SCATI
VIDEO MANAGEMENT SYSTEMS

SCATI, your best partner for CCTV.

www.scati.com

info@scati.com

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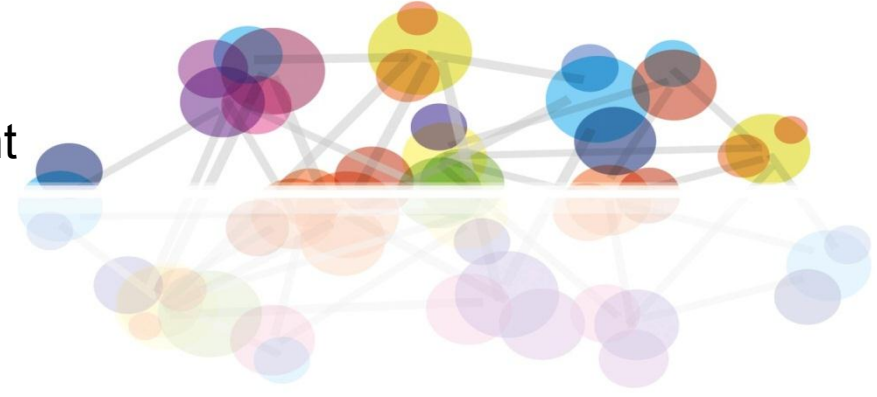

SCATI
VIDEO MANAGEMENT SYSTEMS

Strategic Profile

- Specialized in the designing and manufacturing of **Digital Recording Systems** for **Security**.

- **Own technology** with high levels of innovation in products and services.

- **Global Support** Services, **Technology Consulting** and **Training**.

- Great international expansion. ***Spanish Export Award 2010***.

SCATI at present

- **More than 45 employees**. 50% of staff assigned to R & D.
- Turnover in 2011: **7.2 M €** (20% more than 2010).
- More than **20.000 DVR / NVR installed** in Spain, Mexico, Brazil, Colombia, Venezuela, Argentina, Angola, Portugal and France.
- Constant evolution based on **R & D**. Technology partner.
- **Leading manufacturer** of multi-site environments in Spain and Latin America.
- **Global References.** (*Santander Bank*, *BBVA Bank*, *Citibank*, *TELEFONICA*, …).

Global Presence

❖ **SCATI, Headquarters**: Zaragoza (Spain).

❖ **EUROPEAN SITES:**

- **SCATI Spain Central Area:** Madrid.
- **SCATI Mediterranean Region:** Barcelona.
- **SCATI France & North of Africa:** Paris.

❖ **LATAM SITES:**

- **SCATI Mexico:** Mexico D.F.
- **SCATI Colombia:** Bogota.
- **SCATI Brazil:** Sao Paulo.

❖ **International Presence (sales):**

- **Europe:** Portugal.
- **Africa:** Morocco, Angola.
- **America:** USA, Chile, Peru, Venezuela.
- **Asia:** UAE...

❖ **Expansion Plan:** Eastern Europe, **Turkey**, Russia, North of Africa, Latin America.

SCATI Strengths

1

VM Software for Multiple DVR/NVR & Banking SPECIALIST

- SCATISuite for video recording, management and preventive maintenance of multiple locations, both analog and IP DVRs.
- Complete solutions for corporate buildings, ATM's & branches.
- Integral Monitoring Center for each facility.

2

The key is the MANAGEMENT & AVAILABILITY

- Intelligent and automated systems able to detect any incident and to receive notifications from any event.
- Warranty of registration and image availability through high reliability systems and high grade of self-diagnostic.

3

Event IDENTIFICATION in real-time with probative quality

- High Image quality, high resolution and video compression to identify the event. Identify a crime.
- WDR Solutions in Cameras & High Quality video is required

SCATI Strengths

4 OPEN technologies and CHANGE management

- Integration needs with other security systems
- Ability to evolve to meet future needs
- Easy Upgrade multiple DVR's

5 Customization & adaptation capability

- For a vertical market and a specific client
- Technological partnership to assist to the client in their change process related with video surveillance

6 Global & Local Support Service from manufacturer

- Technological consulting
- Inmediate & Local technical support
- Continued training and recycling

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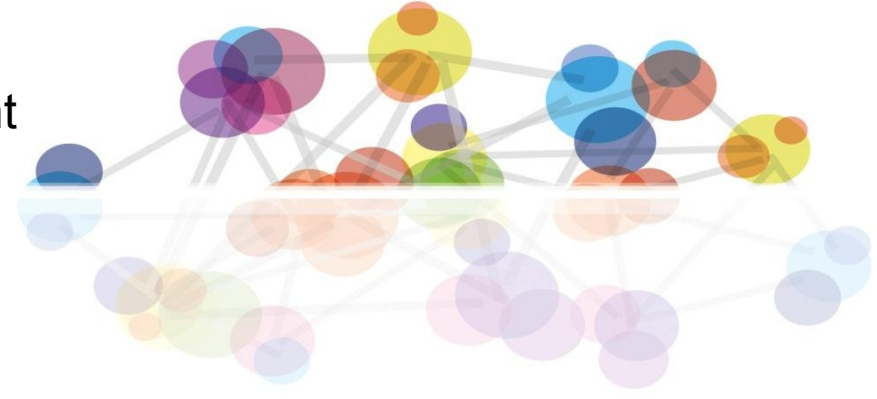


Video Surveillance: VMS (Video Management Systems)

SCATI VISION
Digital Recording
(DVR, NVR, HVR)

SCATI SUITE
Operation-
Management-
Monitoring

SCATI EYE
Cameras

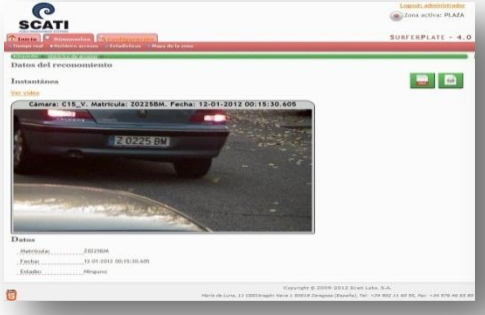
Video Analytics

Security Systems Integration

License Plate Recognition

Acess Control

“Free flow” (traffic systems)

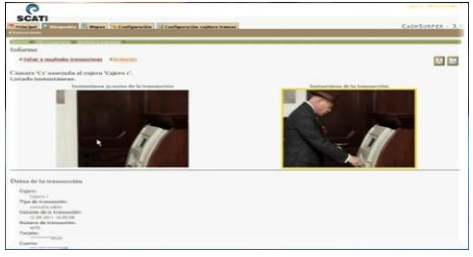


1. LPR

2. Vehicle tracking

3. Statistics

Video for the Business Model

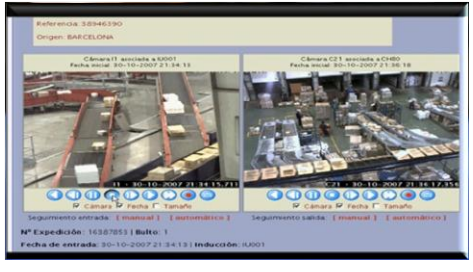


SCATI CASH

- Integration with ATM transaction.
- Identity Recognition.

SCATI TOUCH

- Touch screen.
- Integration of POS (retail, etc.).
- Mass notifications.
- System control (domotics, alarm, etc.)

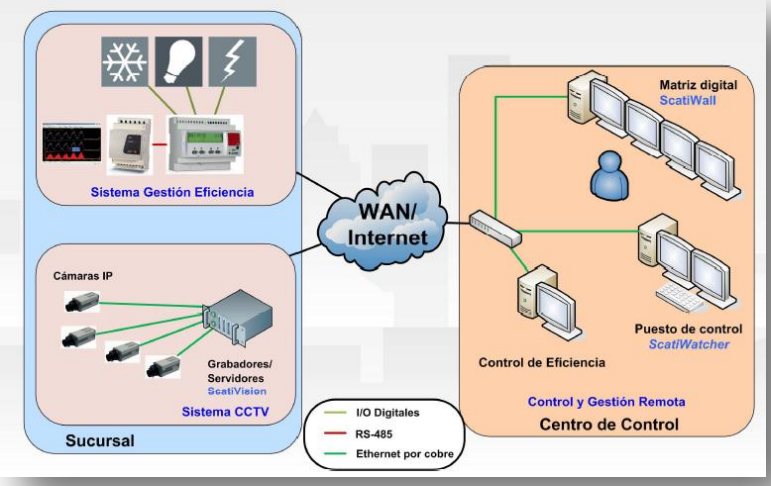


SCATI PARCEL

- Logistics Integration.
- Parcel tracking using video.
- Marketing applications-

Integration:
Energy Efficiency - Security

SCATI ECO POWER



- Automatic switch-on/off for the HVAC systems, Lights and Power.
- Scheduling, Graphical Repports, Integrated webserver.
- Integration with CCTV system.

