

# Sécurité urbaine de Mexico Vidéosurveillance 

Eric Moncet - 22-01-2013

## Main missions addressed by the system

- Video surveillance (8080 cameras)
- Call taking (public, mobiles) (60 000 calls a day)
- Incident management, Events and Emergency actions analysis
- Police vehicles tracking \& emergency dispatch management
- Interoperability with external systems (Stolen vehicles databases, researched people, etc.)
- Communications with Citizens (Public Alarms, Quality of Service feedback)
- agencies coordination (Police, Civil protection, Fire brigades, Mexico city transport, etc.)


## In Mexico City for the SSP (Public Security Office)




- C2: Norte Gustavo A. Madero


C2: Poniente Álvaro Obregón

## C2: Centro

 Centro Histórico

C2: Sur
Benito Juárez



Early 2009: No active cameras. 3 isolated cameras installed in Mexico City streets


- 50000 m 2 of equipped buildings (C4: 34000 m 2 )
- 8,081 operational cameras installed in the city
- 5,600 panic buttons (intercom)
- 5,600 loudspeakers
- More than 3,000 IT equipments deployed including:
- 448 servers
- 15 video walls,
- 1,234 TByte storage,

- 462 dispatching, call takers and video monitoring positions with 310 telecom touch screen devices
- 20 NOC and SOC Monitoring Stations
- 86 LAN switches and 41 Security Devices (Firewalls and IPS)
- 2 Tetra base station in the C2M integrated within the existing Tetra network
- 24 telecom integration matrices (ICCS) + 20 voice recorders
- 1,543 trained dispatchers : 200,000 training hours


## More and more connected equipments in the city

- Existing and future: cameras, pollution sensors, seismic sensors, people locations...
- How to cope with all this information?

Old way of thinking


## New way of thinking

What are the missions of the operator? What information is relevant? How does the system push the interesting information?




Most wanted cars are targeted by the Police forces.


Mounted on key locations, ANPR camera reads a suspicious car's number plate.


From a government database, an operator in the Command Center identifies the plate number as a wanted car.

The system can perform automatic and real-fime number plate identification.




A major incident (like a terrorist attack or a kidnapping) requires the cooperation and coordination of multiple security and safety resources.


From the Crisis Room, it is decided to deploy a local command post.


The operator dispatches a Mobile Command Unit (MCU) with an unmanned aerial vehicle (UAV).

## -30 Nov. 2010

- 5 C2 and 5300 cameras in operation


## -End March 2011

- Reduction of criminality in Mexico thanks to the system (-7.5\% of car theft, -9.2 \% of major criminal events)


## -End June 2011

- Time of police intervention in incidents reduced from 12 to 5 min. . 30 Sept. 2011
- C4 starts operating with 8000 cameras


## . 25 Oct. 2011

- C4 Inauguration
- Reduction of criminality : -12,5\% of major criminal events
-Sept 2012
- 2 C2M delivery, 200 ANPRs, progressive update of SW
- Marcelo Ebrard (project sponsor) :presidente de Red Global de Ciudades Seguras en la ONU
$\rightarrow$ Today Mexico City is considered as the safest city in Mexico, which has a high political impact.

