Core features

- Full integration of textual, maps and video information

- Every entry is related to a location, event and time

- State-of-the-art intuitive Graphic User Interface (GUI)

- Drag and drop of any data to any screen

- Strong 3D GIS (Geographic Information System) engine

- Built in line of sight calculation

- Embedded powerful IVA optimized for outdoor security applications

- Easy integration to new cameras and sensors

- Flexible interface to enable easy import / export of external data

- Scalable and flexible

Description
FORTIS^{4G} is a cutting edge Physical Security Information Management system (PSIM), optimized to manage the daily routine business flow and site activity, abnormal, emergency and crisis situations.

Magal S³ has a record of more than 40 years in the security market, delivering so far three generations of innovative management systems. Fortis^{4G}, a fourth generation version, is a quantum leap from its predecessor, Fortis, which is installed in more than 100 sites worldwide.

Fortis^{4G} is leveraging the latest IT technology and communication protocols; it is built around and for users and delivers superb situation awareness.

How your organization can benefit from FORTIS^{4G}
Share information – Use a common data source; share events and resources

Gain situation awareness – Have a real-time intuitive common view, yet adapted to the distinct needs and roles of each player

Analyze threats and alerts – Quickly pinpoint threats, alarms, abnormal behavior, signals and inputs from multiple nodes

Automate workflow – Perform immediate tasks in compliance with predefined procedures

Respond - Dispatch first responders efficiently

Communicate – Use prompt and effective means to transfer commands and information through radio, intercom, public address, graphic exchange and messaging systems

Manage – Achieve efficient control of sensors, communication devices, events, resources and mobile responders

Improve operation – Retrieve and review recorded events and create customized reports for effective debriefing and compliance

How it works

The operating console of a single user may include any number of screens. As a minimum it would consist of one screen with three data sectors: Text, map and video.

Text

Map

Video

The classical setup would consist of three screens – each will be dedicated to manage one of the data types, yet all the information will be correlated in time space.

Data management

The text sector is used to manage alerts, input event details manually, show inputs from 3rd party applications (such as ERP) and also to present and manage the controller work process and check lists.

The map sector can use either 2D or 3D layout maps / earth photos from any source. Additional information layers (such as traffic routes, public institutions, emergency services, static sensors and mobile device locations, etc.) are built as distinct entities and can be super - positioned and displayed pending scenario and the user's task.

The video sector is optimized to display a video matrix tailored per scenario, as well as pre / post alarms

Main improvements of FORTIS⁴ᴳ

The system delivers the following main improvements compared to legacy management systems:

- Unsurpassed user experience achieved through full flexibility in screens tasking and layout, touch screens, advanced GUI, drag and drop of any data entity, easy navigation through raster / vector maps and 3D models, search tools for addresses, sensors and more.

- Workflow automation through procedures, checklists, execution tracking and built-in escalation process. Administrators can easily tailor workflow for events and scenarios.

- New 3D GIS (Geographic Information System) engine, supporting multiple super positioned information layers; standard formats of information layers are easy to import.

- Complete redesigned software modules, enabling easier integration, fast menu and checklist creation, intuitive event management, rich reporting and debriefing options.

- The flexible architecture enables to tailor systems for small and large sites, as well as multiple interconnected sites, managed by distinct hierarchies.

Interfaces

Fixed and PTZ cameras, IP and analog

Video severs from different vendors

Infra-red imaging sensors

Access control (e.g. biometrics)

Panic and emergency buttons

License Plate Recognition (LPR)

Face recognition

Intelligent Video Analytics (IVA)

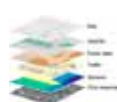Video Motion Detection (VMD)

Public Address and intercom

Mobile force (GPS equipped)

External data sources (e.g. ERP)

Perimeter protection sensors

Ground based radars

Observation balloons

MAGAL S³
Security, Safety, Site management

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