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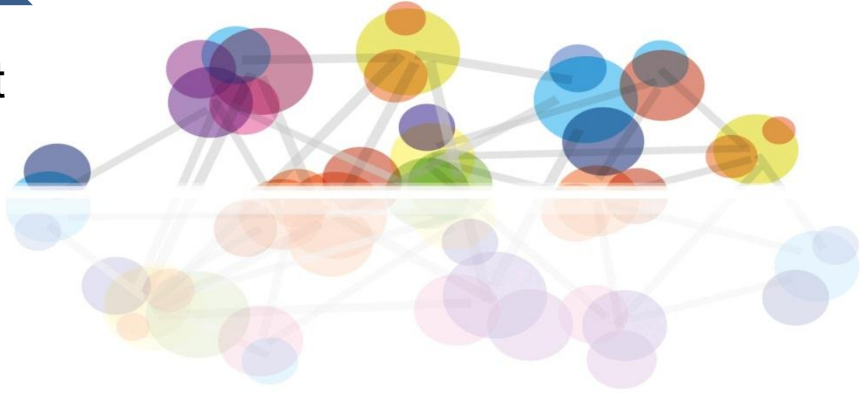

3. Sectorial Application

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VIDEO MANAGEMENT SYSTEMS

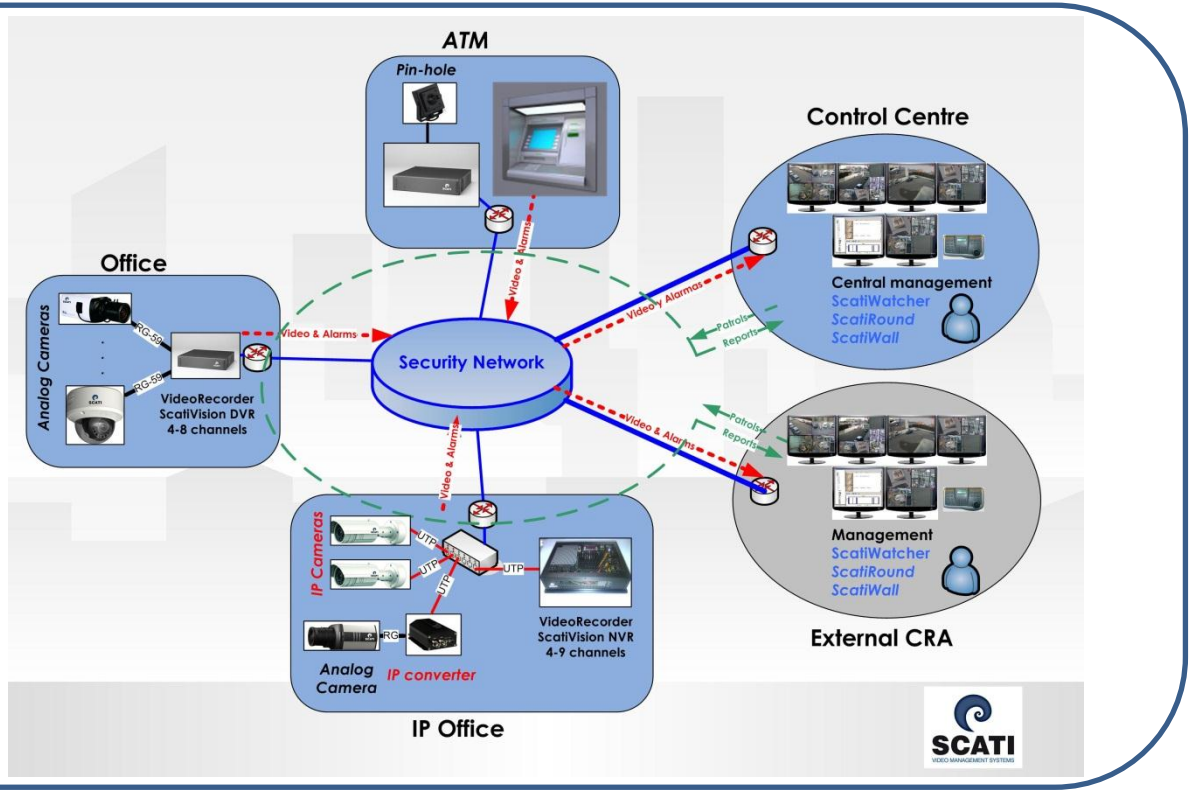
MULTI-SITE

- The SCATI Suite allows managing an unlimited number of DVR / NVR geographically dispersed located from the control center.

CORPORATE FACILITIES

- In response to the complexity of managing large installations, SCATI has developed an **exclusive solution** combining elements of its suite with other third-party applications, in order to simplify the management of these facilities
- Projects Management

Multi-site Architecture



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Multi-site: Potential Market

Banks:

Branches.

Retail:

Chain stores, Hotels, Franchises.

Industry & Energy:

Monitoring of unattended installations.

Country Borders:

Checkpoints network management.

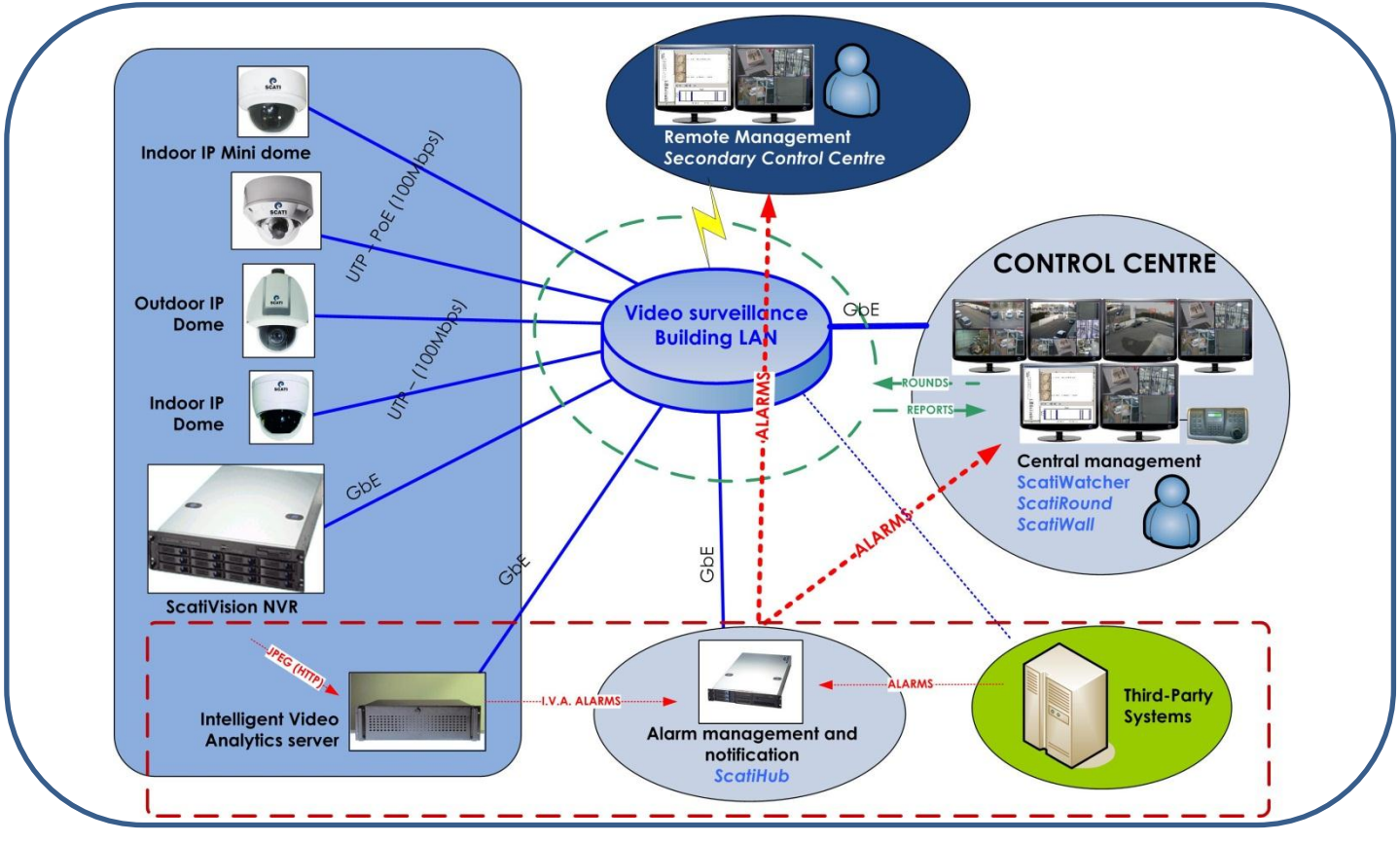
Transport:

Fleet Management.

3. Sectorial Application

SCATI
VIDEO MANAGEMENT SYSTEMS

Corporate Facilities Architecture



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Facilities: Potential Market

Corporate Buildings & Cities

Train Stations, Ports, Airports, Subways, Motorways

Power Plants:

Energy and production facilities, Oil refineries.

