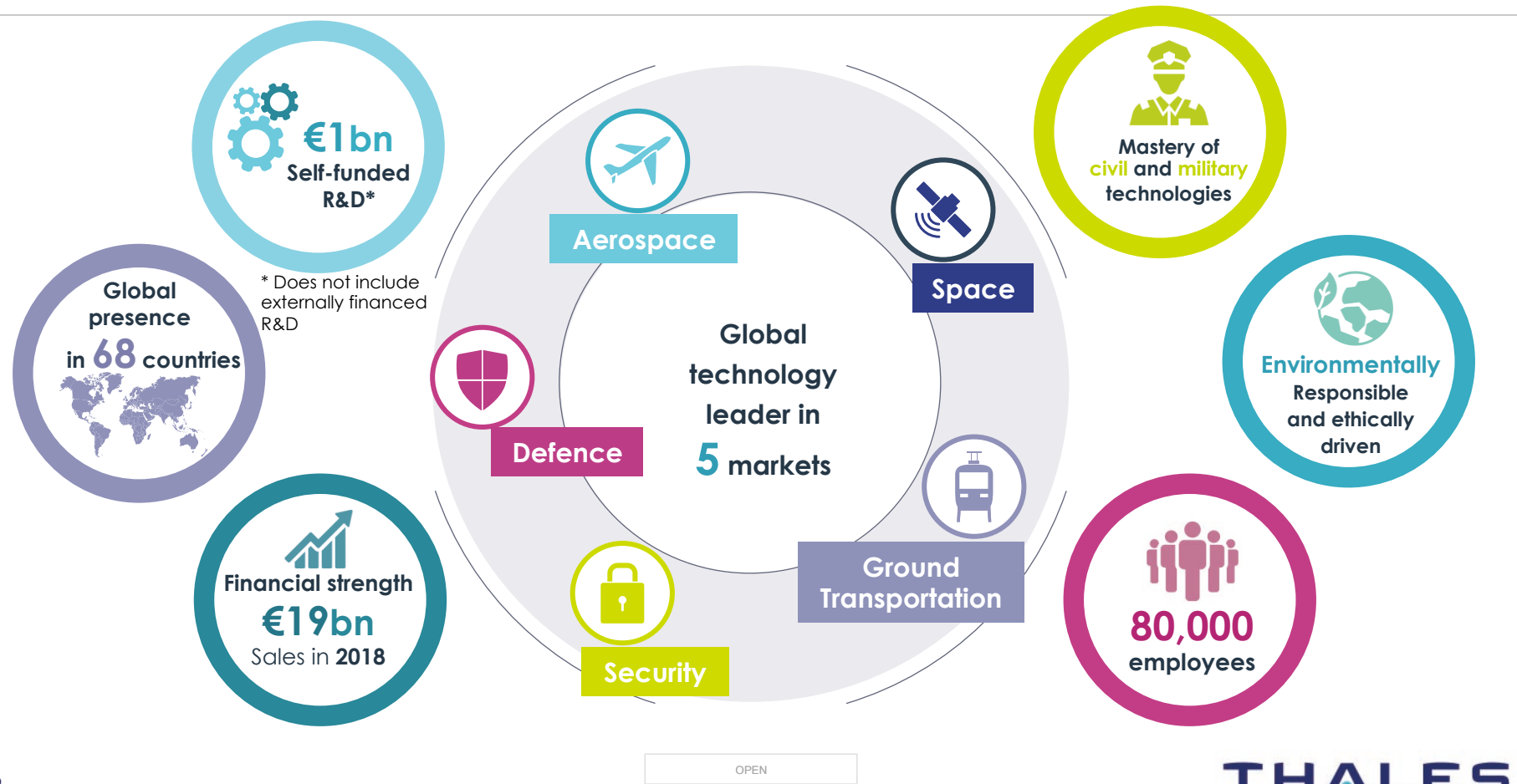




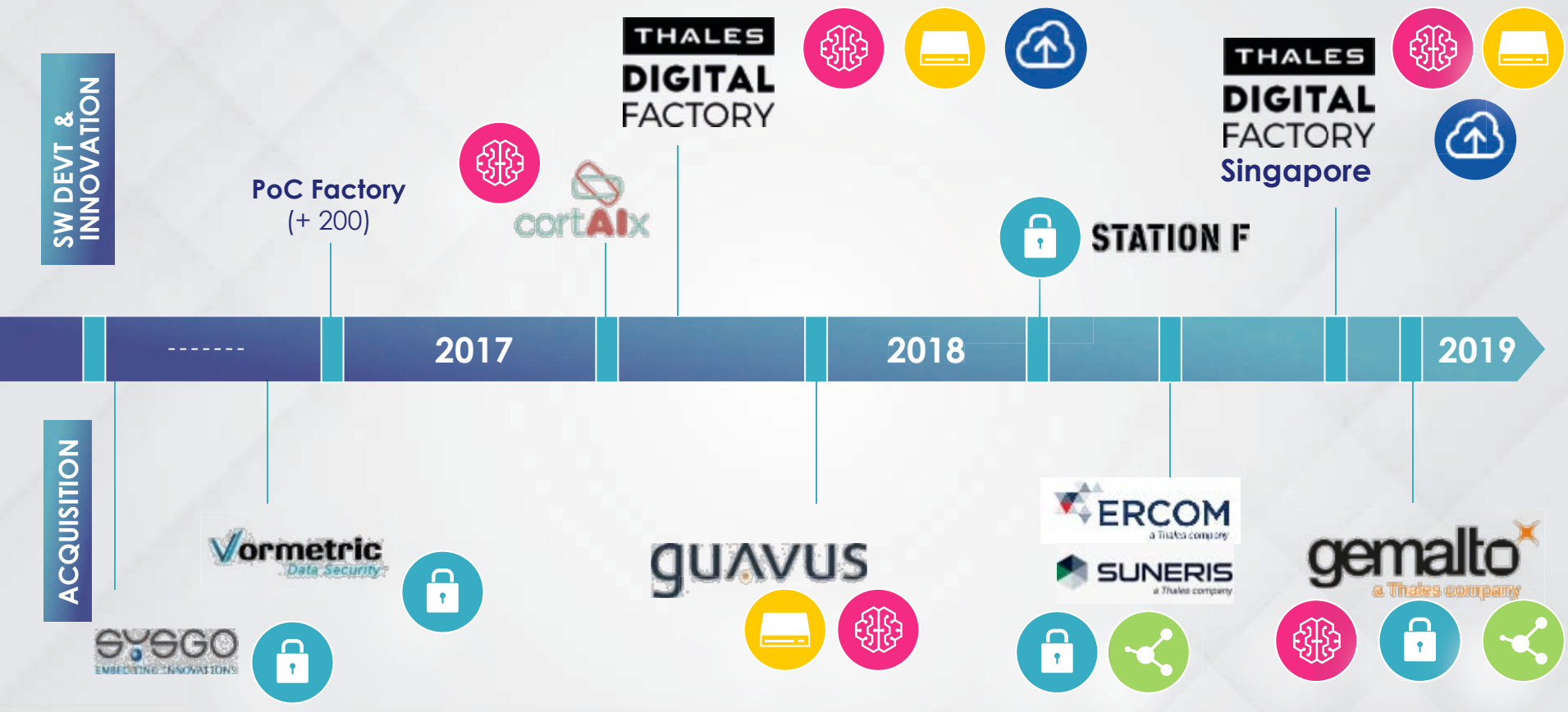
Urban Security solution Mexico City Ciudad Segura

Milano, November 2019





Over € 7bn invested in digital for the last 5 years with direct leverage within our Security offer



