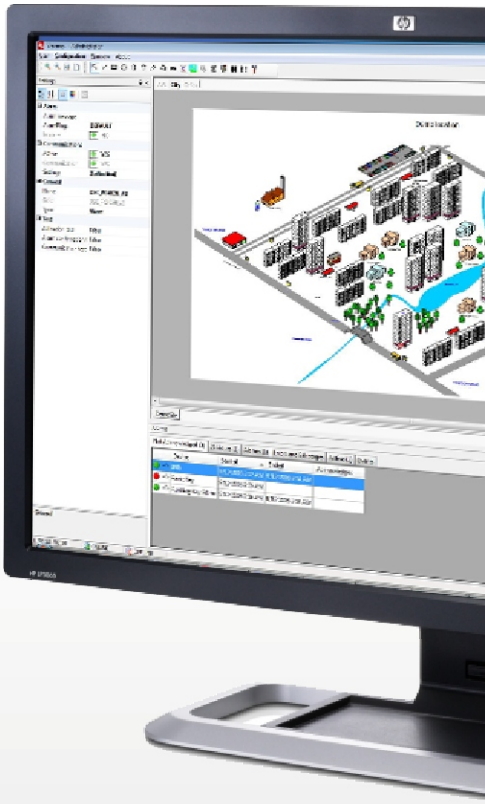
AGILEON

VARANUS

Open Central Monitoring Software



Manage all your security devices and alarms with a single intelligent and efficient software.

Open / Reliable / Scalable / Efficient / Advanced / Customizable

Intrusion

Fire

Access control

Video

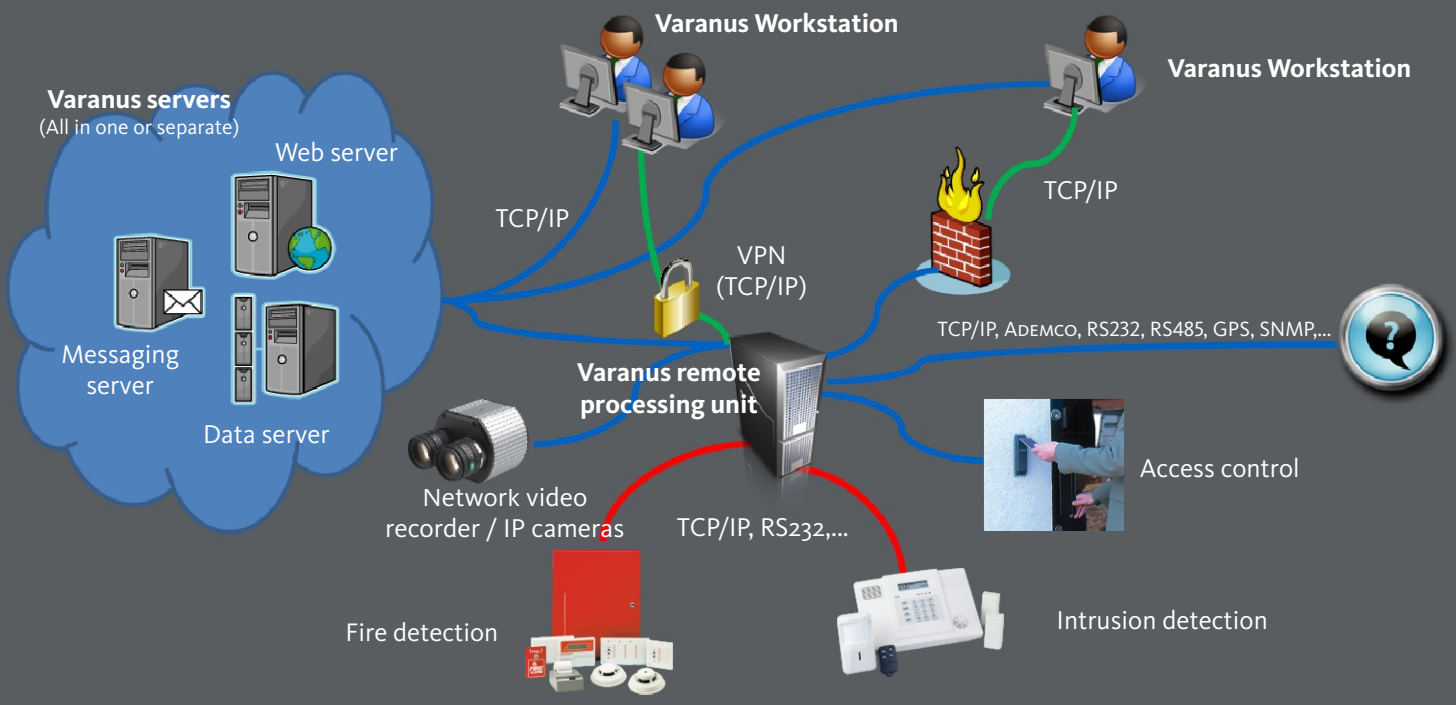
Custom devices
(write your own drivers)

