ESSER
by Honeywell

The focus of building technology
The hazard management system WINMAGplus

▶ **Multifunctional technology**

Where hazard management is needed, you´ll find WINMAGplus

Integrated systems: different languages, one interpreter

Integrated products offer many synergies: they require fewer materials, less installation time and are easier to maintain. This is why they have become standard in modern building management. Each product speaks its own language, has its own requirements and requires the user to have certain knowledge.
The all-embracing, higher-ranking hazard management system WINMAGplus “understands” and interprets the information from all systems. It combines all the information under a clear user interface and brings messages from the following systems

- fire and intrusion protection
- access control
- time recording
- video surveillance
- building automation
- rescue route technology
- voice alarm
- elevator control

together at one central node. Thus it enables the efficient controlling of the entire system from a single operator terminal and also the immediate, targeted combating of hazards in the case of an alarm – even where third-party systems are connected. WINMAGplus also “translates” their “language” via various interfaces.

Under one uniform user interface, WINMAGplus integrates

- fire and intrusion protection
- access control
- video surveillance
- rescue route technology
- voice alarm
- third-party systems such as heating, ventilation and
- HVAC (controlled via OPC interface)

and visualises them as

- graphics with dynamic symbols
- tables
- text.

WINMAGplus: meticulous security

With the help of WINMAGplus all important measures are set in motion within seconds when danger occurs. At the same time, WINMAGplus sets the entire potential of the installed systems in motion.

1 12:03:00 WINMAGplus announces the alarm with the appropriate procedure text and provides the fire brigade with directions on how to get there.

2 12:03:15 The alarm escalates, discretely if desired. In order to avoid panic, WINMAGplus sends it to mobile telephones, pagers and DECT systems. This enables a controlled evacuation to be started.

3 12:03:25 A few seconds later, the alarm occurs acoustically and optically by means of an emergency alarm system, voice alarm and/or via the telecommunications equipment.

4 12:03:30 The video surveillance system is now activated and monitors the affected areas. WINMAGplus displays its pictures. It observes, for example, the development of the fire and helps to guide the task forces and controls the use of the escape routes.

5 12:03:45 WINMAGplus gives information about the operational state and position of all elevators via the elevator control interface.

6 12:04:00 WINMAGplus now visualises access control information. Visible at a glance: where there are people still in the building and which areas have already been completely evacuated.

7 12:04:20 Integrated safeguard against intrusion and access control give information about which doors and windows are open and which are closed. Effective rescue route technology can be realised via WINMAGplus.

8 12:05:00 Where there are no access control readers – for example in a public car park – cash systems provide important information through online cash dispensers, etc. It gives WINMAGplus information about how many visitors have entered the building up to the time of the alarm.

9 12:05:30 Linking of the hazard management system to the building control technology also facilitates effective Venetian-blind control via WINMAGplus in the case of an alarm. This is necessary in order to enable the fire brigade to tackle the problem un-hindered from the outside.

10 12:05:40 The building management system also helps by fire-fighting. It gives the data about the state of the smoke removal and safety systems to WINMAGplus, where it is clearly visualised.

Integration with other systems

WINMAGplus offers an open system architecture and free programmability. For this reason, its areas of operation are diverse and fulfil all the requirements of the ESSER product portfolio. Furthermore, WINMAGplus also succeeds in integrating third-party systems. The wide spectrum of WINMAGplus functions optimally covers all the requirements of the most diverse applications.

The OPC and ESPA 4.4.4 interface

The interfaces serve to integrate equipment and applications from various suppliers into the existing system. This enables WINMAGplus to visualise and control building management technology such as air-conditioning, ventilation and Venetian-blind systems.

Integration of AutoCAD files

WINMAGplus also displays complex buildings clearly – as a rule, simply by means of their floor plans. The use of available AutoCAD files facilitates work with WINMAGplus.

Notification

WINMAGplus is capable of transmitting text and voice messages to specific devices like cell phones, pagers, etc. That gains valuable seconds for evacuation in an emergency and ensures that information arrives at the correct address.

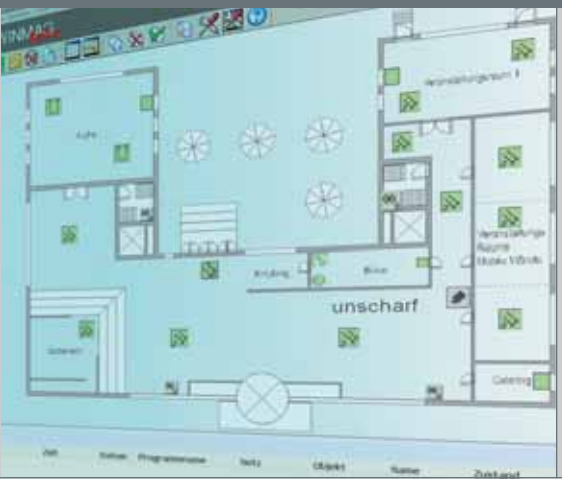
Touch Panel

The flexibility and scalability of WINMAGplus allows a combination of the easy operability of a remote control unit with the functionality of a management system in one touch panel.

HTML View

Applications such as video streaming or BMS programs, which have a web server available, are visualised clearly by WINMAGplus in the browser window. Thus, for example, trend curves, set point changes and configuration settings can easily be carried out using the WINMAGplus interface.

Lite Version



WINMAGLite, the hazard management system for one control unit, controls and visualises the most used functions of max. 1 fire, intrusion or access control system in combination with a CCTV system.