Public Buildings:

Municipalities, Universities, Hospitals, Museums, Sports Facilities

Urban CCTV

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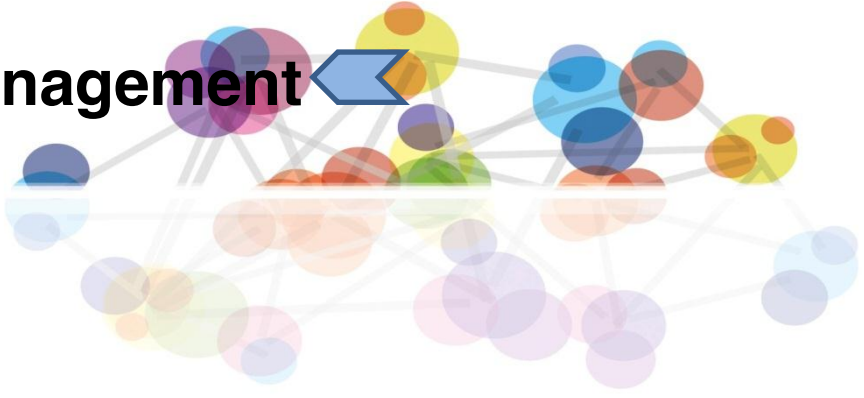

4. Technology Change Management

1 2 3 4 5 6 7

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Technological Partner

"Anticipating the technological needs of a company in five years it is impossible"

Objective:
Search long-term technology partner to face future challenges of adaptation

- Optimal management of change will allow the security system to grow in time without fall into additional costs such as obsolete equipment renewal, new platforms purchases because of new regulations or current and future technologies integration.

  - ✓ Legal
    LOPD in Spain, New 2011 Government Laws (Spain), 052 Norm in Colombia, SEPROBAN in Mexico.
  - ✓ Technology
    New video compression formats, technological evolution of the market.
  - ✓ Corporate
    Companies Merging.

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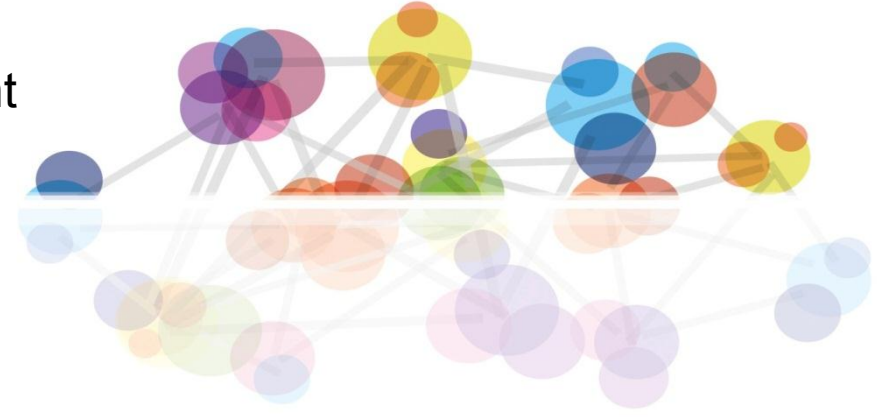
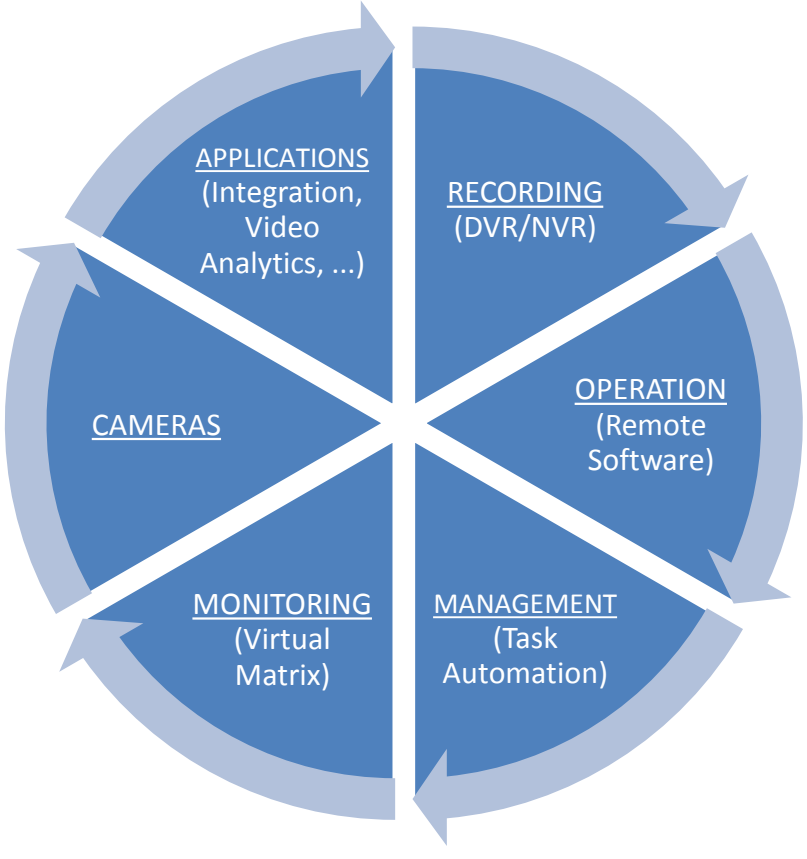


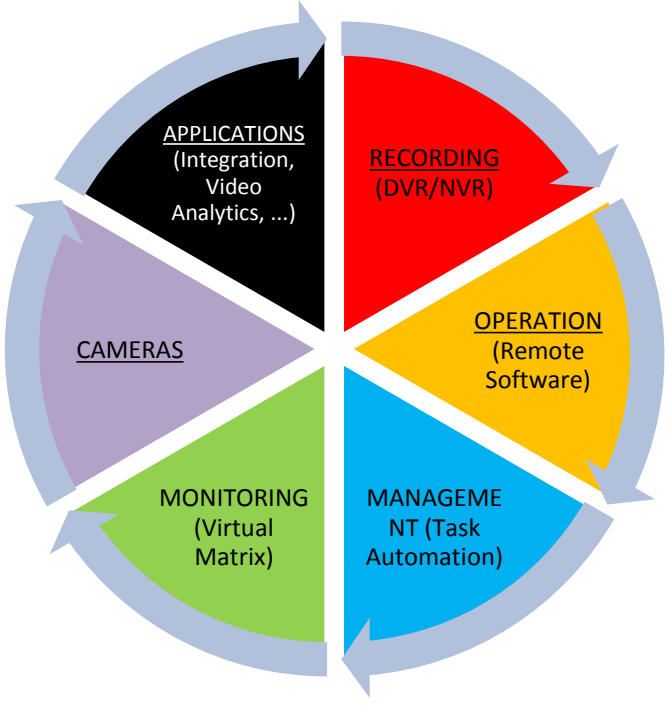
Our Vision

- All Video System for Security have different elements and different features.
- SCATI provides solutions and products for each family of elements, completing a total solution for ***VIDEO MANAGEMENT SYSTEMS***.



5. SCATI Suite

Global Management and Supervision



- Powerful set of applications that offer a quick response to any project.

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Recording

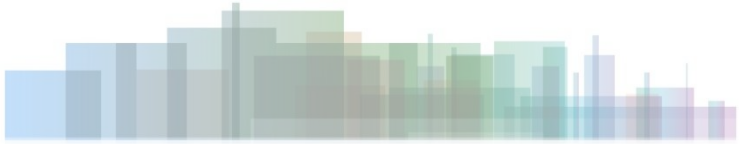
Digital Recording (DVR/NVR): SCATI VISION

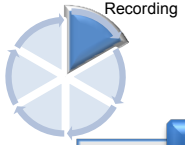
DVR	• Record up to 32 analog cameras.
NVR	• Record up to 128 IP cameras.
Hybrid	• Recording IP/Analog cameras.
Boarded	• Record up to 8 cameras.

Microsoft Windows

- Scati has developed his recording system ***SCATI VISION*** under both, *WINDOWS* and *LINUX* platforms. The client chooses ...

Linux





Equipment & Platform - Benefits

Video Recorders with Embedded Operating System in Compact Flash card

- Analog and IP equipment (Camera brands: ScatiEye, Arecont Vision, Mobotix, ACTi, Axis)
- Video Recorders from 4 to 32 channels.
- From ultra-compact and fanless devices to servers in high availability and redundancy.

H.264 compression format (optimal storage and transmission)

- Maximizing the Dual Stream from IP Cameras ScatiEye.

Hybrid System

- Possibility of recording high-resolution IP cameras (from 1.3 to 5 megapixels) on the same platform.
- Full compatibility with applications management software from the control center → possibility of technological evolution.

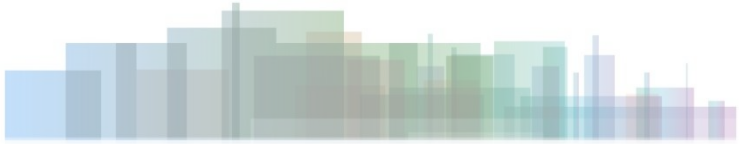
Local recording configurable per channel, up to 25 fps-4CIF per camera

Scalable storage capacity

- Insufficient storage warning.
- Can be mounted on RAID systems.

Connection with up to 20 inputs and 20 outputs via I/O module

- Event recording, continuous recording, watermarking and technical alarms transmission.



Equipment & Platform - Benefits

Customized Software for VIP Clients

- Factory settings, network domains, IT policies, management by DHCP.

Simultaneous search for multiple video cameras with graphical summary

HeartBeat and Watchdog: Self-diagnosis of the Video Recorder

- Alarm groups management techniques.

