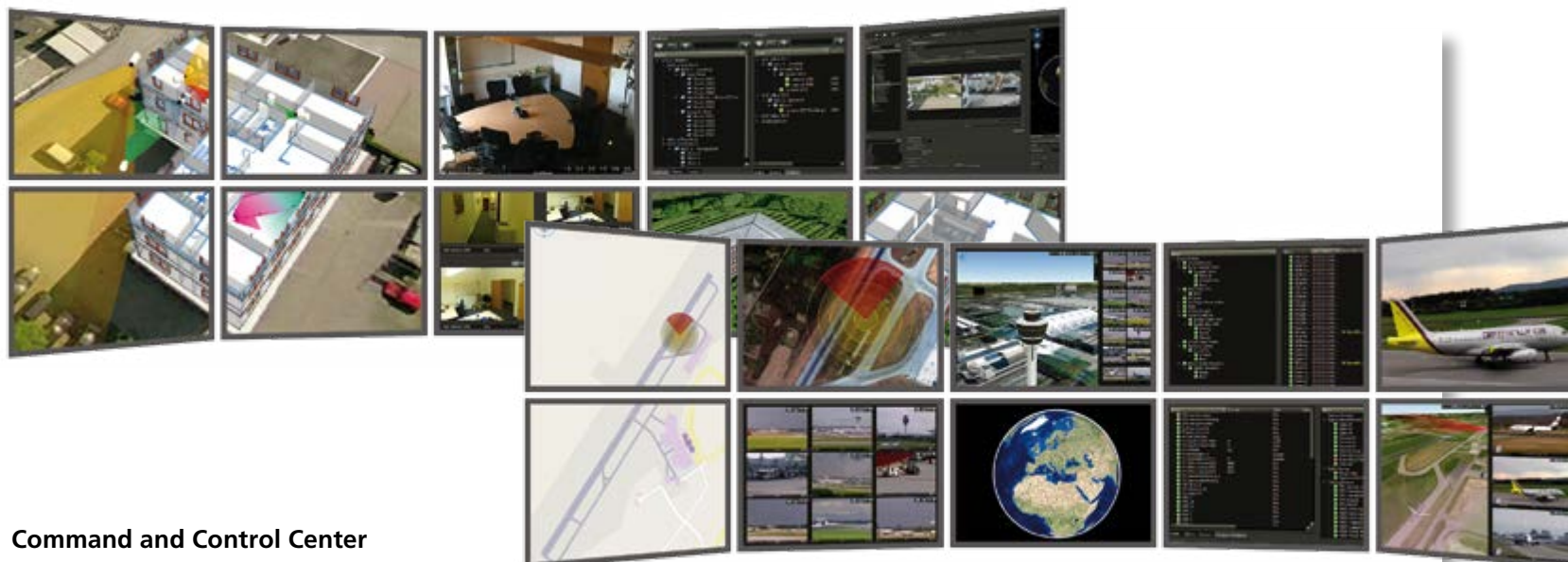


# invisible

Geo-referenced security and safety management –  
climb to the next dimension of situational awareness.





Command and Control Center

# aware



Integration Platform

The platform that makes you aware of all risks.

The protection of people, property and critical infrastructure assets is crucial. CRISP addresses these requirements providing its clients with an integrated geospatial command and control center solution which offers:

- Comprehensive protection
- Improved situation response times
- Correlation of all subsystem data
- Superior situational awareness
- No disruption of economic activities
- Increased operational efficiency

CRISP provides Physical Security Information Management (PSIM) as well as Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) solutions to facilitate incident detection, security and safety related incidents, presenting complex information in a simplified geographical 3D context, thus offering operators superior situational awareness.



Subsystems

**Security:** CCTV, PTZ Control, Intrusion Detection, Access Control System, Radar, Facial Recognition, ANPR

**Safety:** Fire Detection, Public Address, Perimeter, Gate, Security Bollard, Building Management

**Communication:** Radio, Smart phone, Mobile client, SMS, Email, Satellite phone

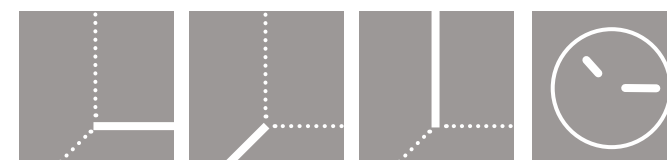
**Tracking & GIS:** GPS Tracker, ADS-B, AIS, MAP Layer, GIS Database (Address, etc.)