An ever increasing number of different security devices have appeared on the market which makes it difficult to match a particular monitoring system with the variety of devices found in the field. Users and integrators of security systems are, therefore, tied to the components of a single producer, or have to use multiple monitoring systems within a single solution.

Varanus Central Monitoring System (Varanus CMS) gives its user a completely adaptable system that can satisfy different project objectives and be connected to different types of security components. Using Varanus CMS will reduce the cost of system installation and maintenance. The cost of user education will also be reduced as there is only one, single solution. We have designed Varanus CMS to be completely open, thus enabling us to quickly respond to our customers' requests. Our customers can, therefore, benefit from sudden fluctuations in the component market and improve their competitiveness.

System Architecture

Varanus CMS introduces a fully redundant, flexible and distributed architecture and can be successfully applied in a monitored or controlled environment of any size. An innovative, advanced and unique architecture fully **eliminates »single points of failure«**. This architecture enables the installation of Varanus CMS components in a compact single workstation/server or in a geographically distributed fashion.



Advantages

RELIABILITY - Varanus CMS enables redundant usage of fully independent remote control stations. In the case of server outage the system's operation is uninterrupted due to the unique solution of redundant buffering and storage of all events.

EASY USAGE - Unified and configurable graphical user interface (GUI) enables a simple and quick overview of monitored systems' status. It was designed to limit the likelihood of human error and improve operator's response time.

FLEXIBILITY - System architecture based on a generic framework enables simple addition of new features and rapid developement of drivers for new types of security devices. Fast response time is assured, as well as the quick upgrade of the system whenever a customer requires new or upgraded functions.

Supported Devices

Varanus CMS supports a multitude of security devices of various manufactures. The list of supported devices is growing rapidly.

Standard and vendor-proprietary protocols (RS232, TCP/IP, UDP, Contact ID, SMTP etc.) can be used to communicate and control remote security devices from different manufactures.

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- DSC - Digital Security Controls Ltd
- Ademco-Honeywell
- Zarja Elektronika Ltd
- Varnost Center Ltd
- Advanced Electronics Ltd
- Hochiki Ltd
- Roboti c.s. Ltd
- Mirasys Ltd
- Geovision Ltd
- Špica International Ltd

Innovative Open Drivers Platform

Varanus CNS is built on top of a unique software framework that exposes an open application program interface (API) for driver plug-ins. By using a comprehensive driver API specification, users can develop their own drivers for custom devices. Customer's software development team can now add support for new devices as needed and when their own development provides added-value for their business prospects.

