

Success factors for **Next-Generation Homeland Security**

Bernard Payer

Head of Critical Communication Solutions
and Head of Homeland Security



Success factors for Next-Generation Homeland Security

Fast, relevant resolution on the ground

Homeland Security organizations need...



► COORDINATION

to provide the perfect assistance...



► RESPONSIVENESS

... with all critical actions performed quickly...



► RESILIENCE

...even during high-pressure crises

Growing challenges for Homeland Security

EXTERNAL



Changing risks (pandemics, terrorism, fake news, natural disasters, cyber, ...)



Speed requirement (mobility, social network, connectivity, urbanization, ...)



Social instability (economic crisis, social unrest, international tensions)

INTERNAL

Management of **multiple organizations** / multi-tenant challenge

Siloed solutions & Multiple technology vendors

Arbitrate between new technologies and operational resilience

COORDINATION

RESPONSIVENESS

RESILIENCE

Atos focus to help face new challenges

New game-changer innovations



MONITORING

- ▶ New monitoring capabilities: smart sensors, IoT, video
- ▶ Predictive Data Analytics
- ▶ Surveillance and Intelligence through Big Data



ORCHESTRATION

- ▶ Call handling, call taking, CAD
- ▶ Multi-agency incident transfer functionality
- ▶ Public warning modernization
- ▶ Cloud for control room concentration
- ▶ ESInet secure backbone



FIELD OPERATIONS

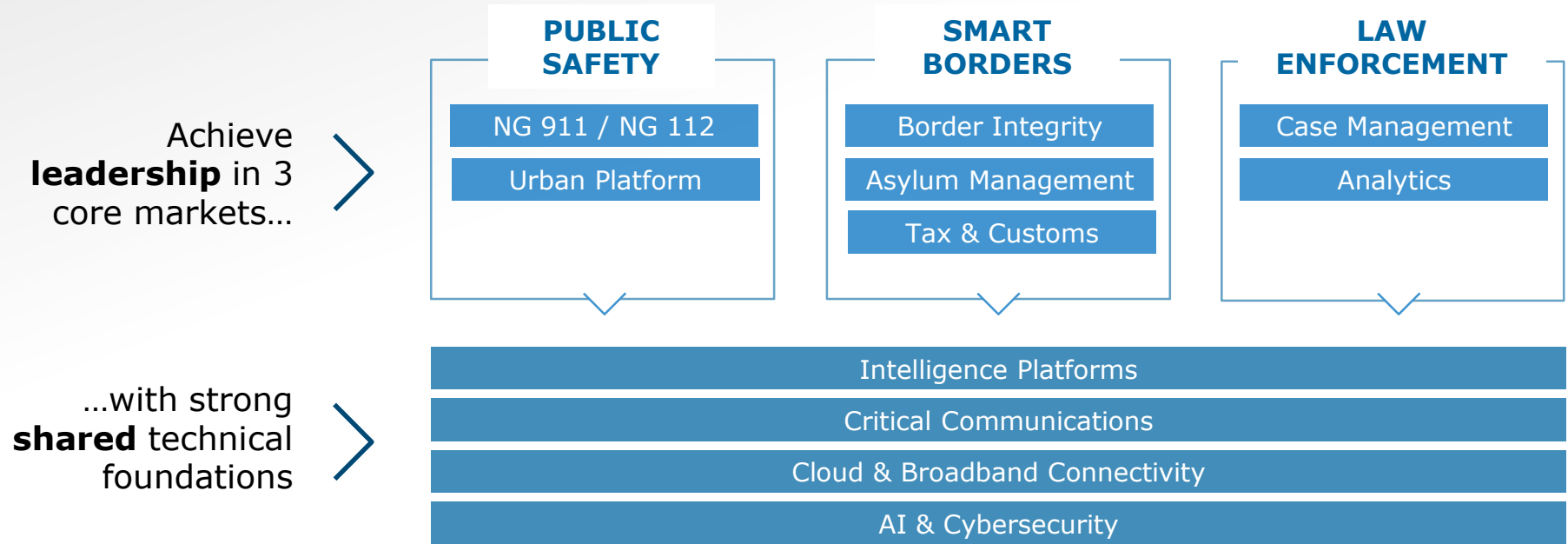
- ▶ New technology for critical communications: 4G LTE / 5G
- ▶ Integration with legacy
- ▶ Porting PMR functionalities/features (D2D, recording, dispatch...)
- ▶ Secure Device and Secure Apps

We take part in and anticipate standards evolution
3GPP, ETSI, NG112, NG911, EU-Alert...



