



SIEMENS

Building Technologies

MM8000:
simple and secure
danger management.



Integration increases security!

The increasing danger potential for people and assets makes the need for better protection increasingly more relevant.

In many buildings, supplementary systems have been installed for security, communication and control purposes – and this will continue to be the case in the future. The more diverse and complex the risks get, the less appropriate isolated technical installations become. Integral security, however, is a great deal more than just the sum of the individual surveillance functions.

Individual solutions lead to higher operational and administrative costs.

A much more important factor, however, is that in an emergency situation it will be more difficult to maintain the necessary composure and the probability of human errors will increase.

As a result, the original intention of increasing the security standard may have exactly the opposite effect. In order to prevent this, integration of the different systems into a Danger Management System is essential.



MM8000: Danger Management Station for security professionals!

MM8000 is the «Safe & Easy Danger Management Station» designed by Siemens to provide centralized protection of people and assets. MM8000 meets today's necessity to integrate a wide range of local fire installations, local security installations and multi-disciplinary combinations.

Centralized surveillance and operation of the complete system, reduces operating and maintenance costs. At the same time, safety and security are increased thanks to the ergonomic graphic user interface of the system.

MM8000 displays alarms, messages and the current status of all connected systems in a uniform, clearly organized manner, according to security-relevant priorities. During event handling MM8000 directs the user through pre-defined procedures by means of action texts, intervention plans, graphics and other utilities.

Built on a modular architecture, the MM8000 offers you a cost-effective and scalable Danger Management System, which supports both individual and multiple stations. The application spectrum ranges from local configurations to geographically distributed installations.

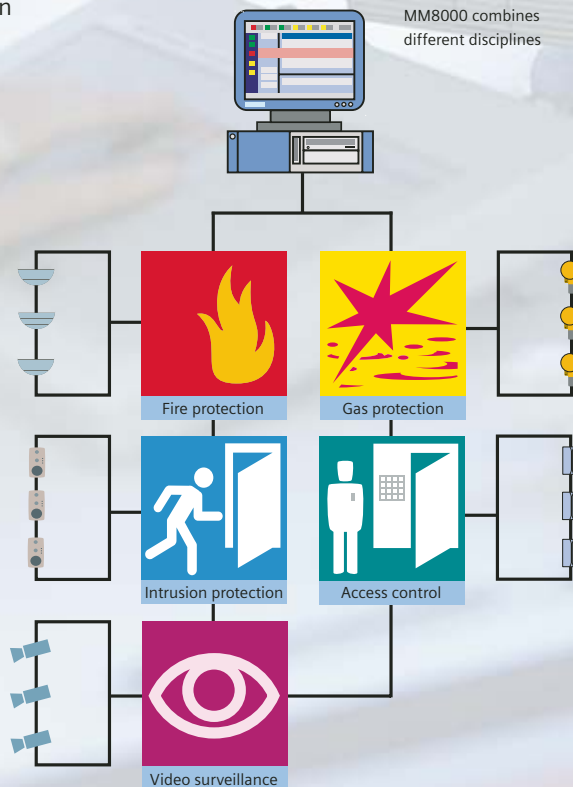
MM8000: state-of-the-art in Danger Management Stations

MM8000 combines the most modern technology with excellent user benefits:

- Fast, effective elimination of the danger
- Clear, error-free handling even in stressful situations thanks to easy, guided operation
- Prevention of delays through automated processes
- Short training period for operating staff
- Fast and easy configuration
- Open to third-party systems and function extensions
- From individual buildings to geographically separated building complexes
- Cost saving
- Investment security



MM8000 combines different disciplines



MM8000: creates clarity and overview.

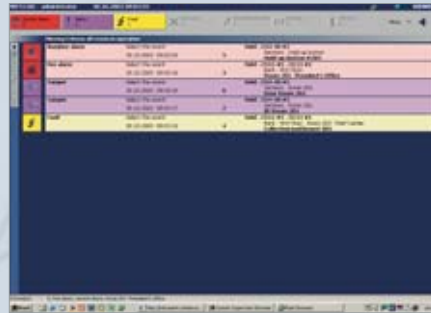
Overview in every situation

In traditional MS Office applications, the user is generally given a versatile menu with freely selectable options. In contrast, the MM8000 operating concept presents only those options that are applicable to the current situation, letting the user keep a cool head, even in stressful situations. Pre-defined operating procedures provide step-by-step access to the required detailed information.