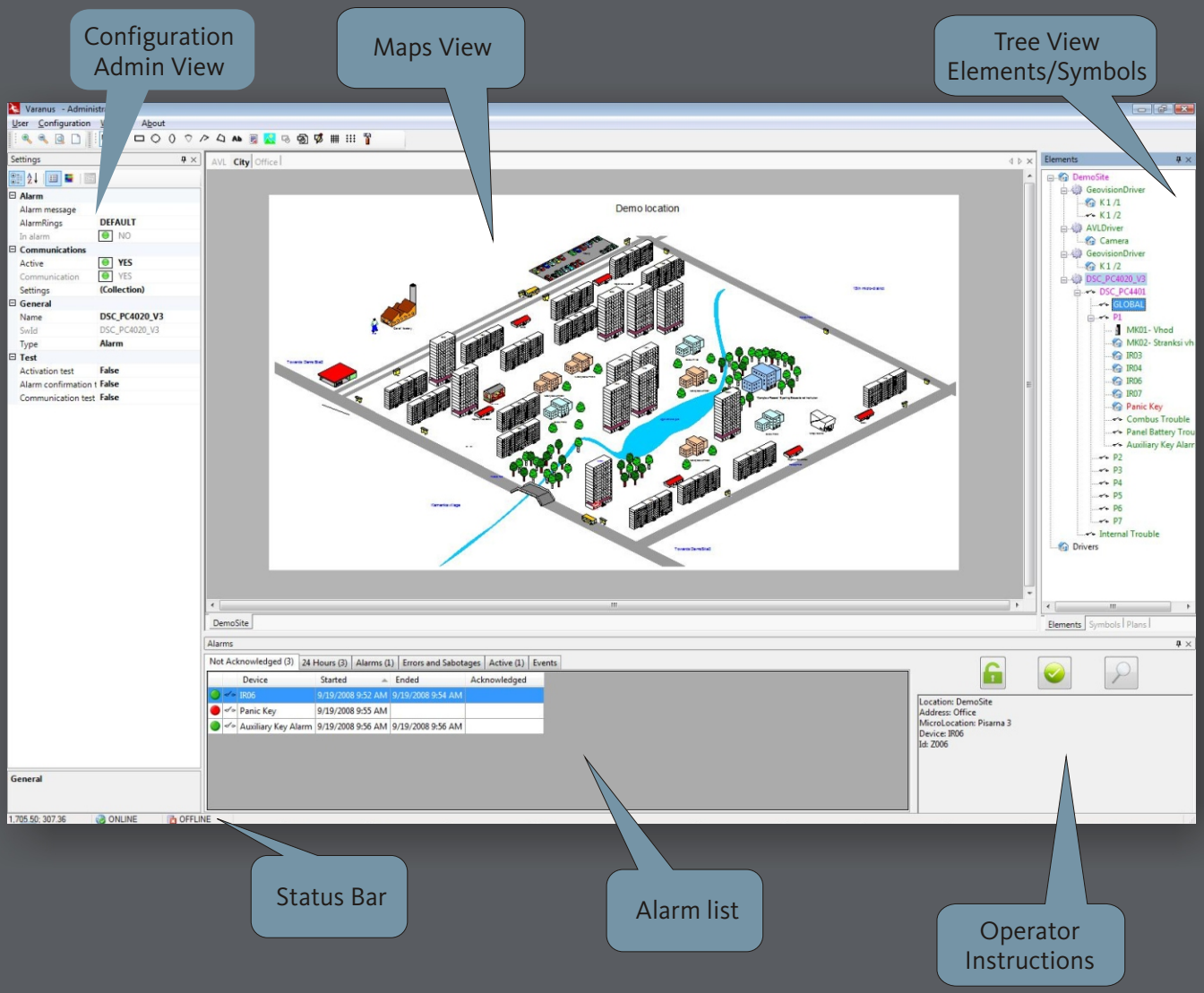
Scope of Application

Varanus CMS is designed as a generic product that can be applied to almost every area of human activity, wherever there is a need for total control over all security or other kind of installed equipment that is able to communicate with “third-party” applications.