Adaptation of bandwidth to each scenario

New intelligent video analytics filters

- Motion Detection avoiding false alarms created by repetitive motion (shadows, etc.).
- iTampering (camera sabotage).

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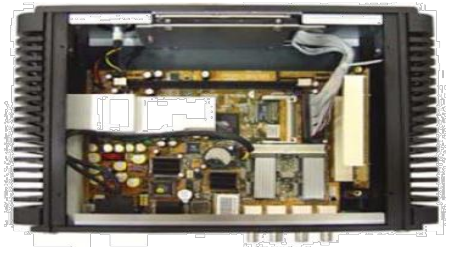
Ultracompact DVR/NVR



- Ultra-compact video recorder. Local recording and IP connectivity
- Mechanical strength (compact memory and embedded systems)
- **12V Power**, FANLESS
- Possibility of alarm sensors (inputs) and relays (outputs)
- Small size, ability to integrate with ATM (multi brand)
- Linux Based (Q3 2011)

Recording

«On board» NVR (Transportation)

Scati Vision Mobile
4 IP Cameras

Scati Vision Mobile
8 IP Cameras

- **Compact On-Board Box**
- 4/8 IP cameras. Embedded PoE switch.
- Power Supply: 9-30V DC (vehicle adapted).
- Operative Temperature: -5 to 55ºC.
- 2 x GigaEthernet.
- **“Turn-on Module”: programmed delay during vehicle’s turn on/off.**
- **External modules: WIFI, 3G, GPS, etc.**

5. SCATI Suite

1 2 3 4 5 6 7

Standard DVR/NVR

- **Compact Box** (95 H x 320 W x 375 D mm).
- Video Outputs: 1 VGA + 1 DVI.
- Power Supply: Internal (270W max.).
- Storage: 1 HDD of 2TB max.

- **19" Rack (4U)** (175 H x 485 W x 550 D mm).
- Video Outputs : 1 VGA + 1 VGA + HDMI.
- Power Supply Internal (550W max.).
- Storage : Up to 3 HDD of 2TB e.u. Total 6TB.

5. SCATI Suite

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VIDEO MANAGEMENT SYSTEMS

Recording

High Performance DVR/NVR

- **19'' Rack (2U)** (88 H x 430 W x 660 D mm).
- Redundant Power Supply: 2 x 550W.
- Redundant GigaEthernet (2 x 10/100/1000).
- Storage: Up to 8 HDD of 2TB e.u. Total: 16TB.
- Hot Swap HDD.
- RAID6 Configuration, up to 2HDD down->**12TB Real Storage**

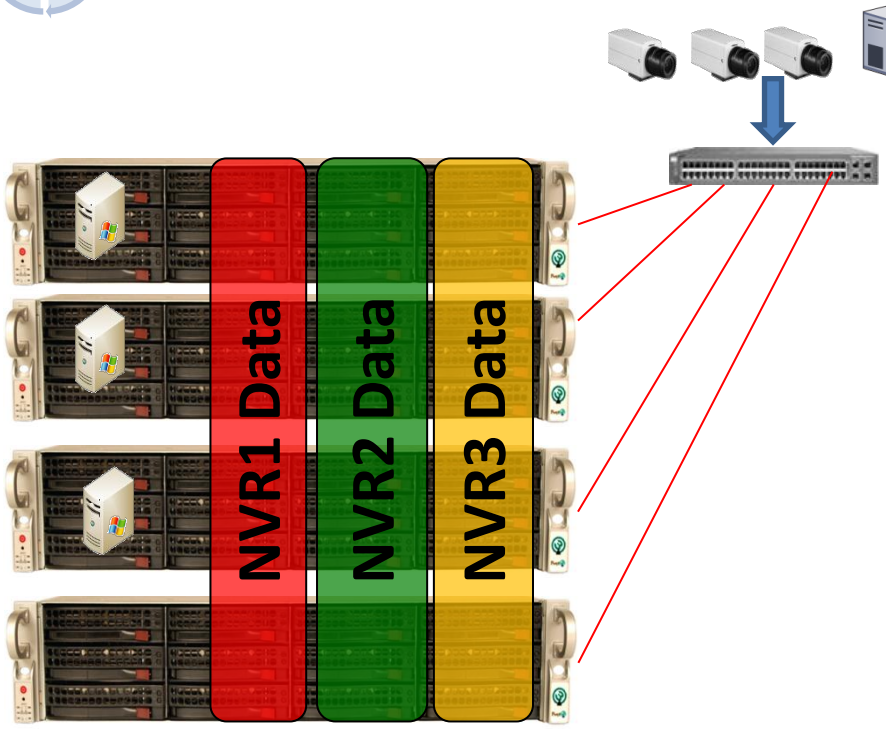
- **19'' Rack (3U)** (132 H x 430 W x 660 D mm).
- Redundant Power Supply : 2 x 550W.
- Redundant GigaEthernet (2 x 10/100/1000).
- Storage: Up to 12 HDD of 2TB e.u. Total: 24TB.
- Hot Swap HDD.
- RAID6 Configuration, up to 2HDD down ->**20TB Real Storage**

- **19'' Rack (4U)** (175 H x 430 W x 660 D mm).
- Redundant Power Supply : 2 x 550W.
- Redundant GigaEthernet (2 x 10/100/1000).
- Storage: Up to 16 HDD 2TB e.u. Total: 32TB.
- Hot Swap HDD.
- RAID6 Configuration, up to 2HDD down->**28TB Real Storage**

Recording

Advanced IP Systems

«High Capacity Storage – Hardware Redundancy»



- Up to **12 clustered servers**, 12 HDD each server with 2TB e.u. -> **288TB Storage**.
- SAN server, a virtual machine on each server.
- Distributed Storage of **HIGH CAPACITY.**
- **FAILOVER** of virtual machines -> if one server crashes, another server replaces automatically.

- IP systems for recording and management of **HIGH AVAILABILITY, REDUNDANCY** with Failover of Servers.

5. SCATI Suite

Operation

Operation: SCATI WATCHER

Remote viewing of all locations

Remote configuration capability of all systems and centralized Database for multiple control operators

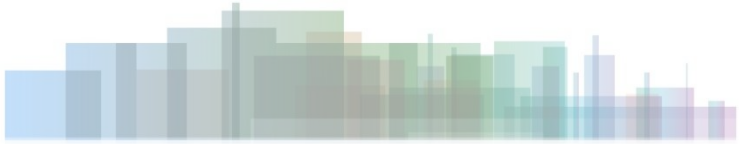
Multitasking, multiple simultaneous downloads of images, parallel exploitation

Real-time information systems status (Heartbeat and technical Alarms).

Filter by state heartbeat

Regulation of quality of viewing real-time images and videos recorded for adaptation to available bandwidth

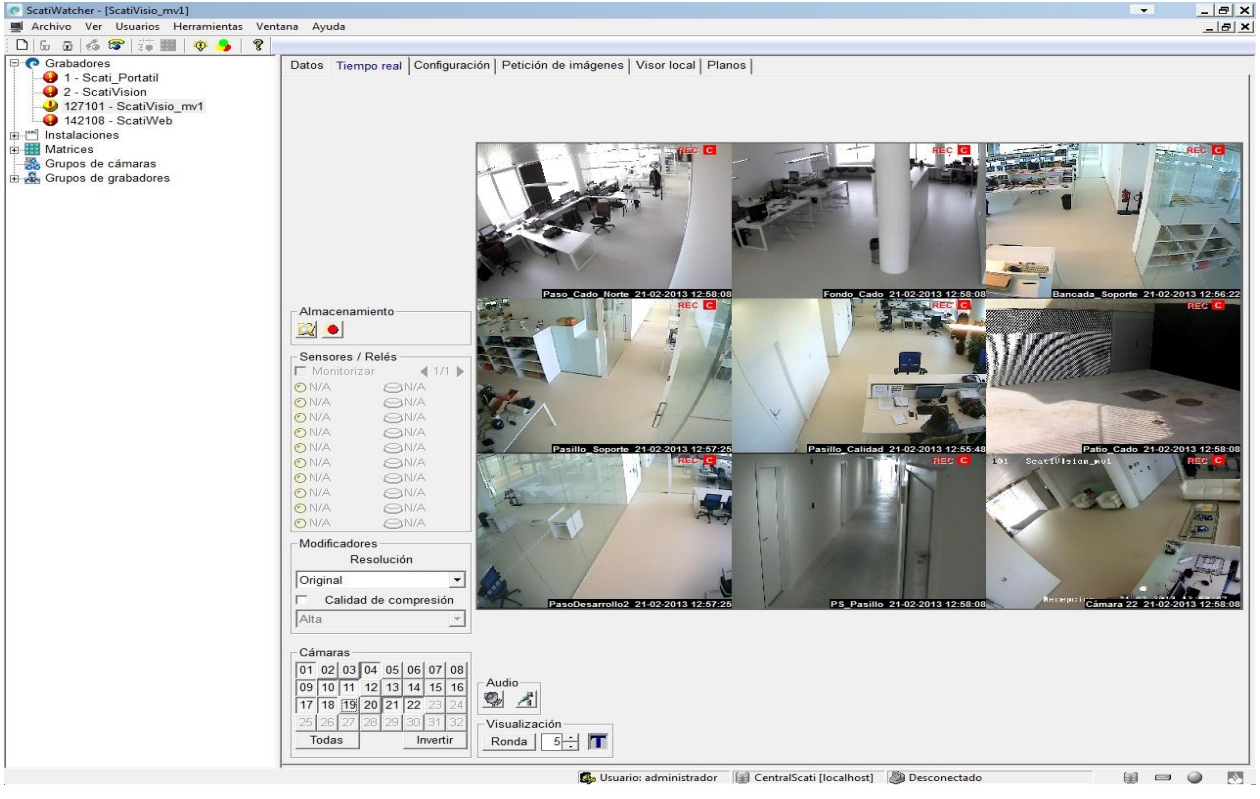
Event reception, management of groups of video recorders



