The effects of technology and innovation on police processes. Lessons learned from Belgian innovation projects

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VIAS institute

Vias institute

Independent and multidisciplinary knowledge centre

Goal: contribute to **a safer society for all citizens**

‣ Share our knowledge and implement our experience
‣ Innovative projects
‣ Partnership with public authorities, knowledge institutes and industry

INNOS | the security network
by **Vias institute**

VIAS
institute

Innovation start…

1. **Reactive innovation project**

✓ **Follow up good practices in the field of innovation and new technologies for security**

✓ **Bottom-up approach based on concrete security needs:**

- Project approach based on specific needs in the field
- VIAS acts as intermediary partner: from a triple helix structure direct contacts and cooperation with private, public and research institutions

2. **Pro-active project initiation**

✓ **Knowledge, insights and experience translate to other governments**

✓ **Impact on innovation legislation: ad hoc advisory group triple helix**

✓ **Incentive to attract European funds for Security Studies**

VIAS institute

Project: use of netcentric technology

Ad hoc command room for securing mass events:

- Commemoration in Nieuwpoort en Ypres, 28 October 2014
- UCI Cycle race Record Bank E3 Harelbeke, 25 March 2016
- UCI Cycle race Record Bank E3 Harelbeke, 24 March 2017

General questions and needs

Questions from local police:

▸ **Temporarily extended existing CCTV network through mobile cameras**

▸ **Manage different information sources: (fixed cameras, mobile cameras, heli-images), multi-agency radio communication, information from social media (Twitter, Facebook, etc.), …**

▸ **Integrate this information within an ad hoc command center**

▸ **Exchange real-time camera images with other security forces**

! GAP between private market and public police: Vias served as an intermediary network to provide solutions

