

# Securing Data Centres – From Planning to Operation





# One Securitas

'Securitas Group' / 'Securitas AB'



On-site Guarding, Remote  
Guarding, Mobile  
Guarding, Fire & Safety



Security Technology,  
Monitoring Services



Corporate Risk  
Management

**With Deep Specialization in each Protective Service**

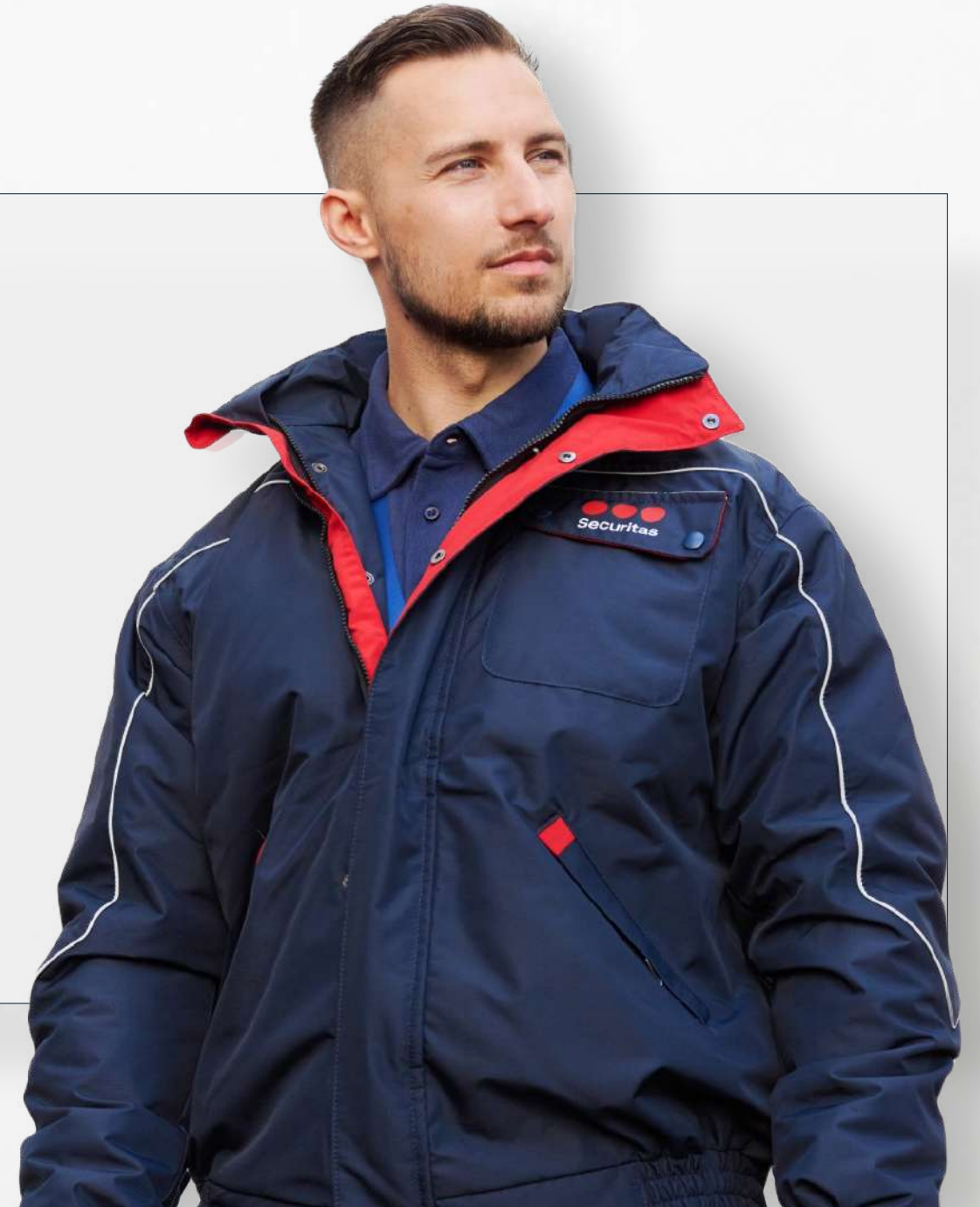
\*Business lines within Securitas AB

# Our purpose fuels our training and how our guards operate every day

We help make your  
world a safer place

**Intention and value-based guarding** means our guards do more than following instructions.

Instead, they understand our client's needs related to physical security as well as support with service and well-being functions.