# pinpoint

## 4D. A1!

In today's increasingly interconnected world, system platforms involving multiple geographical sites, many sources of information and various areas of responsibility are more and more common. Therefore seamless integrations are needed for efficient operations such as crisis management, fight against crime or standard daily tasks.

The success of integrated platforms relies on the ability to anticipate and respond to events affecting multiple locations and areas of responsibility. At the same time a system platform should preserve the individual vision and responsibilities of the different stakeholders, keep control of information ownership and select and present only relevant information to the right operator.



### Longitude, Latitude, Elevation and Time

Sensors, alarms, objects and even documents – we put everything in the 4 dimensional space.



### Geo-referencing

Geo-referencing all elements enables superior situational awareness.

### CRISP integrated solutions allows for:

- Comprehensive operational picture based on 3D GIS model
- Geo-referencing existing and future data sources
- Selective data distribution on a need-to-know basis
- Access to data services (environment, intelligence, weather, news ...)
- Improved notice, response and incident resolution
- Greater efficiency and cost savings
- Improved situation response times and minimized risk



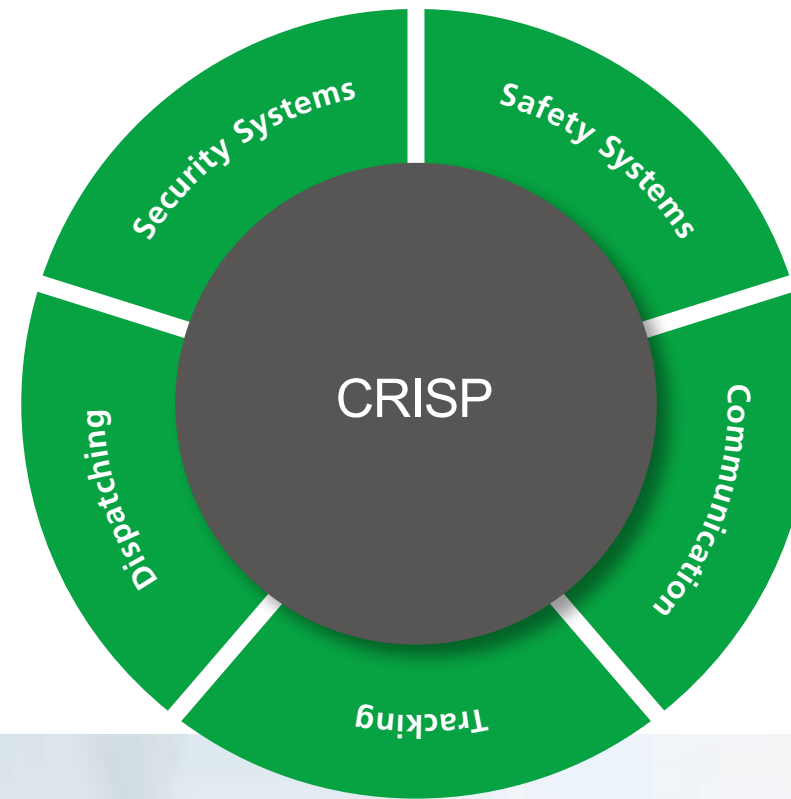
# ROI

An integrated solution enables numerous organizational benefits, including increased control, improved situational awareness and management reporting. Ultimately, these solutions allow organizations to reduce costs through improved efficiency and to improve security through increased intelligence.