The right interface is important

The effectiveness of a hazard management system depends to a great extent on its ability to communicate with different systems within the building management structure. The more information a hazard management system gathers, the more it can pass on to the user and the more it can effect the interaction between the individual systems. For this purpose it requires bi-directional interfaces, which guarantee true integration of a system within the combined systems.

Investment in WINMAGplus and its many years of application experience have led, in the meantime, to an incomparable number of bi-directional interfaces, even to third-party systems. This enables WINMAGplus to use the full potential of all the connected systems.

The advantages are obvious:

- Synergies: individual products are united in one system
- Systems communicate: an event in one system causes a reaction in another
- Highest user comfort: the user only uses one interface
- Cost reduction: reduced maintenance costs save time, multifunctional use of individual components reduces expenditure on materials and supplies
- Less personnel expenditure: only one training workshop is required for the control of all the systems


Elevator control
Fire protection
Voice Alarm
Intrusion protection
Building automation
Video surveillance
Rescue route technology
Time recording
Access control

The hazard management, excellent references

HighLight Munich Business Towers, Munich

HighLight Munich Business Towers

This representative and trend-setting building unites almost our entire product portfolio. At two control centres, WINMAGplus visualises the information from the fire and intrusion protection systems, access control and video monitoring systems, as well as the cash system. It also controls several third-party systems.

Dexia Bank Internationale à Luxembourg

Dexia Bank Internationale à Luxembourg

In the Dexia Bank in Luxembourg, WINMAGplus administers all the information from the networked fire detection and intrusion detection systems individually, in accordance with the requirements of the operator. It enables the central control of individual operational systems and, in conjunction with access control, supports fast intervention by the security personnel in an emergency. This means that, despite the size of the bank complex, an unidentified person or the source of a fire can always be located precisely.

EKO Stahlwerk GmbH, Eisenhüttenstadt

EKO Stahlwerk GmbH

30 fire detection computers as well as ten intrusion detection control panels, networked via four IGIS LAN networks with a total of 7,000 alarms of different types, united under WINMAGplus—those are the hard facts of this huge installation at EKO Stahl in Eisenhüttenstadt. The multi-layered fields of activity within the plant require an individual solution in nearly every area, which makes the integration of a hazard management system indispensable. Especially with such large and complex systems, WINMAGplus not only makes servicing and maintenance easier, but also contributes towards keeping the operating costs as low as possible.

1&1 Schlund & Partner, Karlsruhe

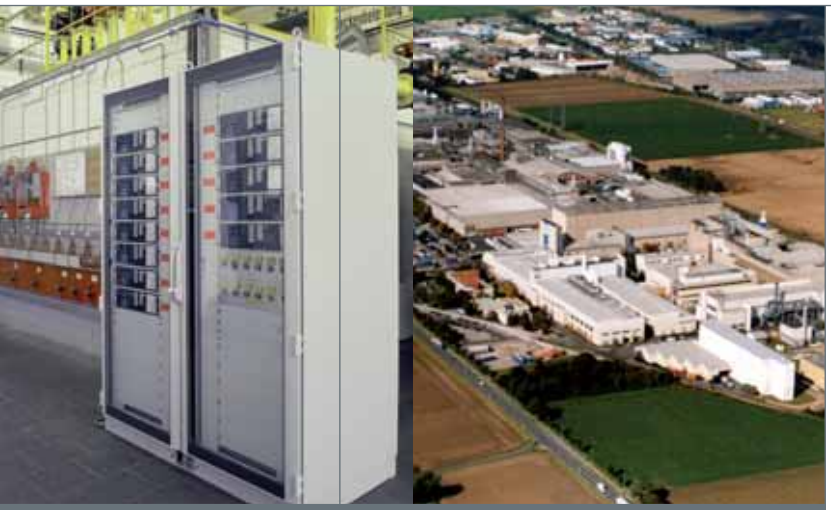
1&1 Schlund & Partner

The combination of five systems – fire and intrusion detection, access control, video surveillance and rescue route technology – is considered the best example of integrated systems. The configuration of the entire system is carried out from a central station via WINMAGplus – coupling of the intrusion detection system and the comprehensive access control of 88 doors, as well as the integration of the fire extinguishing system, the water alarm unit and the rescue route technology.

Terminal 5, Heathrow Airport, London

Terminal 5, Heathrow Airport

The largest public address system and the most comprehensive fire detection system in Great Britain, biometric face recognition, optic fibre cabling and voice alarm are only a few of the outstanding features of building management in the unparalleled London Airport project. The Terminal will be finished in 2008. By then all the equipment will be integrated into one complete system.



Hydro Aluminium, Rolled Products, Grevenbroich

Hydro Aluminium, Rolled Products

In this, the largest Aluminum fine strip roll mill in the world, the CO_2 extinguishing system consisting of fourteen 8010 extinguishing panels and 13 connected fire alarm systems forms a unified safety concept for the optimized protection of employees and production equipment. Information of the respective extinguishing zones is visualized via the WINMAGplus and can be read at any time via the plant security as well as via the plant fire department. In this way the fastest possible reaction time is guaranteed during emergencies and the spread of fire can be prevented.

Your specialist:

Novar GmbH a Honeywell Company
Dieselstraße 2
41469 Neuss, Germany
Phone: +49 2137 17-0 (Administration)
Phone: +49 2137 17-600 (Customer Service Center)
Fax: +49 2137 17-286
Internet: www.esser-systems.com
E-mail: info@esser-systems.com

Honeywell Life Safety Austria GmbH
Lemböckgasse 49
1230 Vienna, Austria
Phone: +43 1 600 6030
Fax: +43 1 600 6030-900
Internet: www.hls-austria.at
E-mail: hls-austria@honeywell.com

Part No. 797828
September 2008

ESSER
by Honeywell