SCATI VIDEO MANAGEMENT SYSTEMS

Operation

Operation: SCATI WATCHER

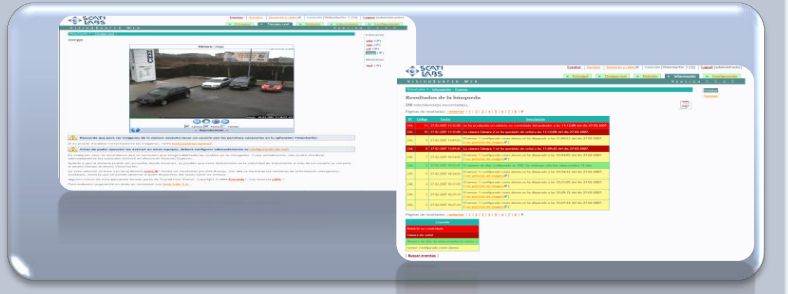


Basic Management

Management

ScatiVision

All DVR allow local management through the graphical user interface through a monitor, keyboard and mouse connected directly to DVR. The local monitoring is compatible with the remote to manage all local system capabilities



ScatiVision WEB

Direct access from web browser to the local DVR. It is not necessary to install the application. Embedded Web server on your computer at no additional cost. Real-time view, retrieval of videos. Simplified interface, intuitive, graphical.

Advanced Management: Local and Remote

Management

ScatiTouch

Personalized management by simple interface on touchmonitor. You do not need training. Real-time view and image recovery. Video frame and USB memory dump. Receiving alerts (Customized information from the Control Center).

ScatiWatcher

Operating software applications installed on PCs. Real-time view, retrieval of video and alarm reception. Control inputs and outputs. Record videos in real time. Management floor plan.

ScatiWall

Advanced monitoring software application in real time and HD. Possibility of connecting up to 4 monitors per seat. Real-time view up to 64 cameras simultaneously, digital zoom, PTZ control and alarm reception. Management of scenarios.

Management

Automatic Management: SCATI ROUND

Automatic and Periodic Management Systems State

- Immediate or deferred execution and / or scheduled.

Rounds of State

- Scheduling downloads.
- Obtaining the list of cumulative incidence.
- Checking the days of stored images.
- Checking the status of the cameras and compared with reference images.
- Automatic time synchronization systems (taking time zones).
- Major updates to the entire park or groups.

Generate Reports and Export Results

Web access to reports from multiple positions with username / password

5. SCATI Suite

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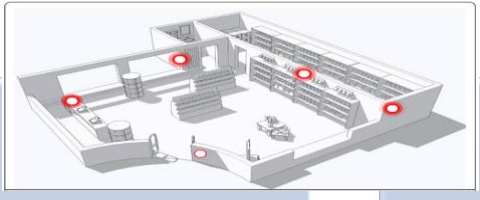
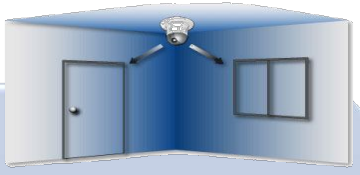
Management

Video Alarms: SCATI HUB





Alarm Manager

Application that centralizes the alarms of the system, allows the association of events and automatic actions on the monitoring applications and facilitates integration with third parties (other security elements or subsystems).

Features

- Alarm management for groups and schedules
- «Pop-Up» of video channels in alarm
- Domes presets
- Activation of the recording or Change Settings
- Dissemination of alerts to signed operators

5. SCATI Suite

Monitoring

Monitoring: SCATI WALL

- **Monitoring** of any camera from any computer
- Virtual matrix of up to **64 cameras and 4 monitors** per seat
- **Scalability Control Center:** they can install the required number of ScatiWall based on full or partial database
- **Flexible viewing formats** (1 +5, PIP, etc..) Possibility of connection to advanced visualization systems
- Creating and managing **scenarios**
- **Digital zoom** for identification
- **Alarm Receiving** images, associated with events

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Monitoring

Mobile access: SCATI MOBILE

Mobility Monitoring and Management

ScatiMobile Pro

Access from mobile terminal to the video system via GPRS/3G-3, 5G. Access to any camera in real time, live and recorded videos. Control PTZ camera. Management of inputs and outputs. Receive alerts via SMS.

MOBILITY SUPPORT TO SECURITY PERSONNEL IN ROUND, and SECURITY MANAGERS

SCATI
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Cameras

Cameras: SCATI EYE

❖ Analog Camera Range:

- Wide range adapted to the needs of the project.
- Standard body cameras, minidono, IR integrated, PTZ domes, etc..
- High resolution (540 TVL).
- Special cameras for specific applications: license plate recognition, access control, etc..
- Wide Dynamic Range (WDR) for backlight compensation.
- Mounting accessories (lenses, brackets, housings, etc.).

5. SCATI Suite

1 2 3 4 5 6 7

Cameras

Cameras: SCATI EYE

❖ IP Camera Range:

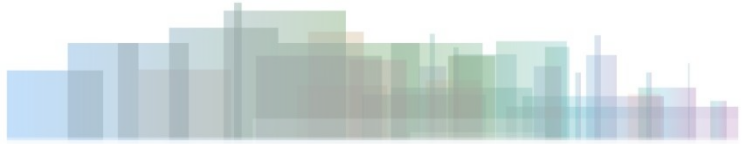
- Wide range adapted to the needs of the project.
- Standard body cameras, minidono, IR integrated, PTZ domes, 360º vision, and so on.
- Video compression algorithm ***H.264***.
- Resolutions ***from VGA to 5 Megapixels***. Processing of 25 ips.
- **Multi-stream** technology and ***PoE***.
- Special cameras for specific applications: license plate recognition, access control, etc.
- Approval equipment shipped by rail (UNE-EN50155).
- Mounting accessories (lenses, brackets, housings, etc.).

Cameras

Cameras: SCATI EYE

❖ Intelligent IP Cameras:

- Full range of **IP cameras** with «**Built-in**» **Video Analytics**.
- **IP Thermal** cameras with «Built-in» Video Analytics.
- **Video encoder** with «Built-in» Video Analytics to use in existing analog cameras.
- Detection Filters:
  - Intrusion Detection / Tracking.
  - Counting (people, cars, events, etc.).
  - Object Classification (with 3D video analytics). Class and speed.
  - Direction and dwell.
  - PTZ Auto tracking.



SCATI
VIDEO MANAGEMENT SYSTEMS

Cameras: SCATI EYE

❖ In addition, Scati is compatible with:

AXIS COMMUNICATIONS

Security-Vision-Systems MOBOTIX

Arecont Vision

ACTi

➢ **Also**: Any camera that supports RTP / RTSP for video streaming.

❖ Compatibility with:

ONVIF

PSIA
PHYSICAL SECURITY INTEROPERABILITY ALLIANCE

SCATI
VIDEO MANAGEMENT SYSTEMS

Applications

Intelligent Video Analytics (*I.V.A*)

I.V.A Scati

- SCATI self-development.
- Abandoned object detection.
- Filter for repetitive motion.
- *iTampering*: detection camera covered, tampered with or moved.
- Face Detection.

Integration with *iOmniscient*

- Dedicated machines.
- Events detected visible in the Control Center with SCATI applications (single interface).
- Detection levels regulated by license.

«On board» I.V.A

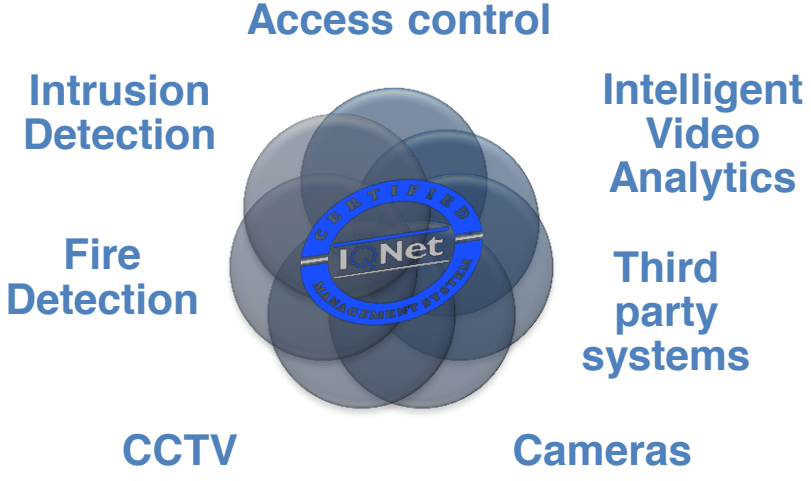
- Image processing performed in IP camera.
- Multiple detection events (tracking, counting, intrusion, loitering, speed, trajectory, etc.)..
- Does not require dedicated machine.