## Security which pays off.

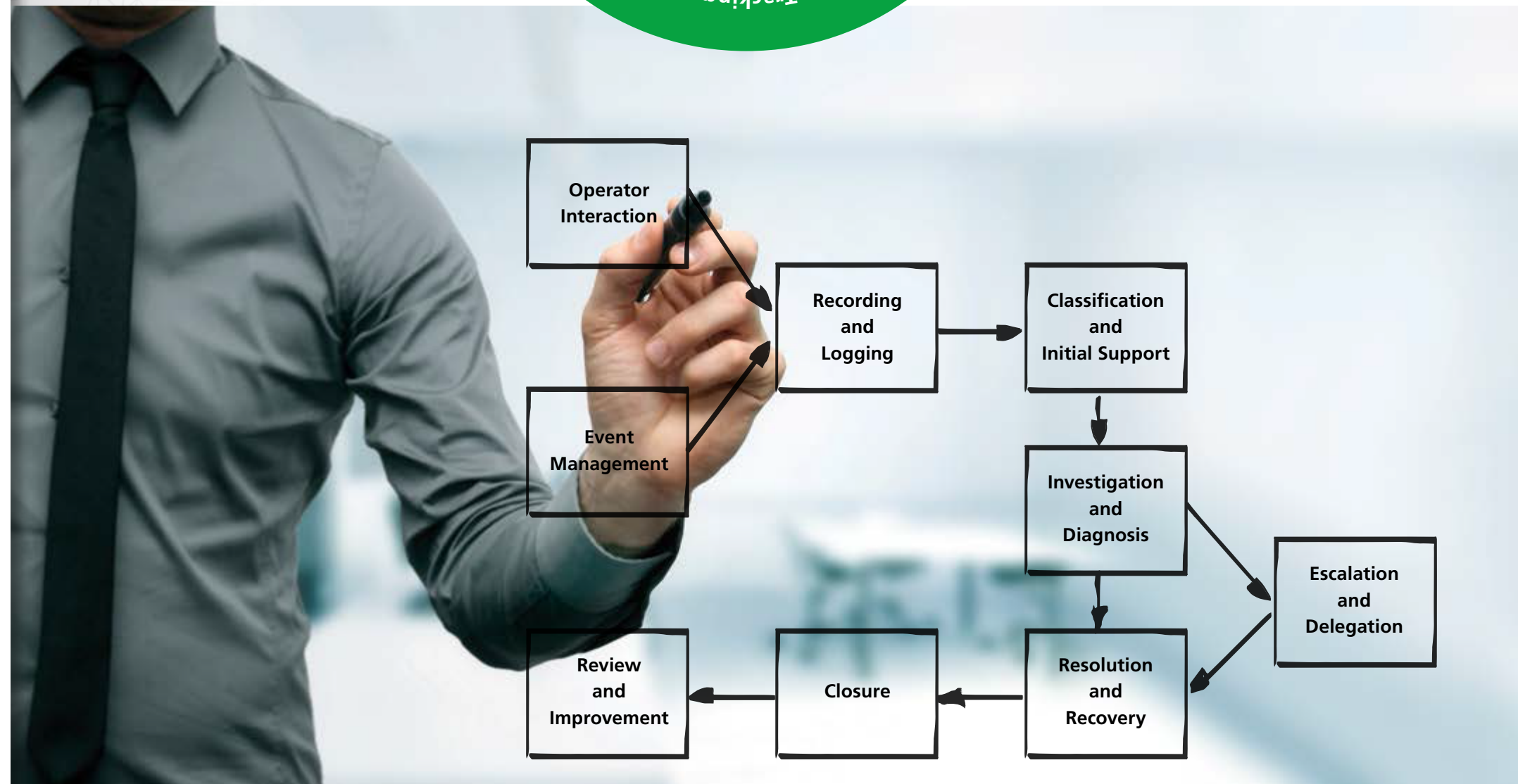
With CRISP you can reduce the risk of human error, improve security response, protect existing security investments and reduce operating costs by converging all your security cameras, sensors, subsystems, data sources and operating procedures into a single unified and structured platform.

CRISP is a software platform designed to integrate multiple unconnected security and safety applications and devices and control them through one comprehensive user interface.



CRISP system collects and correlates events from existing disparate security devices and information systems (CCTV, access control, sensors, networks, building systems, etc.) to empower operators to identify and proactively resolve situations.

The CRISP incident workflow chart represents state of the art security and safety event processing.



# real-time



## CRISP. Win!

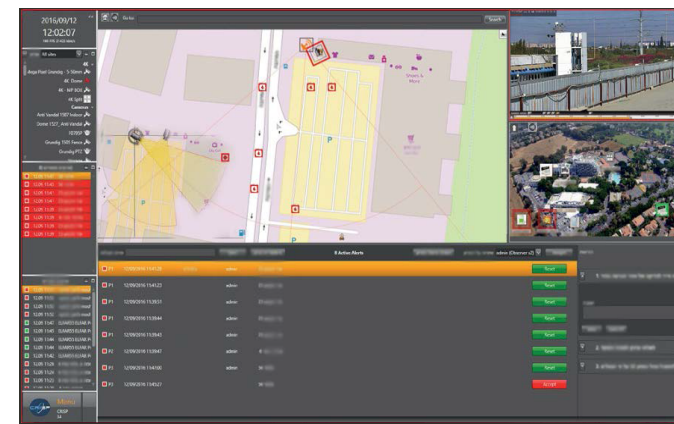
The requirement for organizations to provide continuously improving, cost-effective security solutions needs a new geospatial approach to manage large amount of information and present it to security control rooms in geographical context. The advanced geospatial analysis of CRISP evaluates every single incident and assists through guided workflows offering a unique situational awareness for operators.