Easy and clear event presentation

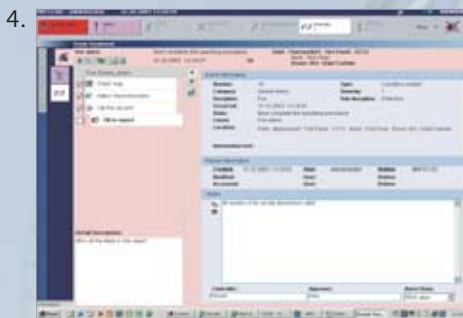
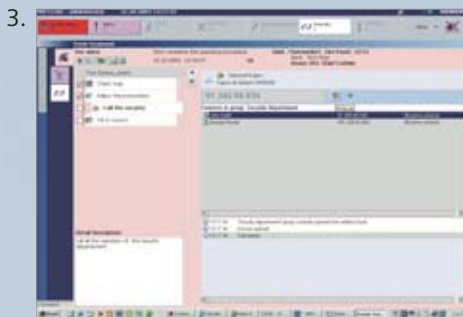
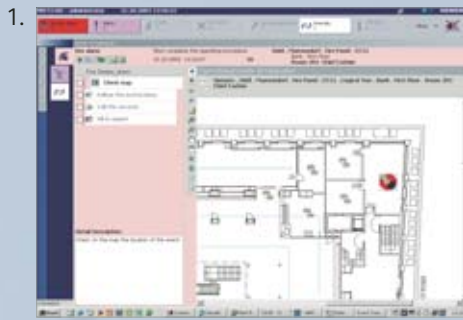
If an event occurs, the corresponding lamp is activated in the bar at the upper edge of the screen, the accompanying counter is incremented and an acoustic signal sounds. Additionally an entry is made in the event list, which is organized according to security priorities. The event list contains first important information and is the starting point for the event handling procedure.



Rapid and guided operation

During event handling, the MM8000 guides the user in the easiest possible way, through a pre-defined sequence of individual, logical steps. This prevents potential dangers from escalating to catastrophes. The MM8000 supports the user in making decisions and allows him to concentrate on the main steps.

Guided and clearly organized operation also means that the MM8000 only shows the relevant information at the appropriate moment. Command buttons are only available if they can be used. These buttons are coupled with the corresponding step of the handling procedure and are located in direct proximity to the relevant working area.



The correct action at the right moment

Different events require different actions. Therefore, the individual steps can be freely defined – specifically adapted to the requirements of the installation and its organization.

After selecting, for example, a fire alarm from the event list, the following steps and instructions could be typical:

1. The relevant part of the building plan is displayed to allow the source of the alarm to be located.
2. An instruction page (e.g. web page, PDF file or other MS Office format) presents information about the necessary intervention steps to be taken.
3. The fire department (or other organizations) can be notified manually or via an automatic dial-up connection.
4. The user fills in the relevant fields of a pre-defined event-report.

Easy navigation

If system overview is required or individual zones must be isolated, then the «Plant Browser» is the right tool. This provides an efficient means of navigation through the site or individual building to locate the required zone.

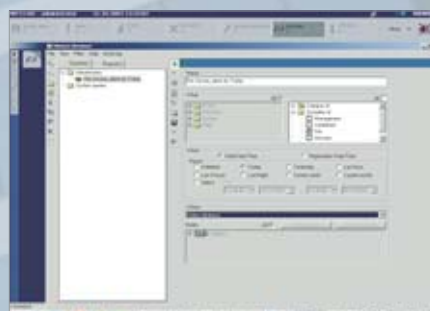
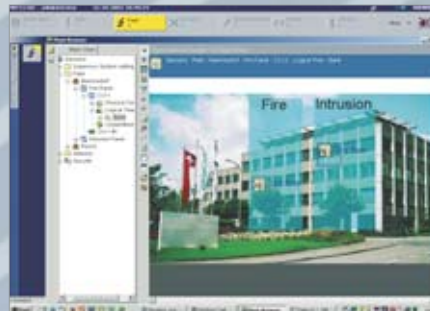
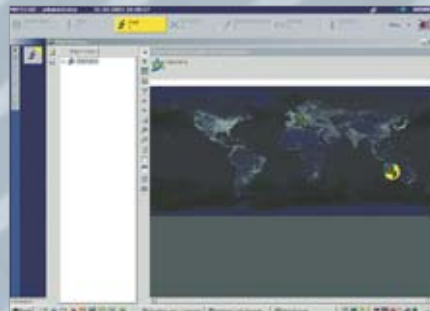
A building, floor, room or an individual object can be quickly located in the tree structure or in the graphic and the required operation can then be performed. The MM8000 makes it possible to adapt the system layout to individual needs and to show the specific organizational structure.

From overview to detail

A propagation mechanism also ensures a clear overview, as alarm states are propagated to a higher level and only these objects are displayed in the initial graphic. The unbeatable combination of graphic zoom and automatically revealed objects provides access to the information you require in the fastest possible way.

Automatic logging and simple report creation

All events and all user operations are logged in a history file. Individually defined reports can be created in seconds using simple database queries.