SCATI
VIDEO MANAGEMENT SYSTEMS

Applications

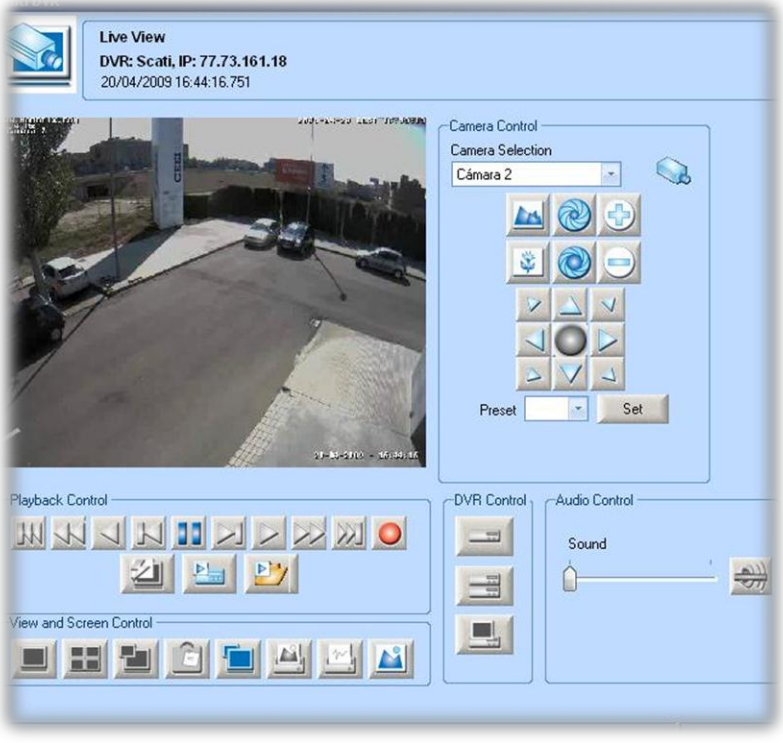
Integration

- Choosing open standards-based platforms that allow further add value in managing the integration of CCTV with the current and future technologies and with different security devices.
- SCATI is a Technology Partner providing R & D itself able to meet the challenges of integration.



Applications

Integration



- SCATI Suite enables integration of third party systems through the use of SDK.
- ActiveX integration to include access to live video, video recorder, download, telemetry, etc.. with third-party tools.
- Alarm and Event Management using XML.
- *Crono, DESICO, Mastermind, PACOM, DORLET, SETELSA, Siemens (in process)…*

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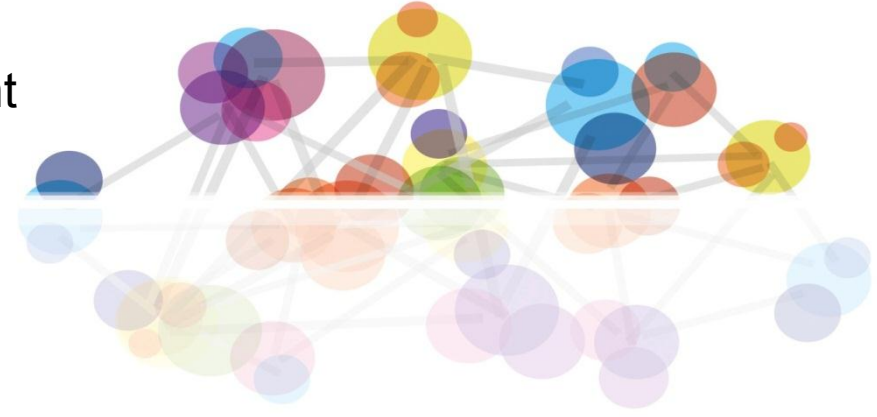


C District (Spain)

Project Features

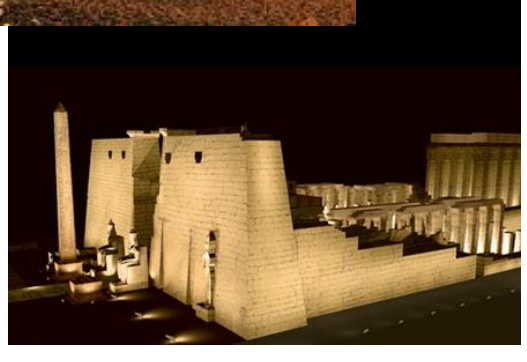
- **Description:** *Telefonica*'s Corporate Headquarters (HQ).
- **Cameras:** 1.400 cameras.
- **Elements**:
  - ✓ 50 ScatiVision DVR.
  - ✓ 20 ScatiWall.
  - ✓ 20 ScatiWatcher.
  - ✓ ScatiHub.
  - ✓ Intelligent Video Analytics for perimeter protection in more than 100 cameras.
- **Integration:** Video (SCATI) & Access Control (DORLET).
- **Distinctive features:**
  - ✓ Using multi-cast alarm distribution through ScatiHub.
  - ✓ Image analysis for perimeter protection in more than 100 cameras.
  - ✓ Management and monitoring alarms from Singular Building.

- About *TELEFONICA*: spanish company, is one of the world leaders integrated operator in the telecommunication sector, with presence in Europe, Africa and Latin America. It operates in 25 countries. *Telefonica'*s total number of customers amount to 299.7 millions.

Archeological Sites: West Luxor & Gizah (Egypt Pyramids)

Project Features

- **Description:** Integral Security Solution for the main archeological site in Egypt (one of the 7 Wonders of the Ancient World and nowadays Wonder Honor).
  - ✓ Terrorism and vandalism prevention.
  - ✓ Increase the number of visitors without altering the heritage.
- **Elements**:
  - ✓ 100 cameras (Megapixel -*ScatiEye*-, Analog -*Bosch*-, Thermal -*Ganz*-).
  - ✓ 7 ScatiVision NVR.
  - ✓ 4 Video Analysis Servers.
  - ✓ 3 ScatiWall.
  - ✓ 4 ScatiWatcher.
  - ✓ 52 cameras using Intrusion Detection Video Analytics .
- **Distinctive Features:**
  - ✓ IP Video Solution with High Resolution and Video Analytics for Intrusion Detection.
  - ✓ 2 Redundant Control Centres (Gizah).



Collserola Tower (Barcelona-Spain)

Project Features

- **Description:** IP CCTV Integral Security Solution for one of the most important communication nodes in the country (**CRITICAL INFRASTRUCTURE**).
  - ✓ Terrorism and Vandalism prevention.
  - ✓ State of the art IP CCTV systems: thermal image with embedded Video Analytics, Perimeter Intrusion Detection with Video Analytics, Auto-tracking PTZ domes, Massive Storage with Failover capabilities.
- **Elements**:
  - ✓ 100 IP cameras -*Scati Eye*- Megapixel resolution and Embedded Video Analytics.
  - ✓ Fixed cameras, Minidomes and PTZ Domes.
  - ✓ 12 Thermal cameras with Embedded Video Analytics.
  - ✓ 4 NVRs with Failover Capabilities and Massive Storage (48TB).
  - ✓ 1 *ScatiWall*: Control Room with Video Wall for Monitoring.
  - ✓ 3 *ScatiWatcher*: 3 Security Operators distributed in the IP network.
- **Distinctive Features :**
  - ✓ IP Video Solution with High Resolution and Video Analytics for the perimeter protection.
  - ✓ Redundant-Massive Storage based in NVRs with Failover Capabilitites.

BANKIA Tower (Spain)

Project Features

- **Description:** *BANKIA* Corporate Headquarters (HQ).
- **Cámaras**: 500 IP Megapixel cameras (ScatiEye and Arecont Vision). 3 Megapixel resolution used in cameras.
- **Elements**:
  - ✓ 20 ScatiVision NVR.
  - ✓ ScatiWall.
  - ✓ 7 ScatiWatcher.
  - ✓ ScatiHub.
  - ✓ Intelligent Video Analytics for perimeter protection .
- **Integration**: Access Control System from *Gunnebo* (SMI).
- **Distinctive features:**
  - ✓ Very high resolution cameras integrated.
  - ✓ Multi-cast distribution of alarms (ScatiHub deployed).
  - ✓ Intelligent Video Analytics
  - ✓ Alarms Management and monitoring.
- **Partner**: Chillida/Gunnebo

Bankia

- About *BANKIA*: it's the result of a merge between 7 spanish finantial entities, the main one, *CAJA MADRID*. *Bankia* it's the fourth largest bank in Spain, with international presence and more than 12 million customers.

