taken offline – a decisive advantage to increase availability of the system.

This is a big edge in reliability and security particularly when subsystems undergo changes. If, for example, new alarms or fire detectors are added to a system, FlexES Guard identifies and adds them automatically. If a new detector is triggered, FlexES Guard evaluates the information the new node has sent about the fire and executes the assigned alarm programs properly. All of this occurs fully automatically, with no additional configuration.

Central control console

Configuration module

Editing client

Administration and service with integrated remote access

The functions of FlexES Guard are organized in three software modules:

- **Central control console**
  This is the application the user works with.
- **Configuration module**
  All system administration is handled here, including user and rights management, drivers, data point management, licensing and client administration.
- **Editing client**
  This module is used to set up the application for the central control console. Graphics and detection points can be added and programs integrated here. The editing client allows configuration in every aspect for your specific requirements.

The separation of functions into these three modules means a clearly structured interface which allows you to access and control the individual functions simply and reliably. The well-organized display and intuitive operation are a real plus.

All the functions of the configuration module and editing client can also be used in standard web browsers such as Microsoft Internet Explorer or Mozilla Firefox. That means with FlexES Guard you can carry out all administration in a browser on a tablet PC or other device.

Less is more: flexible notification filters for simple operation

The FlexES Guard system not only offers all the options for hazard management but also supports your daily work routine, enabling semi- or even fully automatic handling of recurrent processes to be carried out with associated disciplines. What's more, FlexES Guard helps sort out information so you can keep an eye on the big picture; it can handle log data or detection point information, for example, and convert it to well-organized charts that can be exported. Then filters for users or views can be applied to show the key information each user needs.

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