CRISP provides tools that significantly accelerate response, improve efficiency and reduce operating costs in every phase of the situational management lifecycle.



### Universal compatibility

The existing customer infrastructure can be utilized and the open architecture allows the integration of any third party system.



### Guided workflow

The intuitive workflow steps reduce operator randomness, lower stress for the user during an incident and enforce compliance of company guidelines.



### Multi-site control

Significant cost reductions as all buildings and locations can be controlled from fewer locations.



### Protecting your investment

CRISP solution protects the investments in the existing security infrastructure made in the past by the customer.



# human ~~error~~

... Win!

You're only human! Don't worry because we have the answer! With a wealth of knowledge from various sources we have prepared an intelligent first class solution, promoting the correct response and avoiding human error – CRISP.

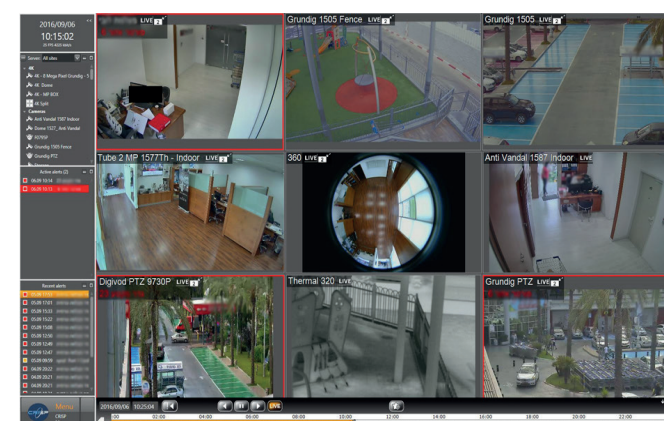
## Real View – Real Time.

CRISP is vendor independent and supports crossplatform interoperability. The common unified user interface allows remote control of platforms, sensors and subsystems including air, land, maritime and space-based platforms.



### Easily scalable

CRISP solution can be scaled from a compact version on a single computer to a complex, worldwide distributed solution on multiple computers.



### Enhanced CCTV Support

Existing or new CCTV cameras will become more powerful using CRISP. The system geo-references each camera and thus adds latency compensated PTZ control, PTZ auto presets, augmented reality video overlay, measuring distances in video, multiple camera object tracking and more features.



### Tracking and Dispatching

Thanks to the superior situational awareness CRISP enables operators to understand the position of own units in the field by a glance at the screen. The dispatch functions enable efficient management of own resources and keep track of all activities.

Better safe than sorry.  
Always and everywhere.

# protect!on

## Petrochemical

It is of national security and public interest to secure correct usage, storage and distribution of chemicals from various threats including, but not limited to terrorism, accidents and sabotage.

## Smart City

Managing security breaches and public safety in communities, city, state, federal and private organizations. CRISP PSIM facilitates the gathering, coordination, and sharing of information, in real-time to resolve and manage situations effectively.

## Transportation Networks & Infrastructure

CRISP helps transportation organizations like airports, seaports and major transport hubs. It enables efficient and safe transportation of people and goods with superior situational awareness.

## Finance

PSIM systems aid financial institutions to protect their assets and ensure safe 24/7 operations. CRISP supports the enforcement of Risk Management and Regulatory Compliance services that rely on proven consulting practices and deep knowledge of best-of-breed tools.

## Utilities & Critical Infrastructure

Energy providers supply fuels to the transportation industry, electricity to households and businesses, and other sources of energy that are integral to growth and production around the world. CRISP PSIM helps to protect and maintain smooth operations at these facilities.