A sole focus on security – offering a comprehensive portfolio

**Founded in 1934, Securitas brings together innovation, expertise and quality service to be a global leader in intelligent security services.**

Securitas offers security services through different combinations of technology, on-site, remote and mobile guarding, fire & life safety and corporate risk management (Pinkerton).

- 133,237 MSEK total sales
- Headquartered in Stockholm, Sweden
- Presence in 47 markets
- 345,000 Securitas employees worldwide
- 1,700 branch offices worldwide
- Nasdaq Stockholm (OMX: SECU B)

**Bold Ambition –**

# **Building the Electronic Security Business**



Securitas states ambition to double electronic security and solutions businesses by 2023

Magnus Ahlqvist, President & CEO, Securitas AB  
Investor Day 2019

**Securitas  
Technology**



2016

2018

Johnson & Thompson

2019

i✓verify

2020



2021

2022

# Securitas Technology

Global presence, local knowledge



**Constantly evolving threats**, varying safety and security standards along with emerging privacy regulations add to the complexities of managing multisite security.

**With presence across 6 continents**, we leverage our geographic reach to deliver global expertise & standardization for multinational organizations

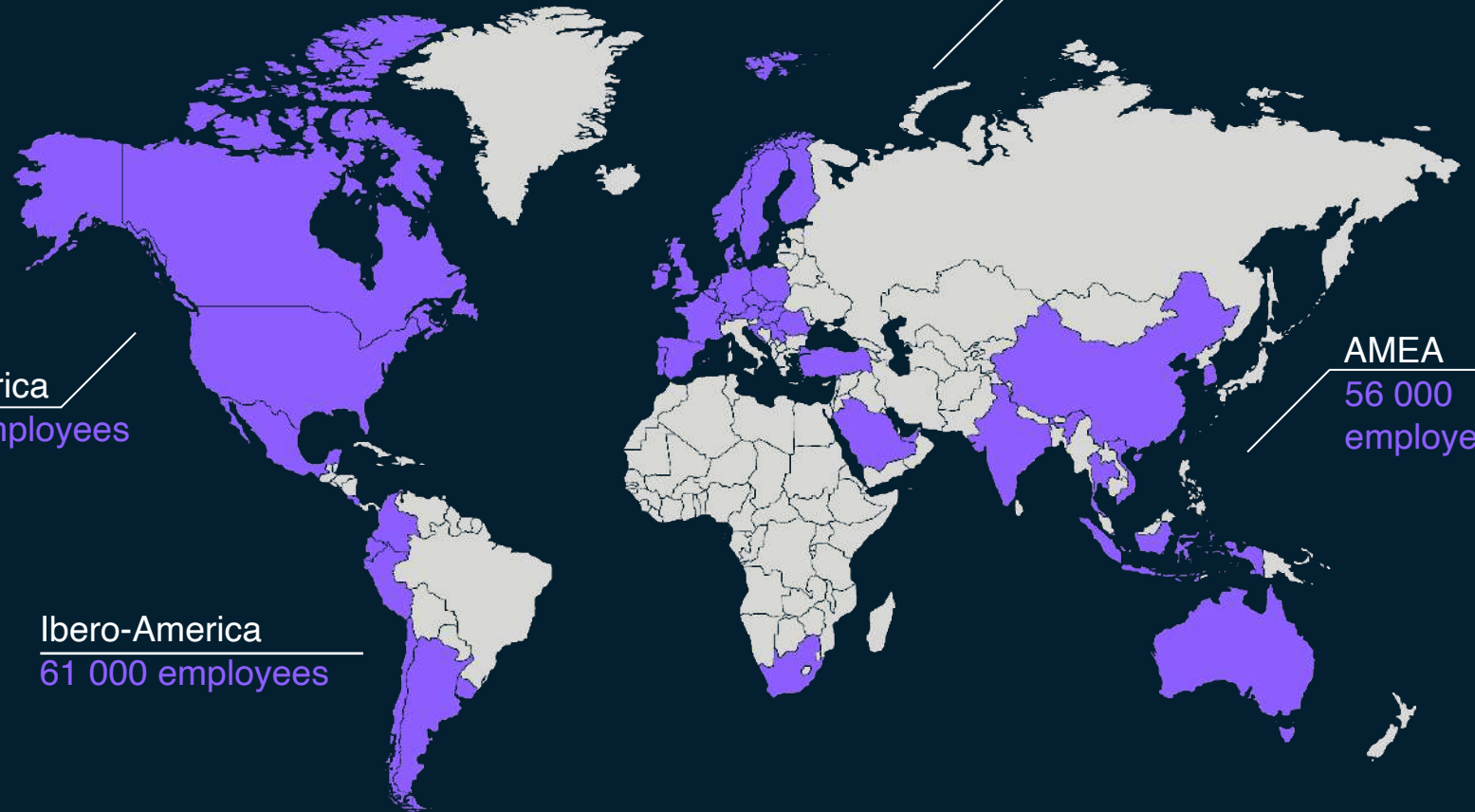
**The Global Clients Program** helps organizations integrate and maintain a consistent security experience across their entire enterprise.