EXAMPLES OF REFERENCES IN SECURITY

Cities & ground transportation



Mexico city

The world's most sophisticated urban security system

Crime rate reduced by 55%
Response times cut divided by 3



Dubai Metro

Installation & renovation of state-of-the-art security technology

Ready for Expo 2020



Dubai smart city

Advanced multi-modal, multi-agency platform for transportation

3.5 billion journeys expected by 2020
25 million visitors in 2020



Doha Transport

60+ metro and trams stations,

More than 10,000 cameras



Nice & La Defense PIAVE

Collaboration city security's stakeholders

Integration & interoperability between +30 systems & solutions



Mecca

Complete security, telecom and crowd management system for metro and Holly sites

2 million pilgrims

Airports



JFK/ T4 airport

Deployment of state-of-the-art security technology

20 million+ passengers per year



Dubai airport

Ultra-modern security and communication solution

88 million+ passengers in 2017
10,000+ access control points



Oman airport

New exceptional airport infrastructures

40 flights per hour with 86 check-in counters and 40 gates

Critical infrastructures



Doha port

High-performance, resilient, scalable security system

Over 6 million containers
19 km² secure area



Hexagone Balard

High-performance security and telecom system

320,000 sq.m. to monitor & manage
10,000+ personnel



Mali

High protection of military camps, as a Service

2 camps protected

Thales in Italy



600 EMPLOYEES, 12 SITES

Thales Italia spa: main activities

- **Defence and Security** (Sesto Fiorentino) – **SIX**
- **Transportation** (Sesto Fiorentino) – **GTS**
- **Air Operations** (Gorgonzola) – **LAS**
- **Avionics** (Vergiate) – **AVS**
- **Digital identity and Security** (Roma, Grugliasco, Grassobbio, Agrate, Marcallo) – **DIS (FORMER GEMALTO, formal integration to be completed)**

Other Activities of Thales in Italy

Thales Italia 100 % companies

- RCS Italia (Pessano)
- Thales Starmille (Chieti)
 - ◆ **JV with Leonardo** in Space sector
 - Thales Alenia Space (67% Thales) Rome, Turin, L'Aquila, Gorgonzola
 - Telespazio (33% Thales)
 - ◆ **Other Italian Thales Group's Holdings**
 - Elettronica (33% Thales)

THALES

Thales Smart Cities Approach: Improving City Performances



Global situation awareness – Prediction and Early Detection
Enhanced Incident resolution

WITH NO COMPROMISE ON CYBERSECURITY

MEXICO CITY CIUDAD SEGURA A SUCCESS STORY



OPEN

THALES

Mexico City case at a Glance

Total Area	1,485 km ²
Urban Area	1,117 km ² (75%)
Elevation	2,240 m
Population - City	8,850,000
Population - Metropolitan Area	21,160,000 (3 ^o after Tokyo and Seoul)
Population Density	6,000 /km ²
Administrative division	16 boroughs
Metro system	12 lines, 201 km, 195 stations
Motor vehicles	4,700,000



Public Safety in Mexico City

Personnel

Uniformed Police

(Patrol/Response/Traffic)

35,000+



Auxiliary and Banking Police

(Gvmt and Commercial Facilities Protection)

42,000+

Detectives

(Mexico City's Attorney General)

5,000+

Firefighters

1,000+



Civil Protection

(Earthquakes, floods, etc.)

1,000+

Prison officers

2,000+

Other

(EMS, VIP Protection, ...)

4,000+



Total

90,000+

“Mexico Safer City” Project – Quick Facts since 2009



The most ambitious public safety project in the world

Mexico Safe City Project – Customer challenges and addressed risks



Customer Challenges

- 10 million citizens to address 24/7
- 40,000 emergency calls per day
- 25,000 resources management



Customer's objectives

- Multi-agency safety and security platform
- Incident + resources management supported by videosurveillance
- Prompt crisis management