## Tracking

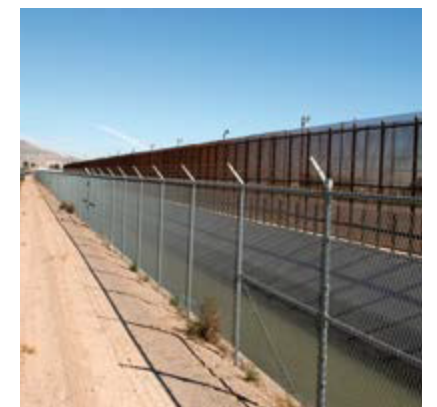
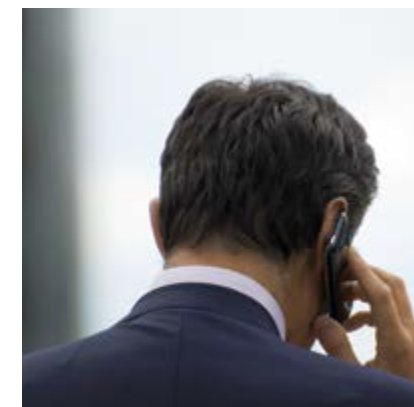
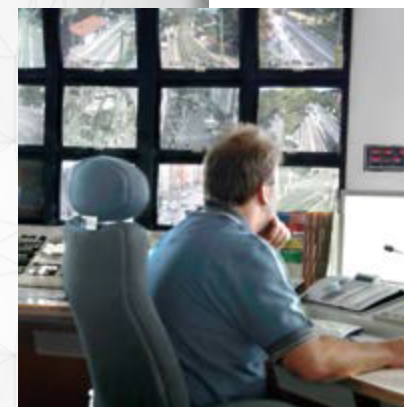
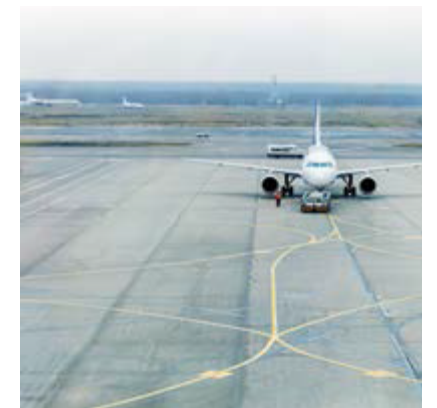
CRISP assists organizations in monitoring their employees and assets. It tracks all activities including location and status, allows geo-fencing and the definition of warning and alarm zones.

## Intelligence & Law Enforcement

CRISP solution is designed to reduce potential vulnerability and risks in the field of information sharing, physical access control, perimeter protection, building and incident management and production.

## Border Protection

As new risks and global threats emerge, governments are calling for a higher level of safety and security to protect their citizens and infrastructures. CRISP surveillance and control solution has been designed to detect and intercept unlawful activities on sea and land borders.





# augmented+ed

Objective. Intuitive.

Greater overview, quicker response, this intuitive system makes it possible. Behind this is a clever system architectural design – which leaves no question unanswered.

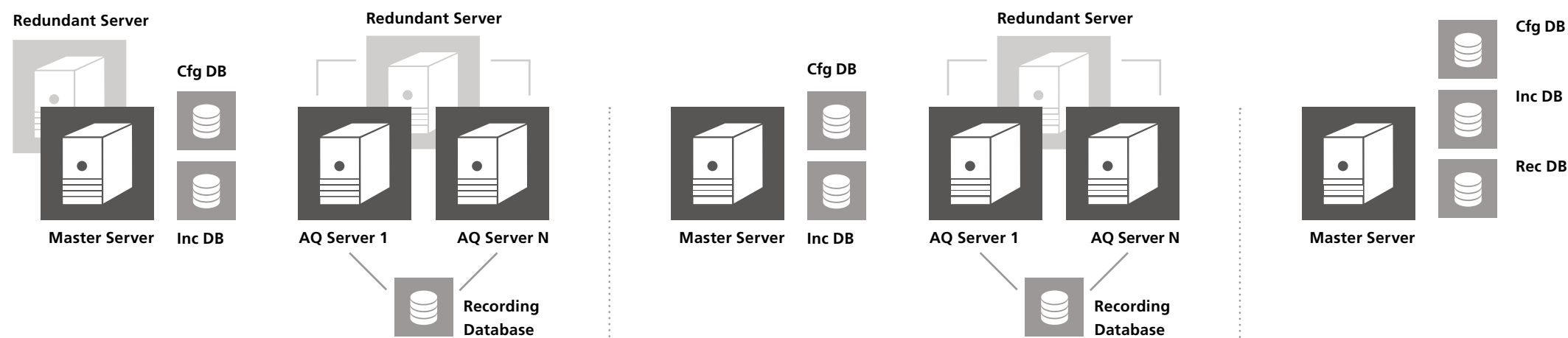
- Scalable from compact version on a single computer to complex, worldwide distributed solutions
- Support of multiple site operations
- Autonomous site operation in case of site isolation