- Airports
- Banks
- Transport Infrastructure
- Fire and Rescue Services
- Network monitoring
- Shopping malls
- Power Industry / Oil infrastructure
- Manufacturing Plants
- Police / Prisons / The military
- Energy Transmission and Distribution

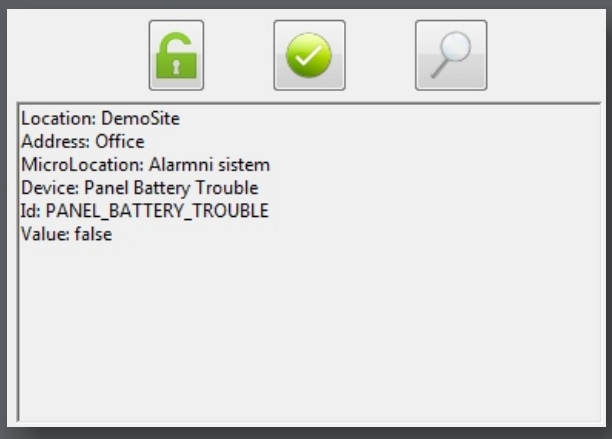
Graphical Environment

Varanus CNS comprises a unified graphical environment for the administration and control of monitored system operations. Graphical environment with its components (maps, tree and tabular views of alarms, troubles, events) can be displayed on multiple screens at the same time. It is fully adjustable to user preferences. Vector and bitmap graphics are supported for the graphical presentation of monitored system using location-based maps.



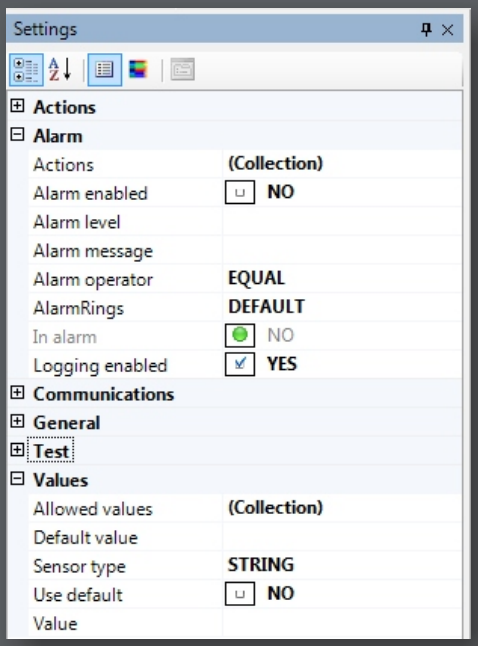
Operator Instructions

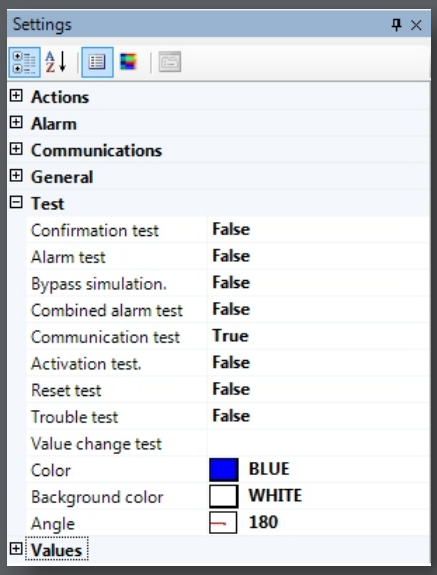
Varanus CMS provides an easy way to add guidelines for each alarm in the form of written instructions and response options for the operator.



System Configuration

Administrator configures the system using a graphical property editor. It is possible to set the properties of each security element and device within the system's scope.