North-America  
125 000 employees

Ibero-America  
61 000 employees

Europe  
127 000 employees

AMEA  
56 000 employees



# Creating the leading global clients program

Our global capability combined with local delivery creates the leading global clients program

- ✓ Account management
- ✓ Program management
- ✓ Central engineering and design
- ✓ Pre-fabrication services
- ✓ Standardization on operational delivery
- ✓ Training and certification
- ✓ Global service/ Ticketing system
- ✓ Business Reviews/KPI reporting
- ✓ Advanced technical support lines
- ✓ Technology roadmaps and master planning



## Global program management office structure.

Our delivery model for multi-site clients consists of a Functional Organization aimed at leveraging in country strengths and a centralized Design & Program Management.



# Our Data Center Experience

## Global Presence

Securitas has created a global data center vertical to support our local teams with specialized knowledge, which benefits clients by assisting with best practice sharing, and offering advanced training for officers.

Securitas currently provides Data Center solutions to the following:

**570**

Data Centers  
secured

**172**

Contracts

**36**

Countries

**120**

Where of  
Technology  
Data Centers  
secured

**38**

Contracts

**19**

Countries

**\*\*Additionally, we have designed 8 Data Centres from our Global Design Hub in Ireland**

SN:	Region	Country	No. of Contracts	No. of Data Centres	Notes
1	North America	USA	11	150	Hyperscale only
2	North America	Canada	4	15	
3	EMEA	Austria	1	1	
4	EMEA	Belgium	6	6	
5	EMEA	Croatia	1	1	
6	EMEA	Czech Republic	2	2	
7	EMEA	Denmark	4	5	
8	EMEA	Finland	3	10	
9	EMEA	France	19	54	
10	EMEA	Germany	11	36	
11	EMEA	Ireland	5	Confidential	Includes critical national infrastructure
12	EMEA	Luxemburg	1	1	
13	EMEA	Netherlands	8	18	
14	EMEA	Norway	1	Confidential	Includes critical national infrastructure
15	EMEA	Poland	3	5	
16	EMEA	Portugal	4	8	
17	EMEA	Spain	3	12	
18	EMEA	Sweden	9	16	
19	EMEA	Switzerland	5	10	
20	EMEA	Turkey	1	1	
21	EMEA	UK	5	Confidential	Includes critical national infrastructure
22	APAC	Australia	2	30	
23	APAC	China	1	3	
24	APAC	Hong Kong	6	11	
25	APAC	India	5	19	
26	APAC	Indonesia	3	5	
28	APAC	South Korea	2	10	
29	APAC	Thailand	1	1	
30	APAC	Vietnam	2	2	
31	APAC	Saudi Arabia	1	1	
32	APAC	South Africa	2	9	
33	APAC	UAE	2	8	
34	LATAM	Mexico	6	6	Technology
35	LATAM	Chile	3	3	Technology
36	LATAM	Argentina	2	2	Technology

# Our global design team.

## **Dedicated, and highly qualified Technical Project Leaders**

- Specialize solely in multi-region Enterprise Clients
- Core focus on driving quality and consistency
- In-house System Design Team
- Full BIM/3D modelling capability
- Accredited to ISO9001, 14001, 45001
- Cross border team experienced in remote working

## **In-house Testing, integration and product development capability**

- In-house SDK development team
- Local team of Certified field and commissioning engineers backed up by wider centralized resources
- Embedded Engineers working on clients' systems across regions.
- Professional services team to work with clients on complex designs and integrations.

