The Resilience of Digital Cities

Opportunities, Risks and Hackers...

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Vision of Digital Cities

- No more queuing up at the town hall
  - E-government via tablet or smartphone
  - No more paper
- No more congestion problems
  - Automated parking guidance
  - Fewer traffic jams
  - Better transportation services

➔ The solution: everything is connected, easy data exchange, artificial intelligence
But...

... there is a dark side.
Possible Threats

• Random attack
• Information leaking
• Targeted attack
• Gateway for other threats

We are just talking about money!
Local government owns a lot of sensitive and valuable data/information/connections:

- residents
- allowances
- taxes
- (critical) infrastructure
Becoming a Hacker

You need:
• https://www.youtube.com
• a few tools (sometimes)
• possibly the “dark net”

and criminal motivation
IT Infrastructure

This is IT we often see in smaller municipalities, town halls, municipal organisations...
Needs

Becoming “smart” – but “secure”

• We need to establish information exchange regarding security issues
• We need awareness
• We need thinking about security before it runs out of control
• We need you!