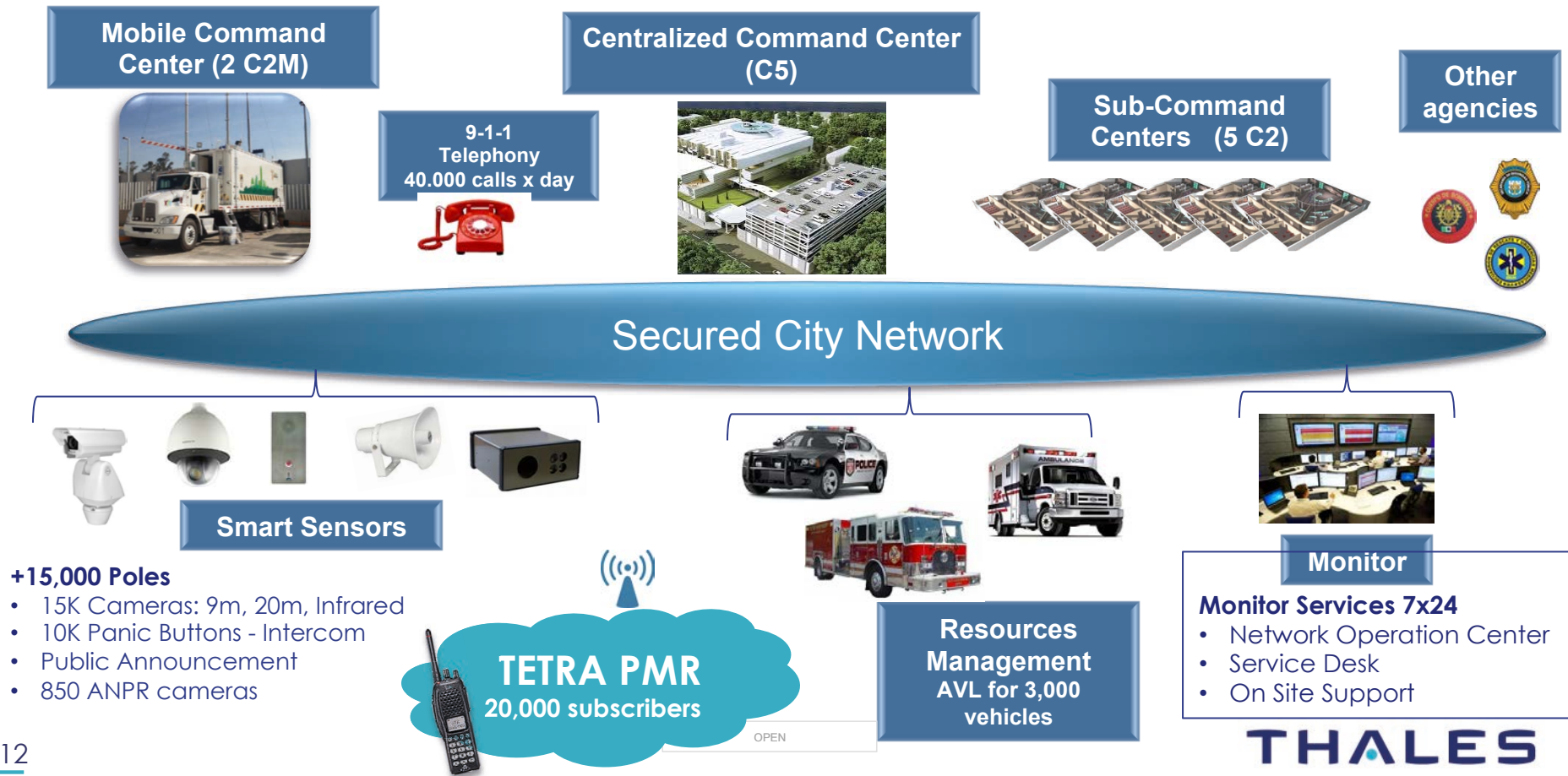
Main urban risks managed in Mexico City

- Frequent non-violent crimes (burglary, pickpocketing,...)
- Armed attacks on the street, in sensitive areas
- Murders linked to gang disputes
- Heavy vehicle traffic
- Crowd movements (recurrent demonstrations / massive events)
- Natural disasters: earthquakes, floods, fires



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Mexico Ciudad Segura: Architecture



Mexico Ciudad Segura... Covering all the City

50,000 m² of furnished / equipped buildings (C5: 30,000 m²)

Command, Control, Communications, Computing
and Citizens Contact Center (C5)

Dispatch of High impact crimes and
Non-police emergencies

~200 workstations



Two mobile Command &
Control Centers - C2M

Special/Planned Events



Making Mexico City
safer and more
efficient

Five Command & Control Centers (C2)

Cameras monitoring and Dispatch
of Misdemeanors (Police)

~40 workstations per C2



C2 Norte



C2 Oriente



C2 Poniente



C2 Sur



C2 Centro

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Multi Agency Collaboration & Coordination