# Securitas Technology **design** **support.**

Our Security Risk and Design Practice team operates from a purposely built Design Hub from our Dublin office.

This enables a consistent global delivery model to match the flexibility, scale and speed of services required by our customers.

As evidenced by our long-standing client relationships, the team blends global and local expertise in design, engineering and project management, giving clients confidence that their projects are delivered to a consistent and best-in-class standard, regardless of geographic location.

## RIBA Plan of Work 2020

One of our core beliefs to deliver successful complex designs is collaboration and coordination between all Stakeholders at concept and design stages (Stages 0-4 RIBA). This allows seamless progression onto the construction and close out stages of the project. (Stages 5-7 RIBA)



### We offer our clients the following services

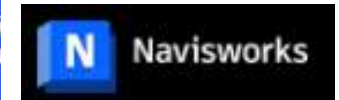
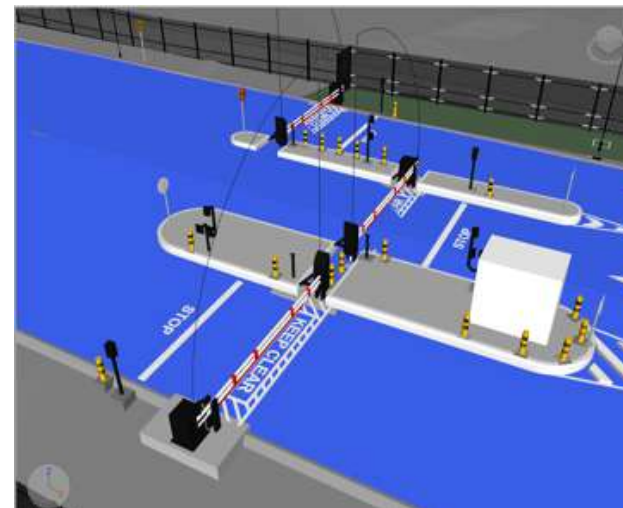
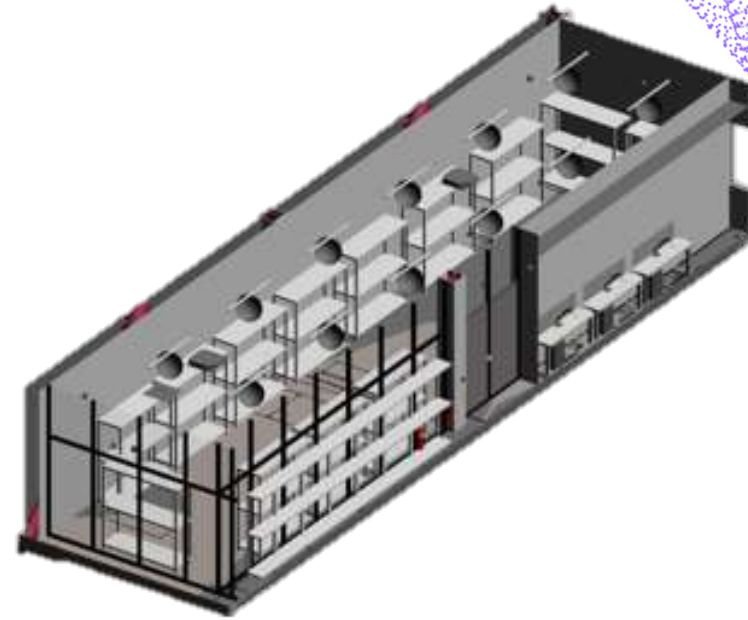
- Governance, Risk and Compliance
- BIM/CAD Security System Design & Programming
- Network Design (Redundant)
- Disaster Recovery Design (Multi Server Redundancy)
- Command & Control Centre Design including ergonomics studies
- CPTED (Crime Prevention Through Environmental Design)
- Hostile Vehicle Mitigation (Dynamic Vehicle Assessments)
- System Sign-Off/Commissioning
- Technical Audits
- Security Master Planning
- Site Due Diligence Surveys/Reviews
- PSIM Development
- Factory and Site Acceptance
- System Installation
- Witness Testing
- Performance Management
- Risk, Threat and Vulnerability Assessments
- Certified Fire Door Consultants Assessors
- SABRE Certified Assessors
- Fire Risk Assessments
- Local AHJ Compliance and Governance
- Life Safety System Design
- Standardised playbooks
- Construction Administration Services