- Redundancy for every crucial part to avoid single points of failures
- Designed to receive, analyze, visualize in 3D, retrieve and securely share data across multiple agencies and users
- Reliable and secure architecture consisting of management server, acquisition server and operator's client workstation
- The management server hosts all system wide information and controls the whole installation
- The acquisition server manages the configuration of the peripheral devices and controls the device status permanently
- Features like centralized user access management, cross client chatting, selective data exchange across all users supported

Clients



Servers



Subsystems



### Client

- Command and control center
- Mobile clients
- Seamless access to all sites

### Master Server

- Manage configuration
- User Management
- Alarm Management

### AQ Server 1 ... N

- Collect sensor data
- Configuration of subsystems
- Track sensor status

### Databases

- Cfg DB: Configuration data
- Inc DB: Incidents reporting
- Rec DB: Sensor data recording



# individual

Multifunctional  
as your task.

From small to huge. From simple to complex. From standard to tailor-made. CRISP comprises of numerous intelligent tools, designed for your exact requirements. The result is always the same, first class security in every situation.

## More CRISP features:

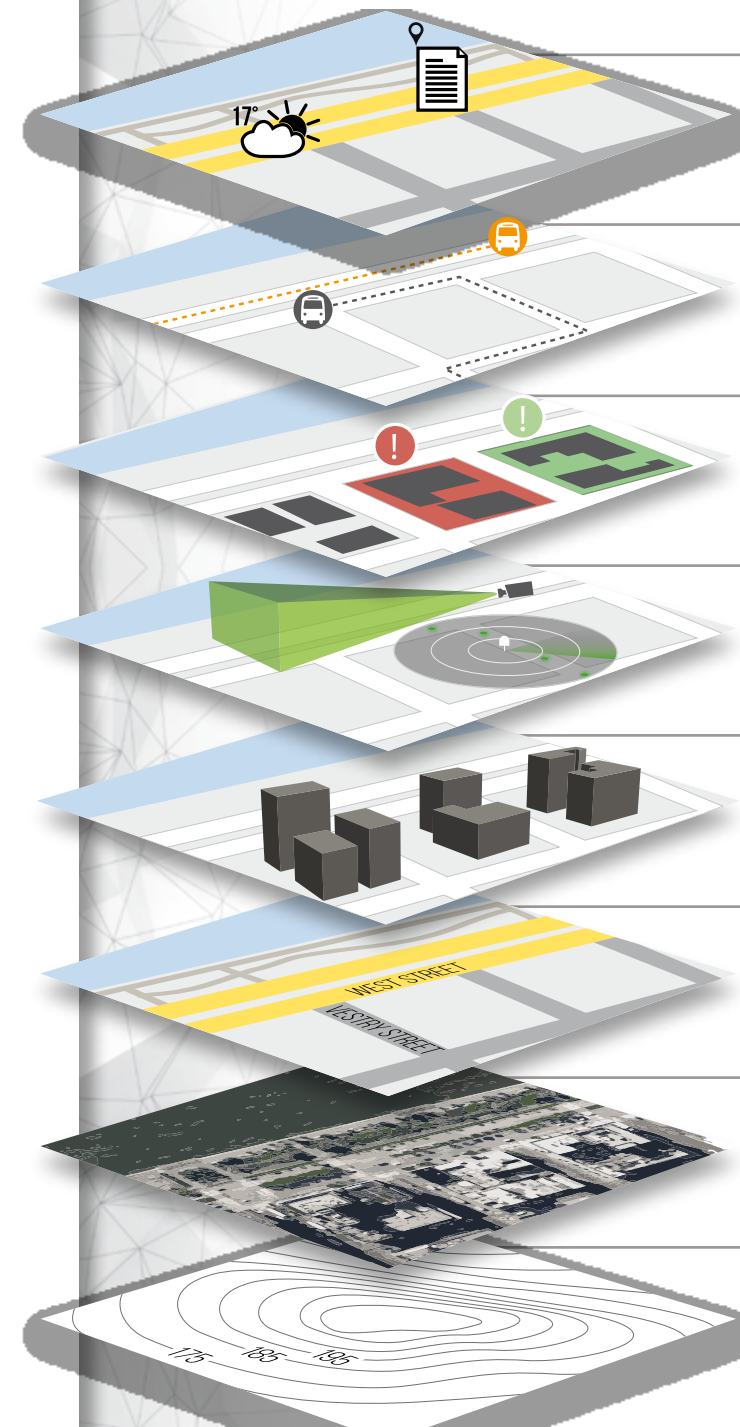
The system consists of two main layers - internal modules and interfaces to different subsystems (third party)