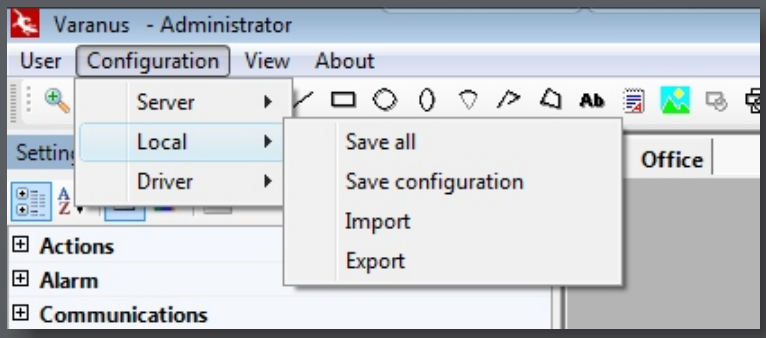




Testing and exercising the settings and dynamic actions of a particular element or device can be performed during the system's configuration (“off-line”).

On-line/Off-line configuration

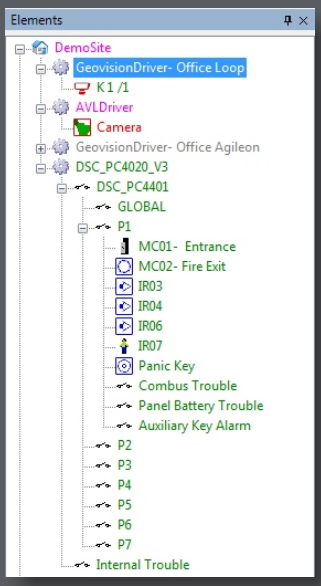
Administrator can configure Varanus CMS “on-line” or “off-line”. Entire system configuration can be uploaded to an “on-line” system as needed.



Tree View

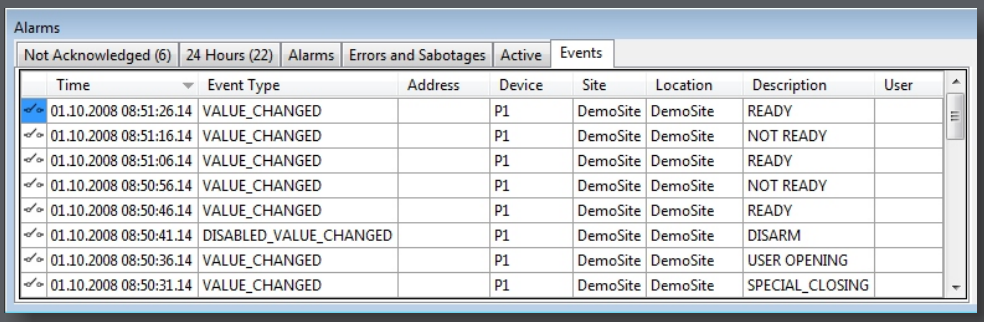
Varanus GUI provides quick access to device properties using a tree view populated with devices and their monitored elements - sensors etc. . The color of the devices and their elements reflects their current status in real-time.

Tabular view of alarms and events enables a clear oversight on the systems alarms and events that are displayed in alarm, trouble and event queues.



Events and Alarms

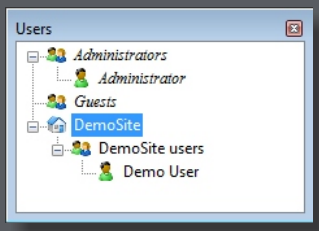
Tabular view of alarms and events enables a clear oversight on the systems alarms and events that are displayed in alarm, trouble and event queues.