Project Commemoration WOI
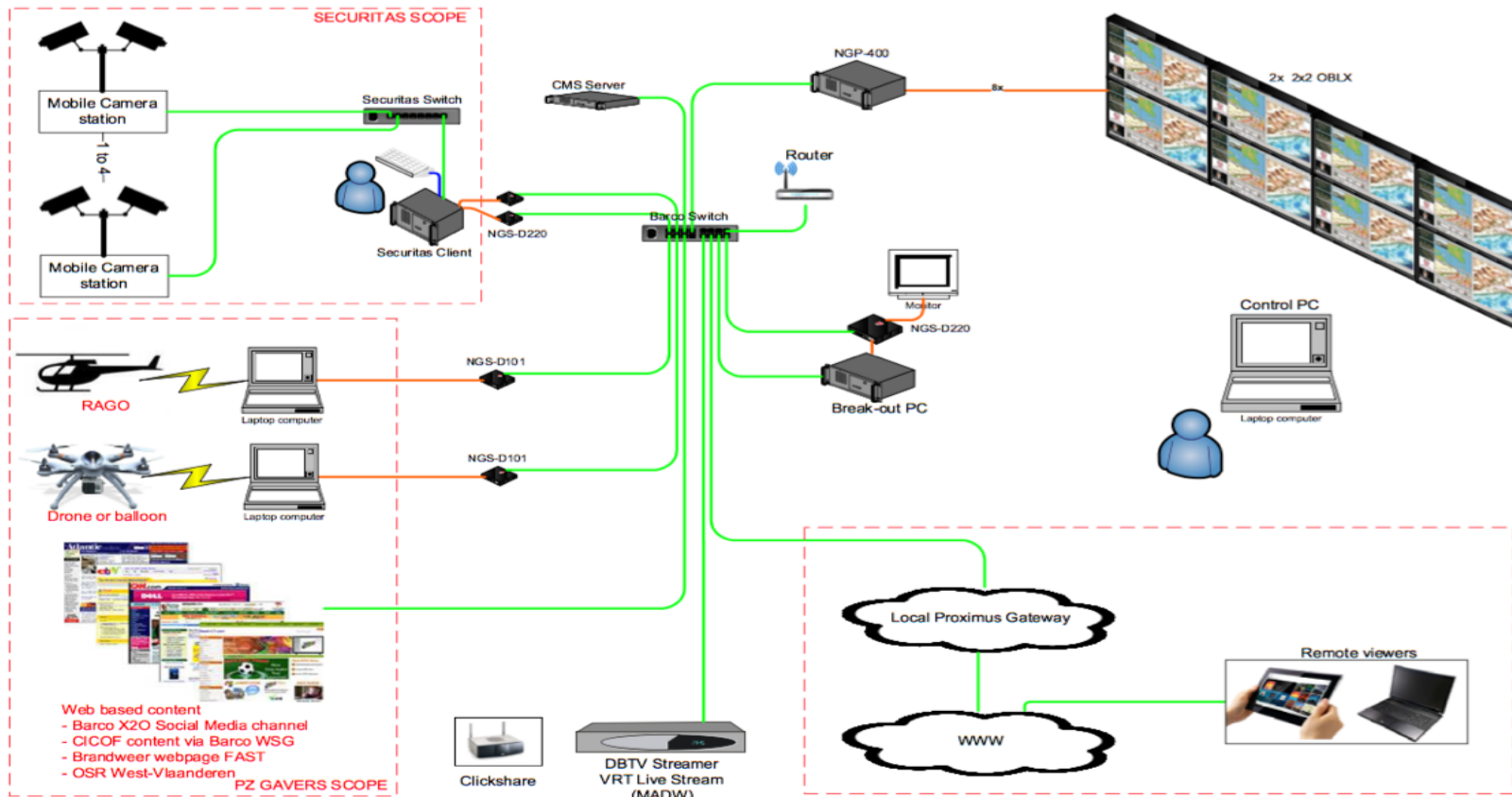

Timing project
Start: 4 September 2014
End: 28 October 2014 POC

Common Operational Picture & Visual

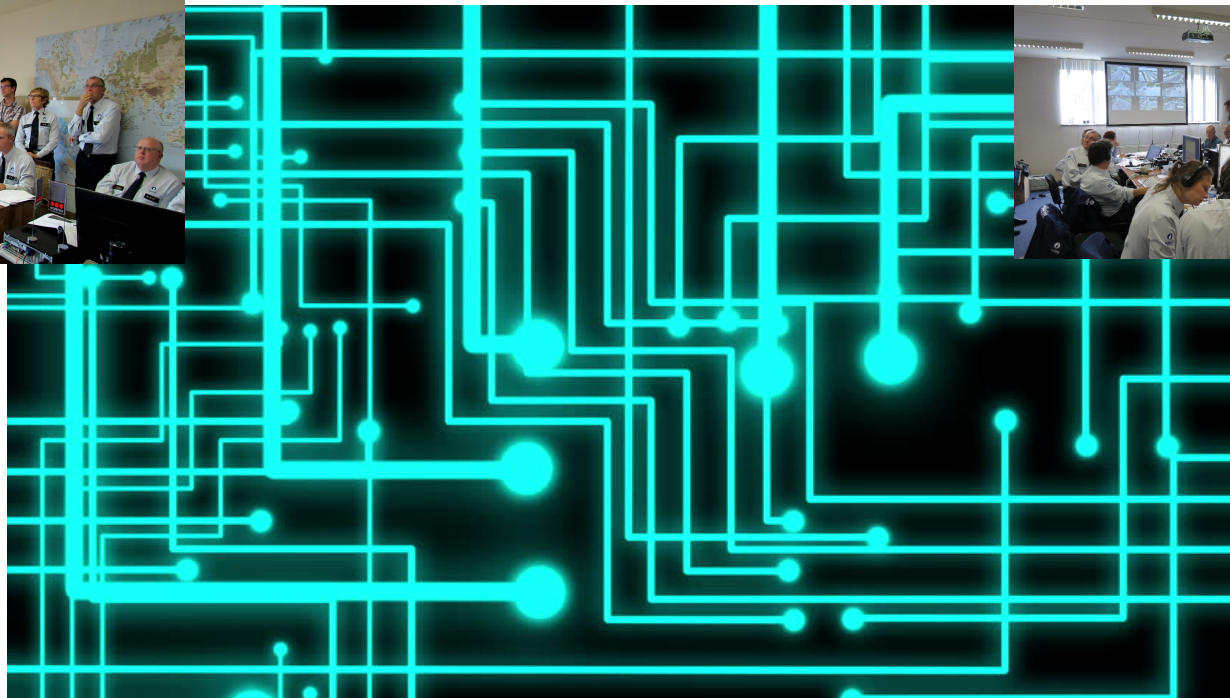- Saves time to explain and have new data/insight

Project Cycle race Record Bank E3 Harelbeke

Observation 1: netcentric information flows & BSG structure

Observation 2: difficult to translate experience to training programs

- Impact of technology & innovation on structure and culture
- Information managers
- Dominance of video sources
- Social media
- Impact back office underestimated

Observation 3: how measuring succes?

▸ **Cognitive Process: common overall picture and shared evaluation**
▸ **Multidisciplinary collaboration**
▸ **Time saving**
▸ **Saving staff (10%)**

Observation 4: it takes time to reach market

Private partners:

- 'Direct' versus 'indirect' investments in innovation project

- Ownership of the problem?

Observation 5: accountability

‣ **What when it goes wrong?**

‣ **Code of conduct**
  ‣ Fair competition
  ‣ Public tenders
  ‣ Confidential information
  ‣ Relationship with partners, clients, governments, suppliers, …

Discussion

▸**Difficult to find resources to profoundly understand the impact of technology on**
  - ▸Structure: back office
  - ▸Information flow
  - ▸Facilitating & training

▸**ROI: economic development / security?**

▸**Identify the owner of the 'problem' -> sustainable solution**

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