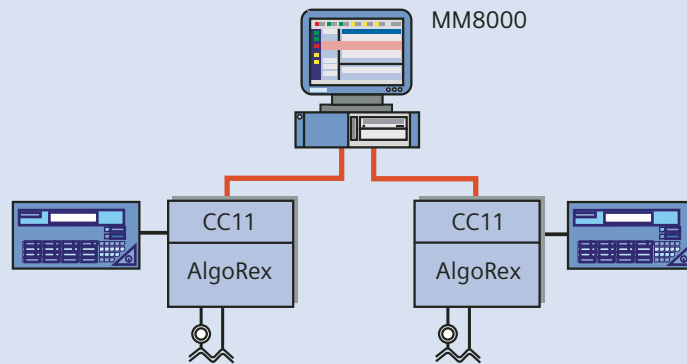
MM8000: flexible and adaptable.

MM8000 combines disciplines

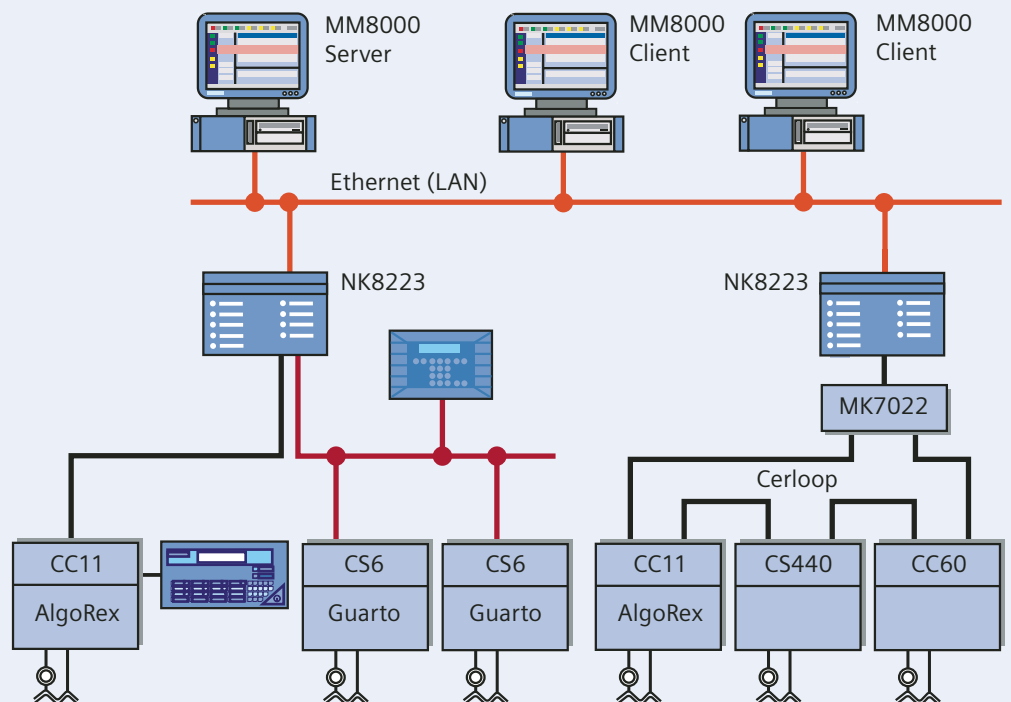
Both individual as well as different disciplines such as fire protection, intrusion protection, access control, video surveillance, gas protection etc. can be centrally monitored with the MM8000.

Even if the sub-systems are far apart, they can be easily integrated with LAN/WAN solutions. The direct connection to the reliable and secure Siemens bus and loop networks ensures easy migration from existing systems to MM8000.

