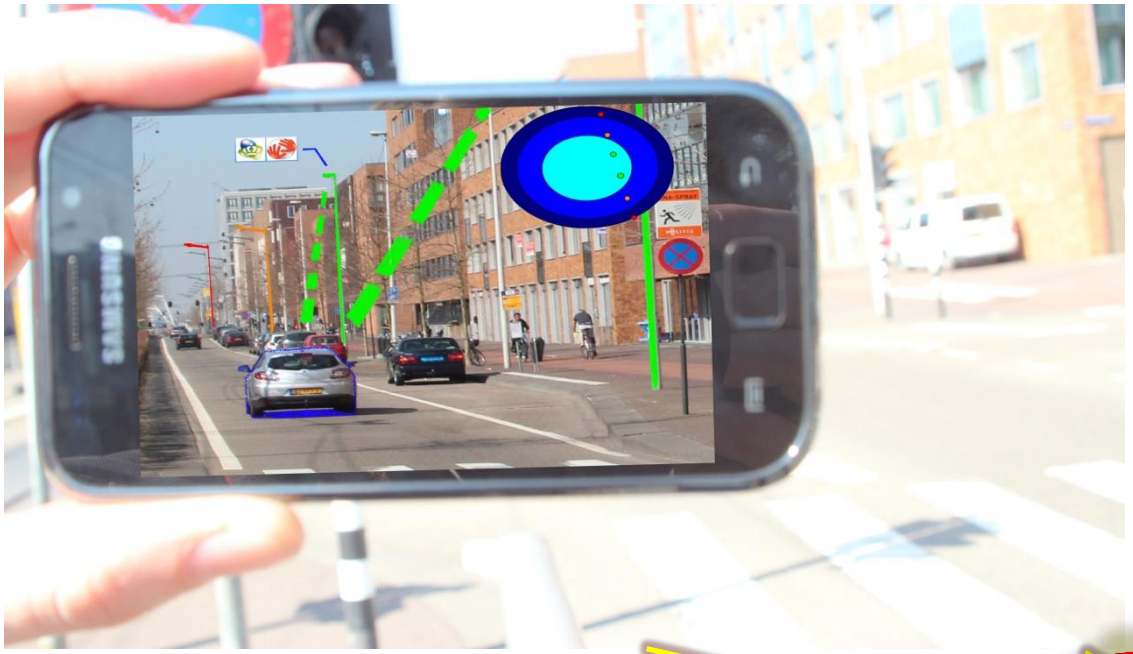
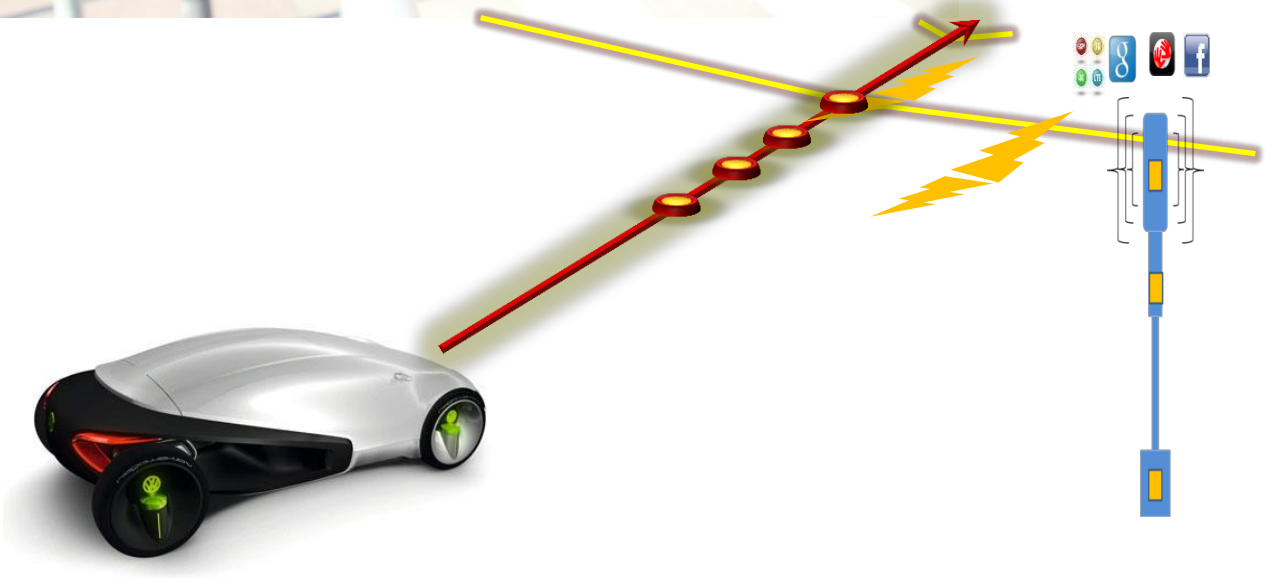