### Internal modules:

- Alarm module (intrusion detection)
- LPR module
- Access control module
- Smart fence module
- Intercom module
- AI Analytics Module
- Radar module
- GIS module
- Face recognition module
- Forensic module
- WALL-VIDEO module
- Hot backup module
- CHAT module
- Etc

### Interfaces:

- Video management system
- 38 different camera manufacturers
- Access controls
- Electronic fences
- Intrusion detection and alarms
- Radars
- Intercom
- Analytics
- I/O and multimedia controllers
- Video wall matrix



# fast



## Your Security is our Strength.

CRISP is a pioneer in the field of digital security and surveillance technologies and is revolutionizing the way organizations and governments protect people, property and assets. The core R&D team of CRISP comprises the combined experience of over 100 man-years and 110 000 installed video channels in over 12 000 installations worldwide.

CRISP is assisting government agencies and enterprise organizations to improve security, reduce risk and increase efficiency.

We are quick to respond, flexible and always at your service. On the topic of security may no time be lost ... we look forward to your call!

## Our Services – Your Success.

### Consultancy at its best

We take a holistic approach to managing critical sites by integrating physical security, intelligence, analytics, training and procedures to proactively deal with threats.

### As unique as your project – Solution Design

We provide to our customers a tailored solution utilising our vast knowledge, industry expertise, concept of operational and system features. These can include an advanced sensor network with analytics, command and control capabilities, intelligence, enrollment, access management, access operation and gate management.

### Highly educated – Training

We train and certify our local partners for system implementation guaranteeing top standards.

### Always at your service – Technical Support and Maintenance

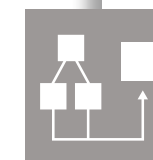
Support is provided locally by certified partners offering a 24/7 hotline and 1<sup>st</sup> and 2<sup>nd</sup> level support. FAST as developer and manufacturer is offering 3<sup>rd</sup> level support.

### Always up to date – Mapping & Photogrammetry

Based on aerial data acquisition by UAV we process geo-referenced ortho-mosaics and digital elevation models. We design 3D Models of buildings and convert 2D floor maps into 3D building models.



Identify demands, requirements or challenges and define designated solutions



Realize solutions based on our CRISP (ISTAR or PSIM) software architecture



Education of system integrators, solution providers and operators



1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> level technical support



GIS data acquisition



# Analytics

## Real-time

Real-time analytics allow for rapid response to pre-defined events, logging of alarms and actions, either to protect critical infrastructures, site premises, perimeters, borders, highways, violence, mass events...

## Review

Quickly review hours of video in minutes or even seconds.

With the CRISP platform, you can use your existing VMS & video sources, import 3rd-party video and export reviewed material all through a single interface

## Case Management

Organize all video assets of an investigation in a single container, bookmark objects of interest, and summarize case findings (including all relevant exhibits) in an exportable report.

## Multi-Camera appearance search

Rapidly pinpoint people and vehicles of interest, using an extensive range of appearance and movement filters, across multiple video sources.