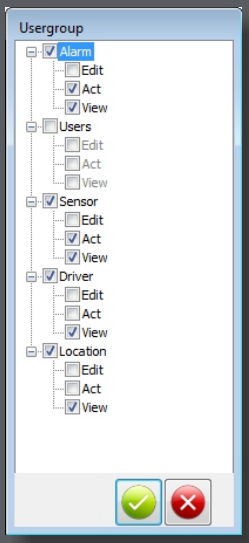


Time	Event Type	Address	Device	Site	Location	Description	User
01.10.2008 08:51:26.14	VALUE_CHANGED		P1	DemoSite	DemoSite	READY	
01.10.2008 08:51:16.14	VALUE_CHANGED		P1	DemoSite	DemoSite	NOT READY	
01.10.2008 08:51:06.14	VALUE_CHANGED		P1	DemoSite	DemoSite	READY	
01.10.2008 08:50:56.14	VALUE_CHANGED		P1	DemoSite	DemoSite	NOT READY	
01.10.2008 08:50:46.14	VALUE_CHANGED		P1	DemoSite	DemoSite	READY	
01.10.2008 08:50:41.14	DISABLED_VALUE_CHANGED		P1	DemoSite	DemoSite	DISARM	
01.10.2008 08:50:36.14	VALUE_CHANGED		P1	DemoSite	DemoSite	USER OPENING	
01.10.2008 08:50:31.14	VALUE_CHANGED		P1	DemoSite	DemoSite	SPECIAL_CLOSING	

User Rights Management

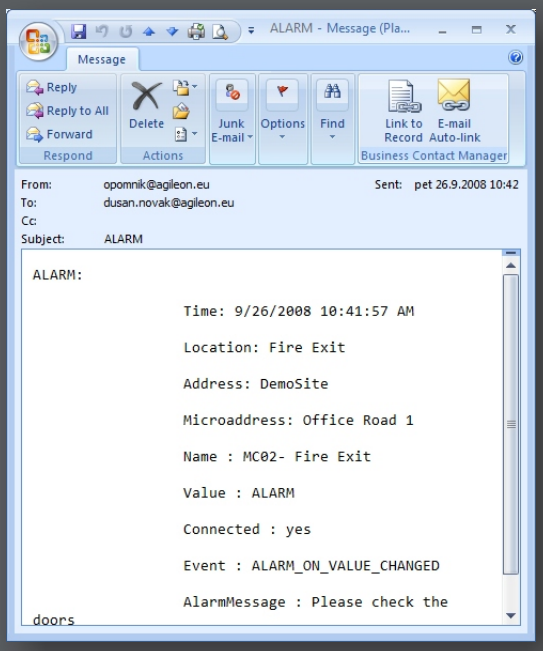
Varanus CMS GUI provides comprehensive and transparent user rights management, thus providing full multi-user environment.Users are organized in groups with specific rights for a supervised location. This concept brings possibilities for restricting a user to a very specific functionality within a single location, or giving him broad rights to configure and supervise several locations. The GUI is automatically adjusted to the user logged into the system

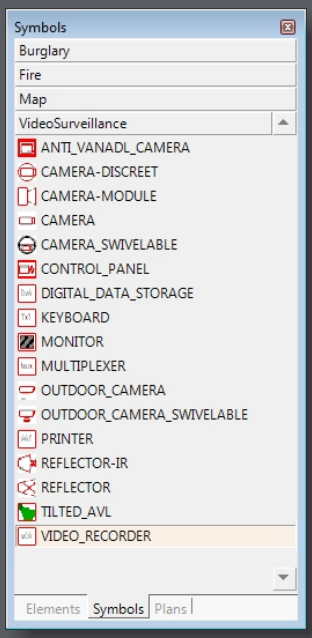




Flexible Messaging System

Varanus CMS introduces its own messaging system. Alarms can be automatically dispatched to several e-mail addresses or to any mobile device that supports short message protocol (SMS).



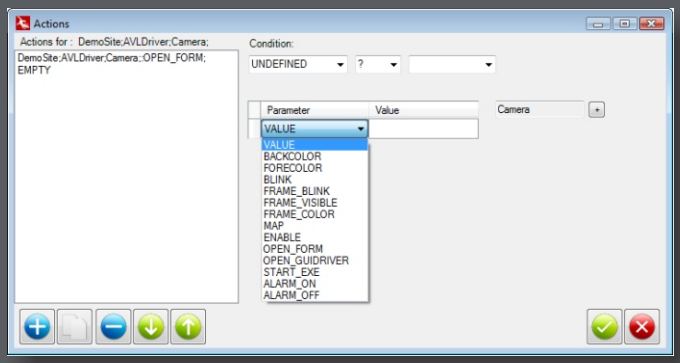


Customizable Element Library

Varanus CMS provides a well-organized graphical symbol library whose elements are used for representation of monitored systems and components. The user can create its own graphical elements and symbols by the built-in editor and can organize them into custom libraries.