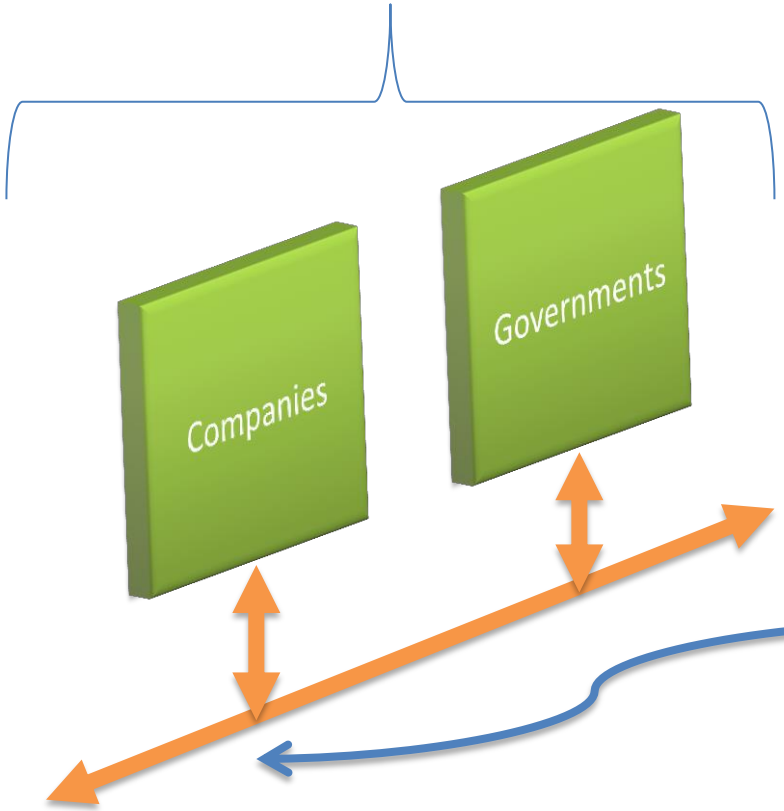
Unbundled (third party) Access Network Exploitation