Critical government facility

Project Features

- **Description:** Video surveillance system for an entire perimeter of more than 20 km. and access to a major public facility. It includes intelligent video analysis in all its cameras to perimeter intrusion detection and counting in the booths of access. Video system integration with access control system.
- **Cameras**: 150 cameras (three concentric rings with fixed, thermal and PTZ cameras).
- **Elements**:
  - ✓ 5 DVR, 5TB Storage e.u.
  - ✓ 7 SurferWatcher
  - ✓ 4 SurferWall
  - ✓ SurferHub in Back-up mode.
- **Integration**: : Integration with access control system of *Setelsa*.
- **Distinctive features:**
  - ✓ Intelligent Video Analytics System.
  - ✓ Integration with access control system.
  - ✓ Distribution of all security alarm system through SurferHub.

Movistar Tower (Mexico)

Project Features

- **Description**: *Movistar* Mexico's Corporate Headquarters
- **Cameras**: 250 cameras.
- **Elements**:
  - ✓ 30 ScatiVision NVR.
  - ✓ 1 ScatiWall.
  - ✓ 4 ScatiWatcher.
  - ✓ 1 ScatiHub.
  - ✓ Intelligent Video Analytics for perimeter protection in more than 15 cameras.
- **Integration:** Corporate Management *Movistar* buildings of the Mexican Republic.
- **Distinctive features**:
  - ✓ Using multi-cast distribution of alarms by ScatiHub.
  - ✓ Image analysis for perimeter protection.
  - ✓ Alarm monitoring and management of *Movistar* buildings in Mexico.
- **Partner**: *Telefonica Ingeniería de Seguridad (TIS).*

- About *MOVISTAR*: it's one of the 5 brands of the spanish telecom operator, *TELEFONICA*. It has become the trademark in Spain and Latin America for all *TELEFONICA*'s landline and mobile products and services.

Santander Bank (Spain)

Project Features

- **Description:** Video Recording System and Remote Management in the 2.500 branches of *Santander Bank* in Spain. Local management in each branch through specific touch interface.
- **Elements**:
  - ✓ 2.500 DVR/NVR 4 and 8 channels.
  - ✓ Peripherals: KVM, UPS, Touch screen, USB pen.
  - ✓ ScatiWall and ScatiWatcher in the Control Center (placed in Madrid, in "*Santander City*", Madrid, Corparate Headquarters of the bank).
- **Distinctive features:**
  - ✓ Custom Development according to *Santander Bank* requirements.
  - ✓ Touch Management.
  - ✓ Flexible platform for the software and hardware solution development.
  - ✓ Bi-directional audio (VoIP).

* About *Santander Bank*: The Santander Group is the fourth largest bank in the world by profits and eighth by stock market capitalisation. Santander offers its 91 million customers a wide range of financial products and services through its 13.660 branches all over the world.

Santander Bank (LATAM)

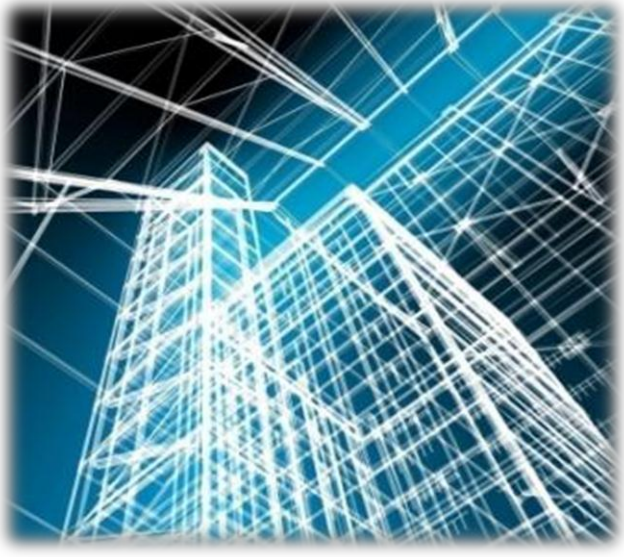
Project Features

- **Description:** Video Recording System and Remote Management in 1.300 branches of *Santander Bank* in Latin America.
- **Mexico**:
  - ✓ 950 branches. 16 channels ScatiVision DVRs.
  - ✓ Singular Buildings.
- **Colombia:**
  - ✓ 100 branches. ScatiVision DVRs.
  - ✓ ATM Integration (ScatiCash).
- **Brazil:**
  - ✓ 250 branches. ScatiVision DVRs.

Montepríncipe & Alhambra Buildings (Spain)

Project Features

- **Description:** Buildings of the *Santander City (Santander Bank* Corporate Headquarters*)*. More than 2.000 employees at the facility.
- **Elements**:
  - ✓ CCTV systems to manage around 100 cameras.
  - ✓ Integration with the facility's access control system.
  - ✓ Image analysis to protect the perimeter of the building.
  - ✓ Centralized monitoring and management.
- **Distinctive features**:
  - ✓ Integrated video platform, access and image analysis.
  - ✓ Multi-system integration and system-based Great-See in a single environment.



BBVA Bank (LATAM)

Project Features

- **Description:** Video Recording System and Remote Management in more than 2.700 branches of *BBVA Bank* in Latin America.
- **Mexico**:
  - ✓ 1.840 branches. ScatiVision DVRs.
  - ✓ Cameras.
- **Colombia:**
  - ✓ 400 branches. ScatiVision DVRs.
  - ✓ 350 ATM Integration (ScatiCash).
  - ✓ Cameras (WDR).
  - ✓ Corporate Building.
- **Venezuela:**
  - ✓ 350 branches. ScatiVision DVRs.
  - ✓ Corporate Building.
- **Peru:**
  - ✓ 150 branches. ScatiVision DVRs.

BANKS	AFS*	SUCURSALES	REP. OFFICES
Argentina	Bolivia	Brussles (Belgium)	Beijing(CHina)
Chile	Chile	Frankfurt (Germany)	Geneve(Switzerland)
Colombia	Colombia	New York (USA)	Mumbai(India)
USA	Ecuador	Miami(USA)	Moscow(Russia)
Spain	Mexico	Paris(France)	Sao Paulo(Brasil)
Mexico	Peru	Hong Kong(China)	Seoul(South Corea)
Panama		Mila(Italy)	Shanghai(China)
Paraguay	* Pension Funds managers & administrators	Singapore(Singapore)	Sydeny(Australia)
Peru		Tokyo(Japan)	Taipei(Taiwan)
Portugal		London(UK)	
Puerto rico			
Switzerland			
Uruguay			
Venezuela			

* About *BBVA Bank*: BBVA is a financial group company with presence in 32 Countries, with more than 35 million customers, 95.000 employees and 7.500 branches. The franchise over Latin America is one of the leader of the region and also BBVA has launched in expansion plan over EEUU and Asia.

BBVA Seproban (Mexico)

Project Features

- **Description**: Upgrade of DVRs *Xpectra*, the Bank had at that time, to ScatiVision Suite. Tools and software applications were installed over the native hardware in order to integrate the bank branches recorders with the ScatiWatcher Alarm management Control. Thus, in case of assault, the sending of images from the bank branch to the Seproban FTP could be done, as required by Mexican law.
- **Cameras**: 36.000.
- **Elements**:
  - ✓ 2.000 ScatiVision DVR (Seproban version).
  - ✓ ScatiWatcher.
  - ✓ ScatiWall.
  - ✓ ScatiRound.
- **Partner (Installator)**: *Telefonica Ingeniería de Seguridad (*TIS).
- **Distinctive features**:
  - ✓ Seproban.
  - ✓ Sending of 360 images every 180 seconds from the Alarm Management Center to the FTP Finantial Protection Service.

BBVA Bancomer

Video systems for High-Speed Rail (HSR)

Project Features

- **Description**: Video recording systems and other railway equipment (cameras) required for High-speed Trains.
- **Cameras**: IP Cameras railway standards compliance (UNE-EN50155).
- **Elements**:
  - ✓ Onboard NVR system, installed on the Customer proprietary hardware using LINUX OS.
  - ✓ SurferWatcher.
  - ✓ SurferWall.
  - ✓ SurferHub.
  - ✓ SurferRound.
- **Integration**: Collaboration with Partners to provide development tools for integration into the management system elements of the train.
- **Distinctive features:**
  - ✓ Sale of IP recording licenses for installation on the train specific platform.

Schools (Brazil)

Project Features

- **Description**: Recording with 5 channel stand-alone DVRs in each of the 1.587 state schools in São Paulo.
- **Cameras**: 8.000.
- **Elements**:
  - ✓ 1.587 MicroScati (Entry level DVR).
  - ✓ ScatiClient remote software. Every Operator controls 250 MicroScati.
- **Distinctive features**:
  - ✓ Low-cost solution with high availability and reliability.