Atos Homeland Security 2021+

End-to-end solutions to ensure citizens safety



Customer Video



Atos



Bundesamt
für Migration
und Flüchtlinge

German Federal Office for Migration and Refugees

End-to-end validation workflow for refugees

Full end-to-end validation workflow based on biometrics and personal data, to help refugees demonstrate their identity. Ensures optimal arrival for asylum seekers in Germany.

Atos



French Ministry of Defense

**Secure and resilient 4G LTE
communication system for
civil protection**

Auxylium chosen by the
French Army for a
deployment in national
emergencies.

Used as the communications
and operational backbone of
the government's counter-
terrorism initiative named
"Opération Sentinelle".

Atos



Polycom Network

Swiss national safety and security network for all public safety organizations

Polycom allows voice and data transmissions between various organizations such as border security, police, fire service, medical and ambulance services and civil protection. Atos just renewed the contract for 15 more years with a strong focus on modernization.

Atos



112 Romania

End-to-end Next Generation 112 project at national scale

NG112 complex project (incl. GEMMA, UCC OSV, CCS) at national scale for all emergency call centers and all emergency response organizations: police, gendarmerie, emergency medical services, fire and rescue, crisis management.

Atos



State of California

Next Generation 911 project in the 3rd largest U.S. state

Replacing a 25-year old technology by new technologies such as video and photo of 911 responses, so that anyone who needs to communicate with 911 can do so regardless of how they "call for help".

Atos



Llywodraeth Cymru
Welsh Government

Welsh Government

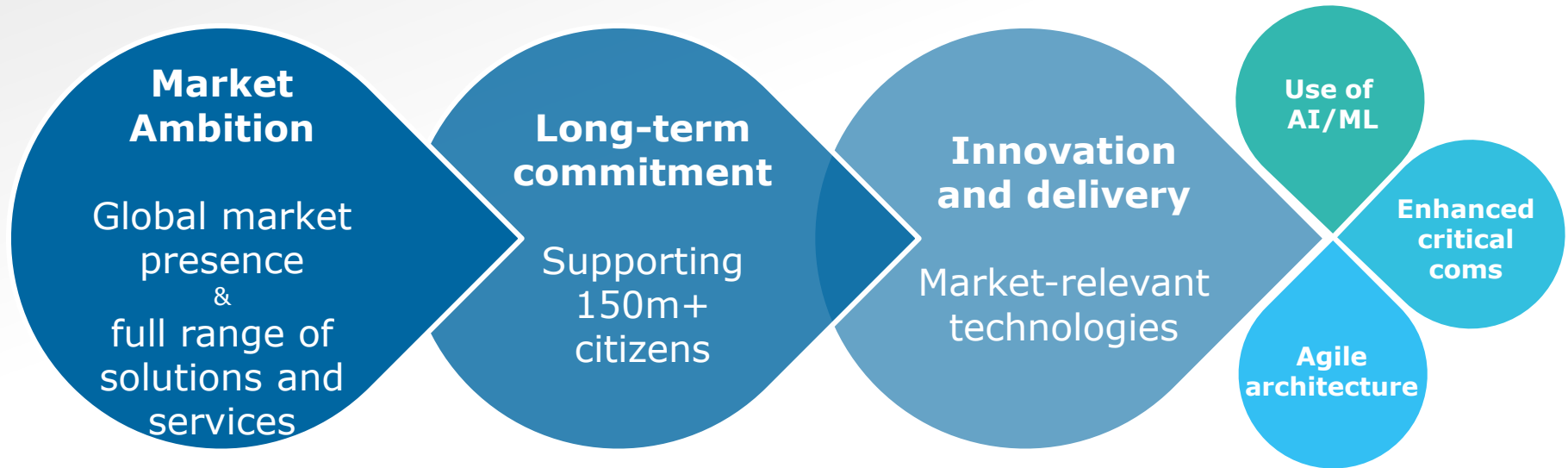
**Multi-Agency
Incident Transfer,
a better collaboration
to save lives**

Connecting emergency
services.
Improving life-saving
outcome with secure
inter-agency
incident messaging
in just 16 seconds.

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Key Takeaways

Building Next-Generation Homeland Security



Thank YOU

For more information please contact
Simone Glénat
simone.glenat@atos.net