# Our tools and processes.

To enable our designs and collaboration, we utilise industry standard software which includes Autodesk AutoCAD, Autodesk Navisworks, Autodesk Revit - Building Information Modelling (BIM), BIM360, Aspire BluBeam Revu – Cross Team Collaboration & Digital Workflow Management, Sharepoint, Microsoft Teams, One Drive, Procore, Quip, Smartsheet and Plangrid

- BlueBeam – collaboration mode. Used between Revit and Technical Design
- AutoDesk Revit – Bluebeam mark ups modelled in Revit
- Navismanage – clash detection between the various models across all disciplines
- VR (Restore) - Augmented reality allows user friendly access to the models



# Design team **Innovation** & collaboration

- Carrying out reviews, clash detection and develop spatial requirements using VR technology to bolster a clients security posture.
- Development of a 3D model for clients with no record drawings by using Leica Geosystems 3D lidar sensors.

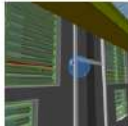
A screenshot of a software interface for issue #17. The header is orange with "Issue #17" and an "OPEN" button. Below are tabs for "DETAILS", "ATTACHMENTS", and "ACTIVITY". The main content area shows the issue title "[Shane Clarke] Camera clashing with steel Please move" and its creation date. A metadata table lists fields like Assigned to, Due Date, Location, and Root Cause. A "Linked document" section shows a file named "DUB108-DCT-ZZ-ZZ-CR-Z-0001.nwd". The "Description" section contains text about the annotation being synced from a VR meeting. A "Response" section is empty. A "Photos" section shows a small thumbnail of the 3D model clash.

Assigned to	Type
shane clarke ✓	Design ✓
Due Date	Owner
Unspecified ✓	shane clarke ✓
Location	Root Cause
Unspecified ✓	Unspecified ✓
Location Details	
Unspecified ✓	

**Linked document**  
[DUB108-DCT-ZZ-ZZ-CR-Z-0001.nwd](#) [V1, current] ...

**Description**  
This annotation was synced from a Resolve virtual reality meeting. ✓  
Resolve Annotation Author: Shane Clarke  
Resolve Annotation Text: Camera clashing with steel Please move

**Response**  
Unspecified ✓

**Photos**  
  
resolve-screensh...



Before



Entry



During



- Pre-register Visitors
- Self-Service Check-In
- Access Control Integration
- Watch List Rules
- Kiosk and Printer Support





Before



## Pre-Registration to site

- Visitor is pre-registered before attending site.
- Required documents are completed, Eg. NDA, site induction
- Approval is requested, for new visitors.
  - Email sent to Tenant representative.
  - Email sent to Landlord representative.
- Approval is requested for existing visitors.
  - Name checked against whitelist.
  - If name on whitelist access granted.
  - If not, the approval process for new visitors occurs.

## Benefits

- Automation of administrative approval process.
- Reduction of human intervention.
- Streamline processes.
- Increased auditing.





## Reception Desk

Entry

On an unmanned reception desk sits.