Carrefour (Spain)

Project Features

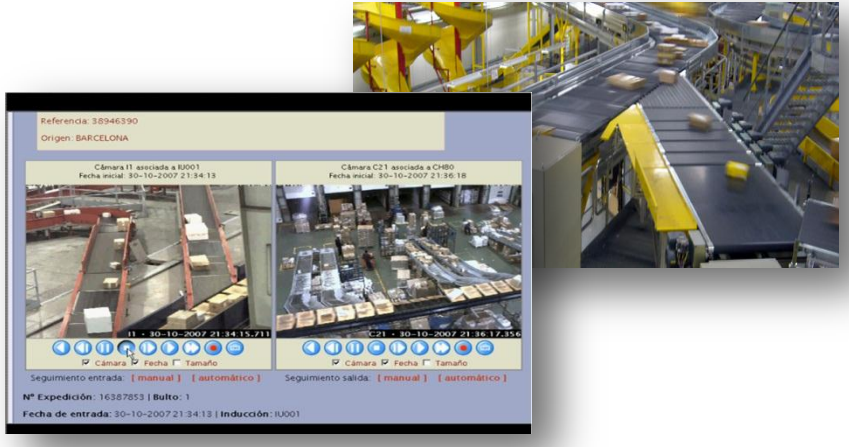
- **Description**: Video surveillance system for all national (Spain) Carrefour malls. Main Control Room placed in Madrid and Secondary Control Room in Barcelona, as a back-up of the first one.
- **Elements**:
  - ✓ 109 ScatiVision DVRs.
  - ✓ 8 ScatiWatcher.
  - ✓ 4 ScatiWall.
  - ✓ ScatiRound.
- **Integrations**: Communications gateway for remote control of conmutation *American Dynamics / Sensormatic* VM96 matrixes through Touch Tracker keyboard.

- About *CARREFOUR*: The world's 2nd largest retailer and the 1st in Europe, the group currently operates four main grocery store formats: hypermarkets, supermarkets, cash&carry and convenience stores. The Carrefour group currently has over 9.500 stores in 32 countries.

Integra2 (Spain)

Project Features

- **Description**: Advanced video surveillance system with specific application of packages tracing in the Getafe´s center distribution
- **Cameras**: 200 IP high resolution cameras (Megapixel).
- **Elements**:
  - ✓ 12 IP ScatiVision NVR.
  - ✓ ScatiWatcher.
  - ✓ ParcelScati (integration web application).
- **Distinctive features**:
  - ✓ Video integration with client processes
  - ✓ Search customization
  - ✓ Double objective achieved: Security and Operating control.
  - ✓ Technological image for the customer (marketing tool).



- About *INTEGRA2*: *Integra2* forms part of the *Logista Group*, the leading integral logistics operator in Spain and Portugal and one of the most important in Europe. *Integra2* specialises in industrial and commercial package transportation, with 1.000 vehicles and 57 operating centres.

Arcelor Mittal (Spain)

Project Features

- **Description**: Industrial steel mill. Tanks coupling control in the process of pouring the incandescent iron.
- **Cameras**: 200 IP high resolution cameras (Megapixel).
- **Distinctive features:**
  - ✓ Visual checking of the process from the operator´s crane cab by means of a touch screen.
  - ✓ Highly specialized cameras in a high temperature environment.
  - ✓ Wireless communication with crane cabs.
  - ✓ Local control center with ScatiWall and ScatiWatcher.

- About *ARCELOR MITTAL*: *Arcelor Mittal* is the world's leading integrated steel and mining company, with a presence in more than 60 countries.

Solar Farms (Spain)

Project Features

- **Description**: **:** Several photovoltaic plants with a perimeter for surveillance.
- **Cameras:** Generally with IR analogic cameras every 50 meters.
- **Distinctive features**:
  - ✓ Image analysis for the protection of the whole perimeter.
  - ✓ Completely disregarded center.
  - ✓ Alarm Management Center connection for real-time reception of alarm images.
  - ✓ Fast performance of Alarm Management Center.

TSK
Electrónica y Electricidad, S. A.

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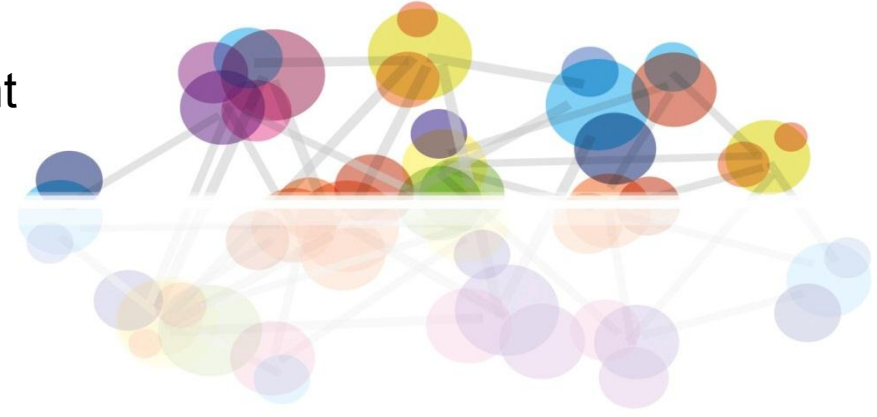

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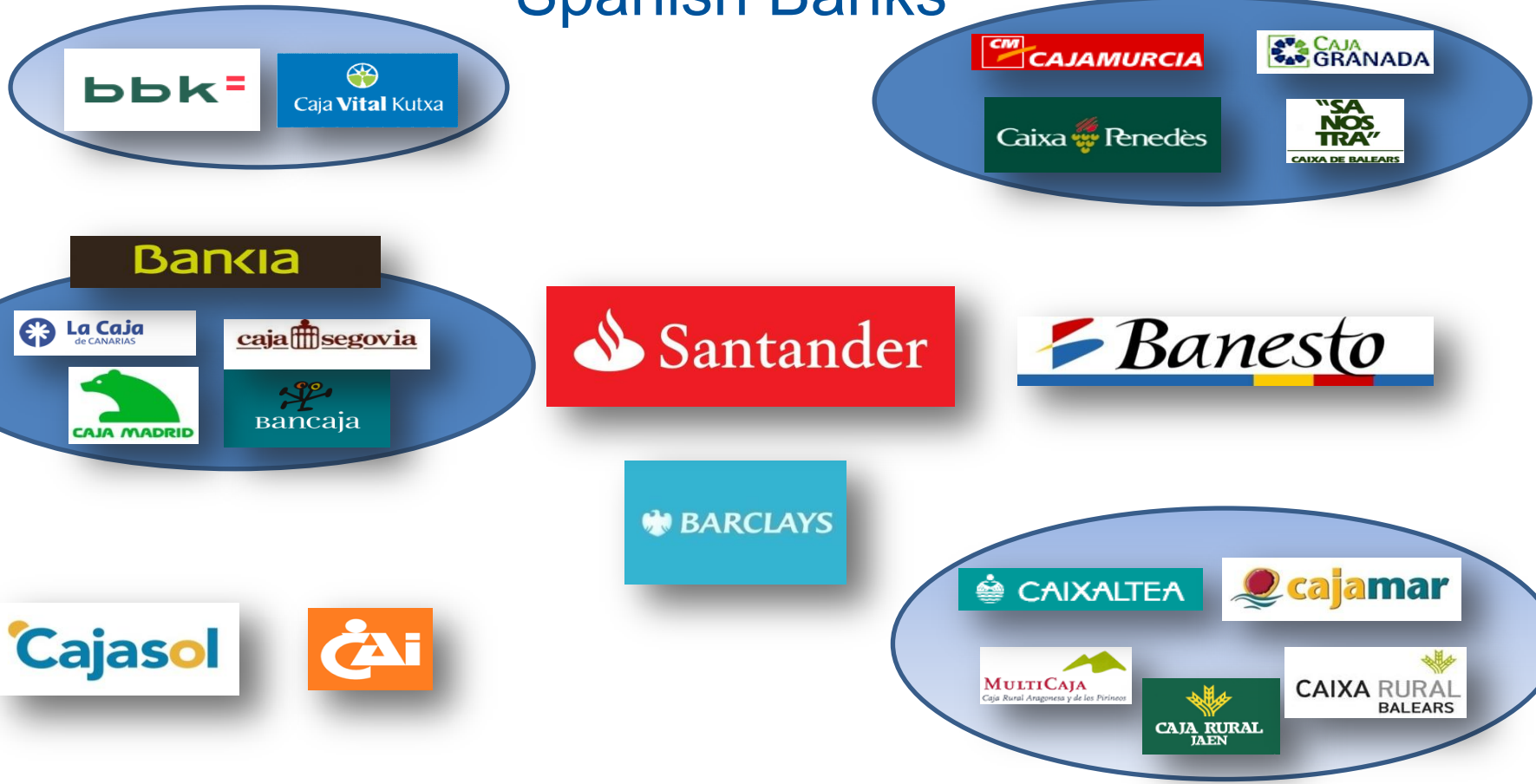
VIDEO MANAGEMENT SYSTEMS

Spanish Banks



7. References

SCATI
VIDEO MANAGEMENT SYSTEMS

International Banks

BBVA
Mexico, Colombia, Venezuela

Santander
Mexico, Colombia, Brazil

INBURSA Grupo Financiero
Mexico

Banco Ahorro Famsa
Mexico

COMPARTAMOS
Mexico

Banca Mifel
Mexico

Banco de Brasilia BRB
Brazil

FinComún
SERVICIOS FINANCIEROS COMUNITARIOS
Mexico

HSBC
Colombia

BANCO DO BRASIL
Brazil

Mexico

AFIRME El Banco de Hoy
Mexico

citibank
Argentina

Bancamía
Colombia

BANCO DEL BAJIO
México

FINANCIERA INDEPENDENCIA
México

7. References

SCATI
VIDEO MANAGEMENT SYSTEMS

Others

Industry & Energy:

Transport & Logistics

Hotels:

Public Sector:

Singular Facilities:

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