## Trend Analysis

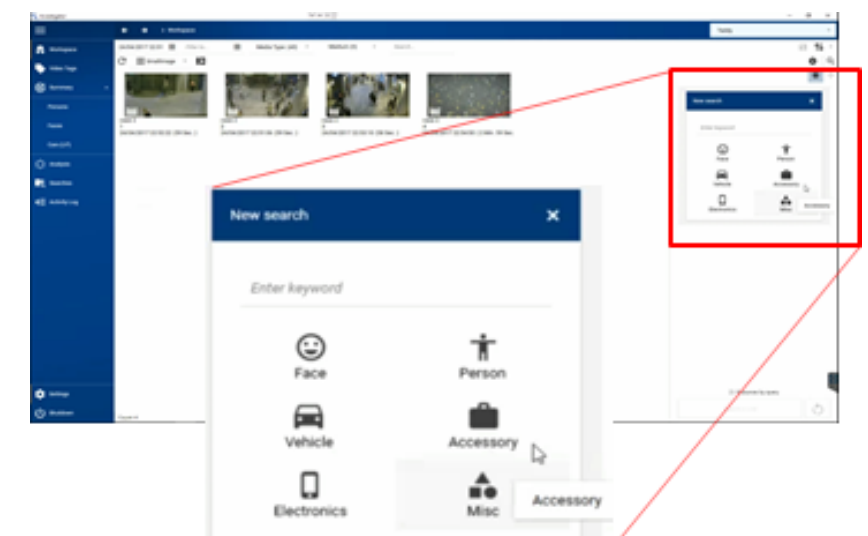
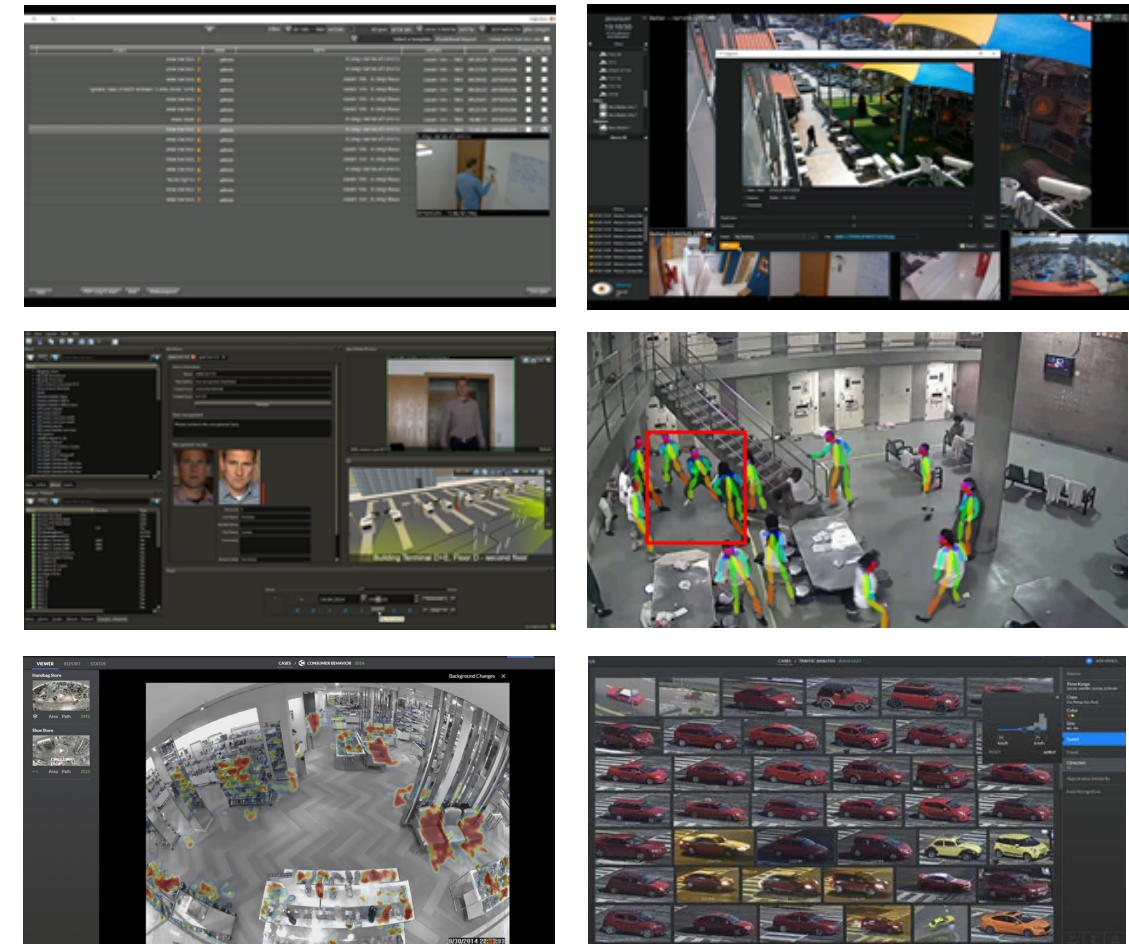
Compare visitor, pedestrian, and traffic patterns of any desired timeframe, i.e. days, months, years, to spot trends, outliers and insights.

## Tracking

Identify & track objects of interest across multiple cameras, near-realtime or in review. Find similar objects in all video streams, including location and timestamp of located object of interest.

## Behavior Analysis

Utilizing advanced Deep-Learning analytics, human behavior and vehicle behavior are analyzed. Set thresholds of alarm for recognized behavior such as violence, panic, disorder, queues, vehicle behavior, traffic jams and much more



smart recognition + rapid response + gapless reporting + timely security

