



Fortis is a fully Integrated Command & Control System, which supports real-time decision making along with complete command and control. The system is designed to improve the response to real-time security events, by sharing video and geographical information between the control center and security personnel systems in the field.

Fortis creates a unified and interactive intelligence picture - drawing data from all sensors, while displaying movements of security personnel in the field and adding other relevant information, such as video from various sources, auxiliary services and weather conditions. The instantaneous, all-encompassing picture, is sent by Central Command to all security personnel in the command chain, and serves as a unified basis for operational planning and allocation of tasks.

### FORTIS IS CHARACTERIZED BY FOUR KEY ELEMENTS:

#### Connectivity

Fortis integrates sensors of every type (electronic fences, video cameras, radars, VMD) within one unified view and manages the bi-directional transfer of data between them. From a central workstation, the operator can rapidly display, control and command individual sensors, significantly increasing their effectiveness.

All field communications are carried out via Wireless LAN. This provides guard vehicles

and foot patrols, operating within the coverage area, complete freedom of movement. Using Wireless LAN, the system transfers all types of messages to the field and back, whether it is live video feed, data, GPS information or Voice over IP (VoIP).

#### Versatility

Fortis is designed for maximum effectiveness in a multi-level and multi-tasking environment. It delivers an extensive range of security information - live video, 3D images, battle scenarios, annotated maps and sensor information. It contains powerful tools for field analysis, showing line-of-site, vantage points and blind spot elements. Moreover, Fortis is highly effective at every operational level - in control rooms, command vehicles and on foot patrols.

#### Modularity

Fortis is a highly modular system that can be adapted to any security scenario. It allows a broad range of system parameters to be specified - such as types of sensors, types of cameras, Wireless LAN coverage area, or numbers of mobile control units in the field. This ensures that each Fortis system can be uniquely customized to perform specific needs and deliver maximum results.

#### Redundancy

Fortis preserves high survivability and redundancy in any field condition, weather and operational set-up situation. Redundancy is achieved by using parallel and independent communication systems.

Minimizes the time between detection and reaction

High degree of modularity

A unified top-down view of security status

Rapid "drill-down" to any device, location or asset

Automated procedures for faster response to events

Connectivity to a wide range of inputs and outputs

The main control system screen includes a site map, a number of tool rulers and menus that enable the operation of all the system units

## OPERATIONAL SCENARIO

### Routine

- All perimeter sensors are enabled, prepared to alert on intrusion and their status and location are graphically presented on the security room Fortis monitor.
- The security officer can visually view any perimeter location on demand with user friendly operated PTZF cameras.
- The exact position of all the guards and security vehicles is presented on the Fortis monitor.
- As all past events and alarms are recorded, security supervisor can access the data for follow-up, research, de-briefing etc.
- Various full scale scenarios can be simulated for security guard training.

### Alarm

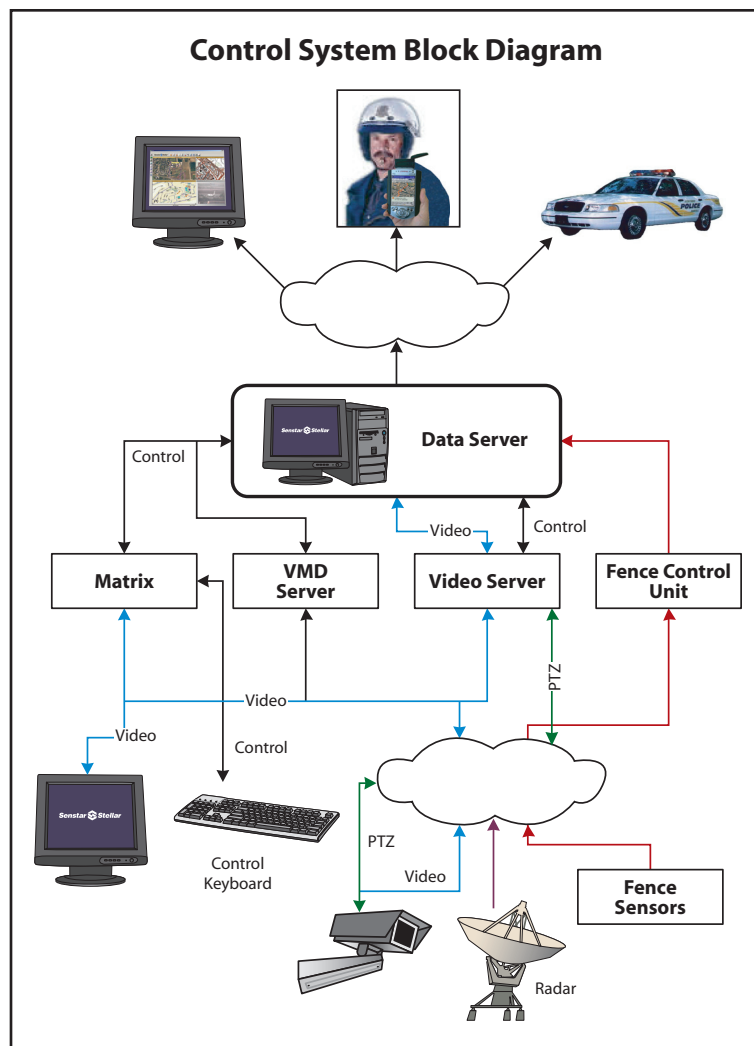
- An intruder activated perimeter sensor will set off a visual alarm with graphic positioning of event location.
- An audio alarm will be activated as well
- A PTZF camera will swing to the site and transfer the updated live video to the control room.
- The security officer, by sketching on the computer screen will describe what route each vehicle/ guard should take in response to the intrusion.
- All guards receive graphic instructions (with audio option) or video coverage of the relevant area.
- The guards (in security vehicle or on foot) see on their screens, in real time, a graphic display of the route they should take. There are no misunderstandings or instructions that weren't understood. All forces have a complete and uniform presentation, a common language based on geography. This minimizes the possibility of friendly fire.

- Once the guards have reached the event location, they can transmit to the control room real time close up video coverage with vehicle mounted CCTV's or with the video application of the hand held PDA.
- Guards and security vehicles can transmit to the control room real time close up video coverage of the event
- The senior guard on the site can take control of the system (with permission of the control room) and transfer graphic instructions to all other

guards. Physical movement and control of any perimeter PTZF camera can be achieved to cover the ongoing event area by simply drawing on the computer screen.

### Post Alarm

- As all event data, instructions and video are recorded, the entire event can be reconstructed and an in-depth debriefing can be performed.
- The event can be added as a simulated scenario for future training purposes.



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