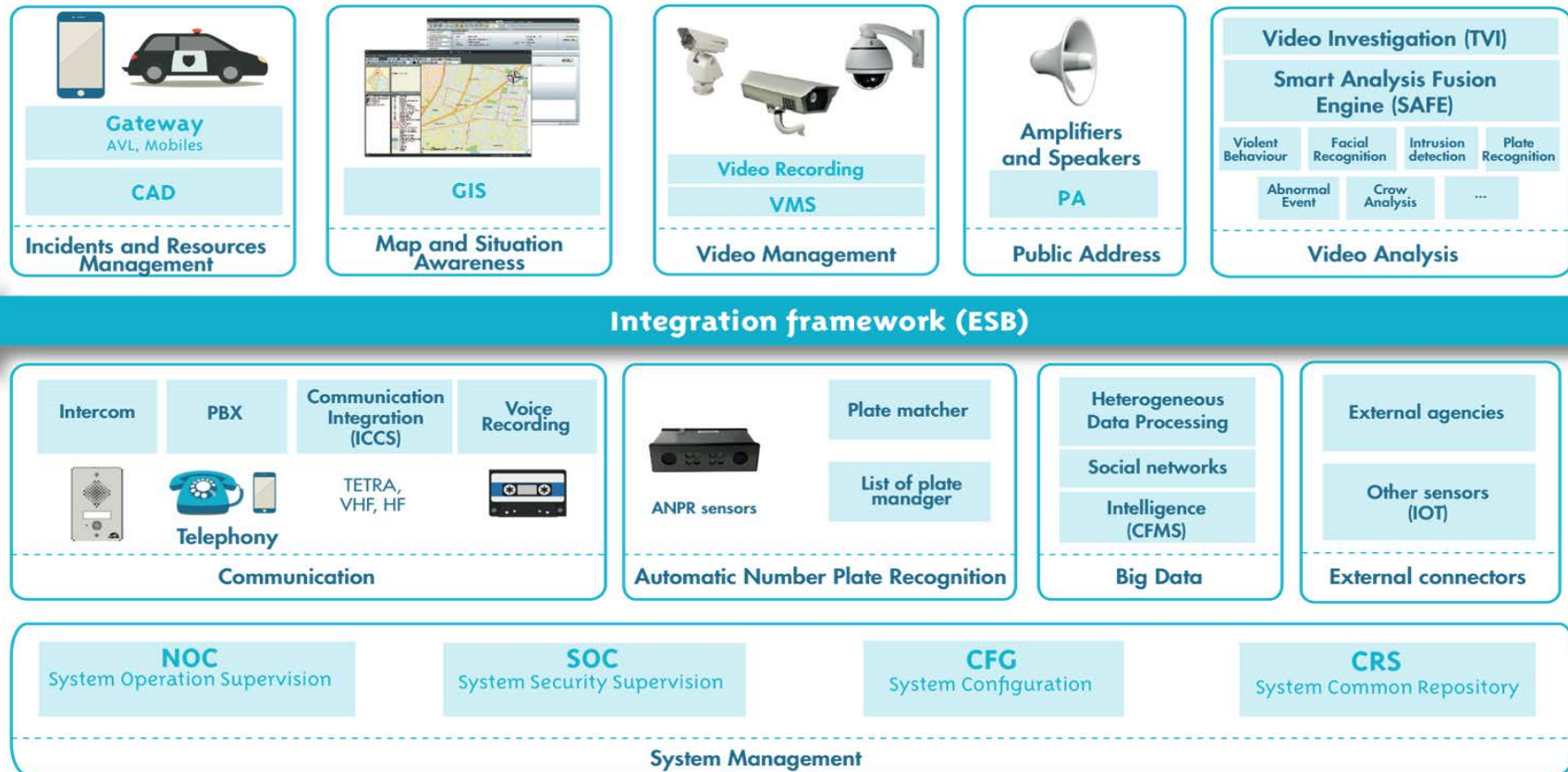
■ About 20 agencies to coordinate: optimize process and use of equipment/tools to facilitate cooperation

- Missions → procedures → various operational needs
- Needs of collaboration: major incidents, large events and crisis management

Strong requirement: fit the system to the concept of operations of the actors



The urban security solution ICT architecture



Mexico City project results – the figures are speaking

- Emergency calls: **40 000 per day**
- More than **4 500 incidents** dispatched **daily**
- Avg. emergency response time dropped from 12 to 4 min
- Criminality: **-57% from 2010 to date**
- Stolen cars: **-50% from 2010 to date**
- Decrease of the insurance fees of **30 %**
- Increase in tourism: **47%**



CDMX

Why Thales ?

Going for the Long Term

- Extensive **project management capabilities**
- Expert in managing **complex** environments
- **Local presence** and right partnerships

Proven innovation

- **Reliability and availability**
- **Optimised** operations & maintenance
- References **in major cities** all over the world

Comprehensive portfolio

- **Complete Solutions** meeting greenfield and brownfield projects for transports , critical infrastructures and smart cities

Cybersecure

- Thales solutions are all developed integrating **cybersecurity and privacy by default** providing an enhanced physical and logical security level



Grazie per l'attenzione

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