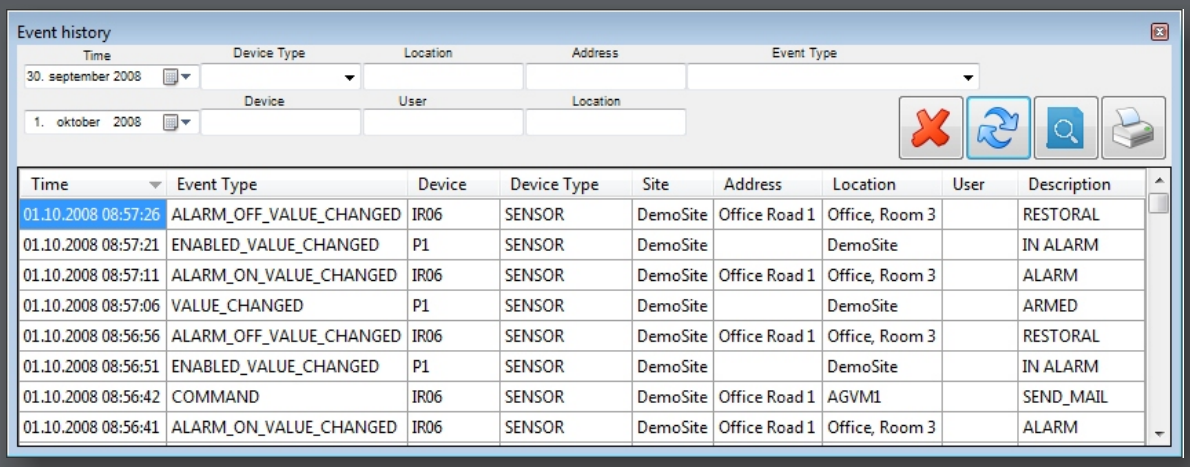
Dynamic Actions

User is able to configure and apply dynamic, event-triggered actions. These actions cover change of the graphical representation of the system elements, indicating the alarm or faulty state of a particular element, starting an external application, showing GUI components, sending messages etc. Triggers can be filtered to meet configurable conditions.



Event and Alarm History and Reporting

The built-in event and alarm filter enables diverse views on the event and alarm log history. The filtered list of events is displayed corresponding to the user's criteria (event type, device type, location, date etc.) in the tabelar form. Reports are generated accordingly.



Time	Event Type	Device	Device Type	Site	Address	Location	User	Description
01.10.2008 08:57:26	ALARM_OFF_VALUE_CHANGED	IR06	SENSOR	DemoSite	Office Road 1	Office, Room 3		RESTORAL
01.10.2008 08:57:21	ENABLED_VALUE_CHANGED	P1	SENSOR	DemoSite		DemoSite		IN ALARM
01.10.2008 08:57:11	ALARM_ON_VALUE_CHANGED	IR06	SENSOR	DemoSite	Office Road 1	Office, Room 3		ALARM
01.10.2008 08:57:06	VALUE_CHANGED	P1	SENSOR	DemoSite		DemoSite		ARMED
01.10.2008 08:56:56	ALARM_OFF_VALUE_CHANGED	IR06	SENSOR	DemoSite	Office Road 1	Office, Room 3		RESTORAL
01.10.2008 08:56:51	ENABLED_VALUE_CHANGED	P1	SENSOR	DemoSite		DemoSite		IN ALARM
01.10.2008 08:56:42	COMMAND	IR06	SENSOR	DemoSite	Office Road 1	AGVM1		SEND_MAIL
01.10.2008 08:56:41	ALARM_ON_VALUE_CHANGED	IR06	SENSOR	DemoSite	Office Road 1	Office, Room 3		ALARM

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