- Visitor management screen to sign in, printing a visitor badge and QR card.
- Biometric hand scanner which reads QR code, access card and touch-free fingerprints.
- Intercom for communication. With two-way communication the control room have direct communication with an individual signing on to site.
- Directions to the white space can be provided at a screen





## Site Access

- Non-Contact biometrics.
  - VisionPass Facial Biometric
  - MorphoWave hand scanner.
- While also providing biometrics, these devices can also read access cards and QR Codes.
- At the reception, a device can be located to enroll an individual into the system, while other devices throughout the site authenticate individuals before accessing an area.
- Higher security enables multiple authentication of an individual.
- Access control is described as.
  - Something you **are** – Biometrics.
  - Something you **know** – Pin Number.
  - Something you **have** – Access card.
- This solution reduces consumables such as permanent cards for one-time visitors. A guard is not required to issue or collect cards per visit.



During

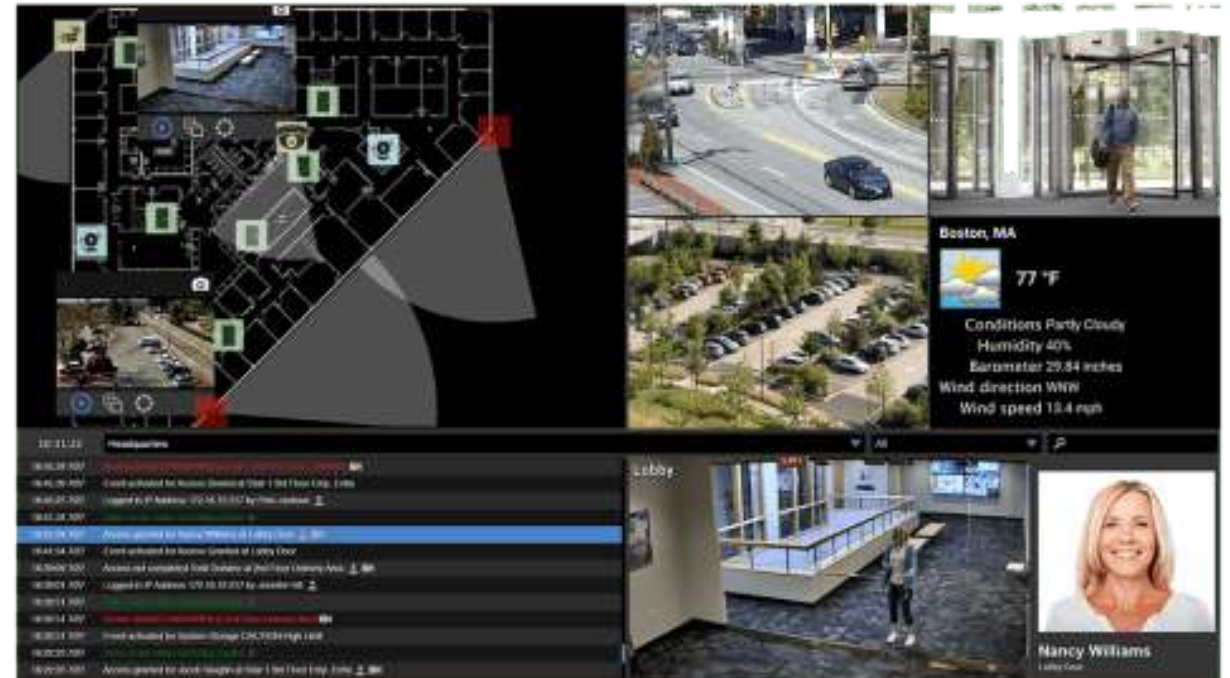




During

## PSIM/SMS – Vision of site + manage alarm process

- Situational Awareness.
- Single interface for multiple disciplines.
- Highly configurable.
- Real-time information.
- Interactive maps.
- Interaction with cameras and intercoms from a single screen.
- Alarm pop-ups.
- Camera overlays to follow a person throughout the site.





During

## Vision and Audio

- Video is captured through Cameras.
- Video is stored and retrieved through video recorders.
- Communications between control room and data center floor occurs through intercoms.







During

## Main Security Control Room

- Main Security Control room would be the central location to interact with all integrated systems.
- CCTV and Video Intercom displayed on the monitor wall
- Biometric, Video, and Intercom would be accessed from the guard workstation.
- The benefit of a central control room focused on integrations, auditing, automation and user-friendly design increases efficiencies.
- While also changing a guard force tasks from one-one, into, one to many.





# Securitas Technology