Example for a compact, local application



Example for a LAN application

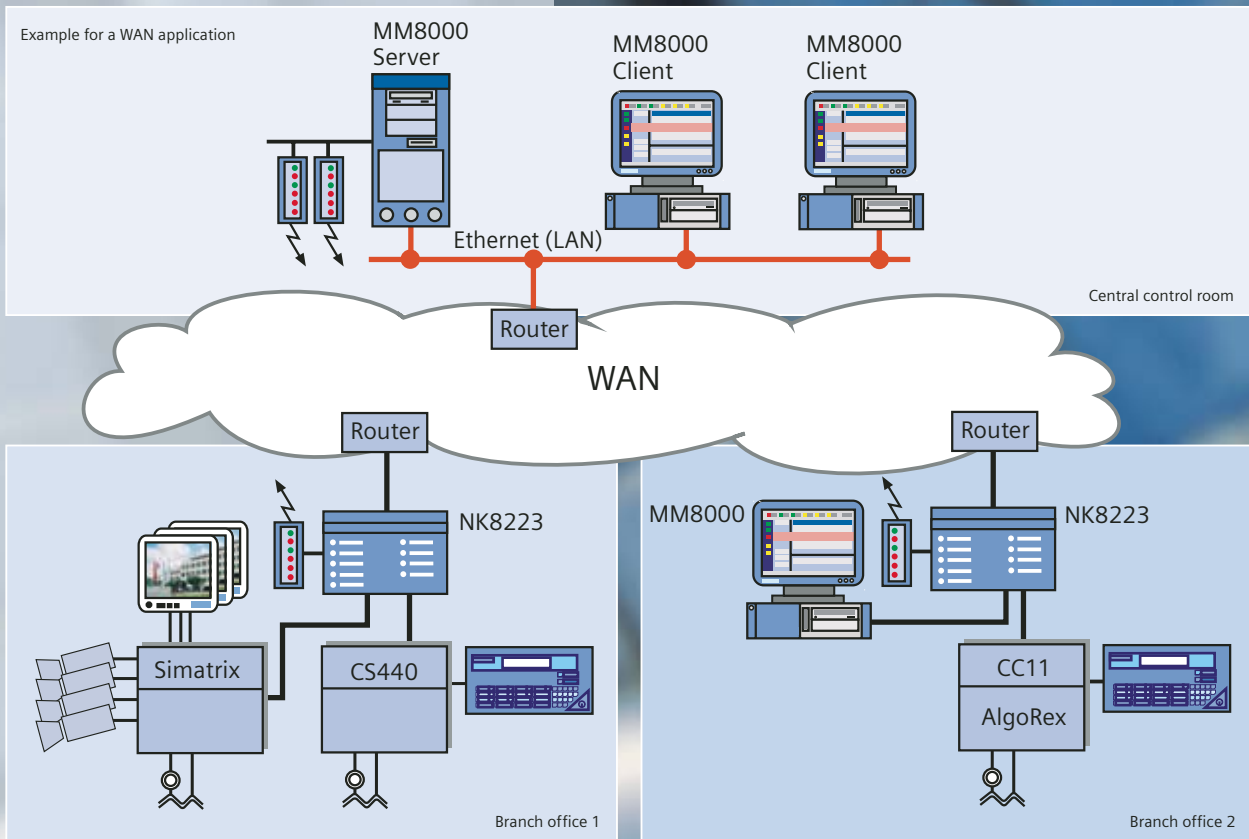


Single and multiple station applications

MM8000 can not only be adapted to your specific needs, but also to the size of the building. A single user system is the best choice for smaller buildings. Of course, multiple MM8000 systems can also be networked together. A multiple user system is particularly suitable for decentralized systems.

From small to large systems

MM8000 is also the ideal solution for multiple buildings, which may be geographically close or very far apart. The advantages of the stability, scalability and flexibility of the MM8000 become particularly relevant with LAN/WAN installations and complex networks.



MM8000: «Safe & Easy».

MM8000, the open system for all applications

Depending on the security organization as well as the size and use of the buildings, the requirements for a Danger Management System can differ greatly. MM8000 offers numerous functions that allow each system to be tailored to fit the individual customer needs. From the long list of positive features, the following deserve particular mention:

- Dual-screen displays
- Automatic reactions
- User profiles
- Notification via SMS, pagers, dialers, E-Mail
- Time programs
- History evaluation
- Excellent graphics package
- Multi-lingual

Standards

MM8000 is based on the leading standards:

- BACnet
- OPC
- TCP/IP
- MS Windows
- AutoCAD

The trend towards open systems is fully supported, thereby allowing the flexible integration of third-party systems.

Security

MM8000 incorporates decades of Siemens experience in Danger Management Systems. The excellent operating concept practically rules out operator errors – even under extreme stressful conditions. The unique user-profile feature permits the rights of each operator to be tailored to his specific needs, ensuring that each operator has a clearly defined area of responsibility within the security organization.

Flexibility

Modern organizations are subject to constant changes. The intervention texts have to be continually adapted to these changes. MM8000 allows on-line updates from a separate PC. As a result, these changes can be transferred to people outside of the security department. Carefully conceived identification and security mechanisms avoid misuse.

Comfort

The operating station was designed to be as convenient as possible. Various features make using the MM8000 a pleasure:

- Intuitive navigation using graphics gives the impression that you are really walking through the building.
- Guided procedures that present the correct steps at all times prevent you from feeling helpless.
- Web-camera functions make it possible to check certain situations without leaving the control room.

Profitability

With the MM8000, you get more for your money and achieve a maximum «return on investment».

- The high level of adaptability and expandability protects the investment, regardless of how fast the company grows or changes.
- The unique «User Interface» and the easy operating concept drastically reduce training costs.
- The use of existing AutoCAD plans results in direct savings during the implementation phase. Any later adjustments can also be made easily and inexpensively.



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