Demonstrate market for companies jointly delivering secured networks

Demonstrate adaptions with Real/cloud networks (SDN/NFV)



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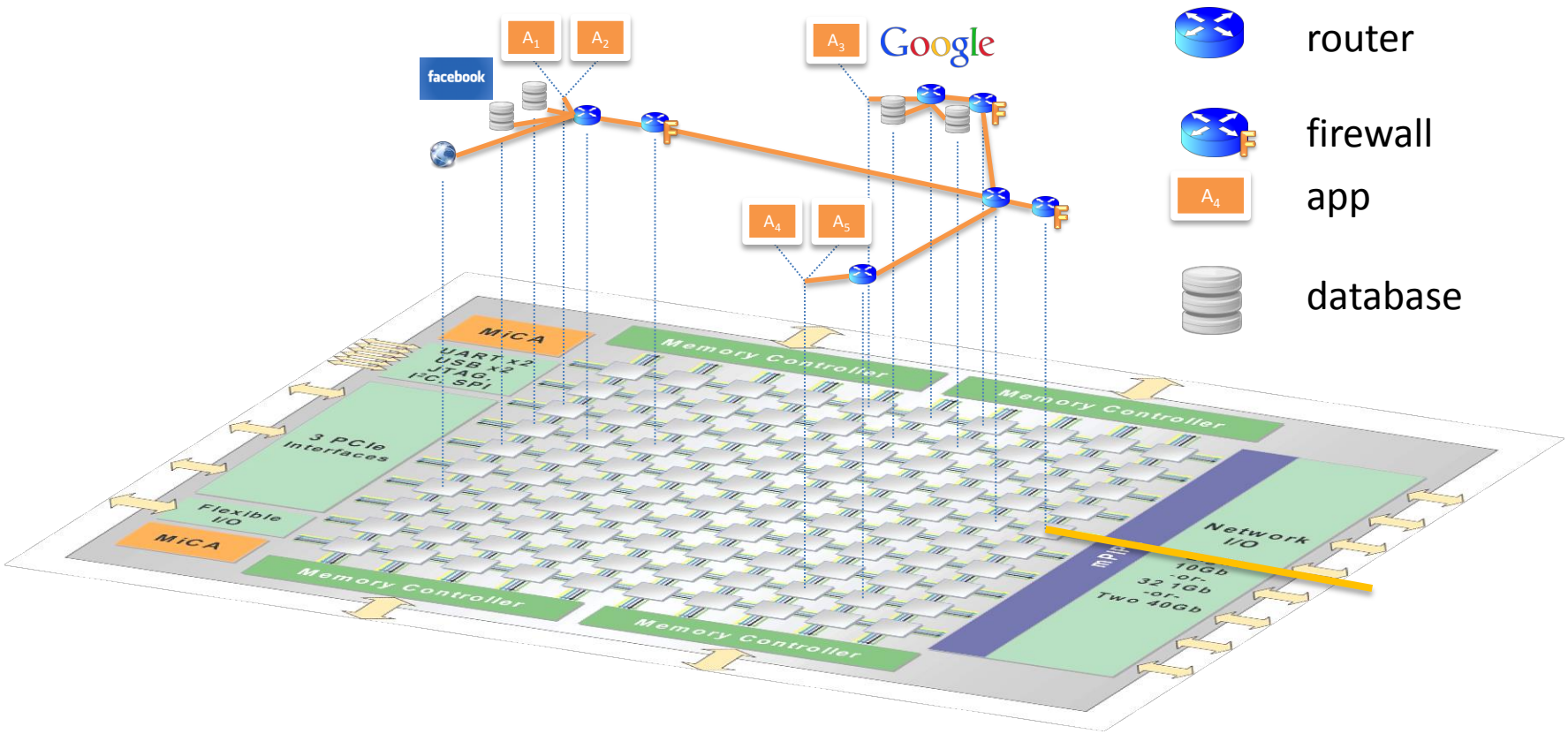
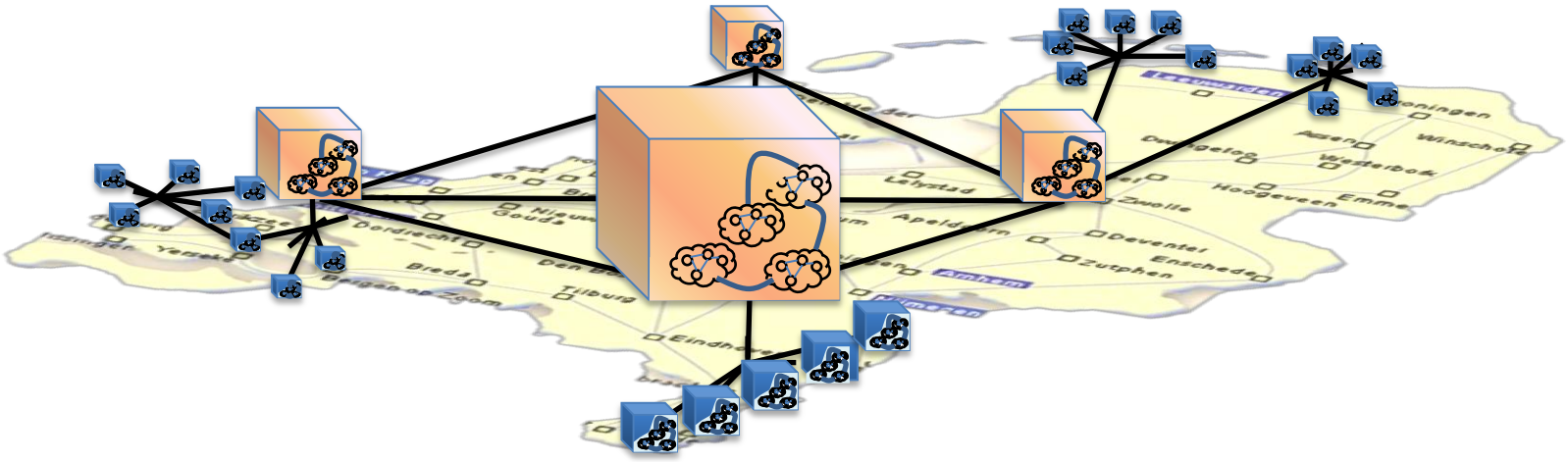

A1
A2
A3
A4
A5
facebook
Google
F
router
firewall
app
database
MiCA
UART x2
USB x2
JTAG
I2C
SPI
3 PCIe Interfaces
Flexible I/O
Memory Controller
Memory Controller
Memory Controller
Memory Controller
MiCA
Network I/O
10Gb
-or-
32 1Gb
-or-
Two 40Gb


Lelystad
Apeldoorn
Zwolle
Deventer
Enschede
Zutphen
Hoogeveen
Emmen
Winschoten
Westerbork
Assen
Groningen
Dordrecht
Gouda
Breda
Tilburg
Eindhoven
Amhem
Nijmegen

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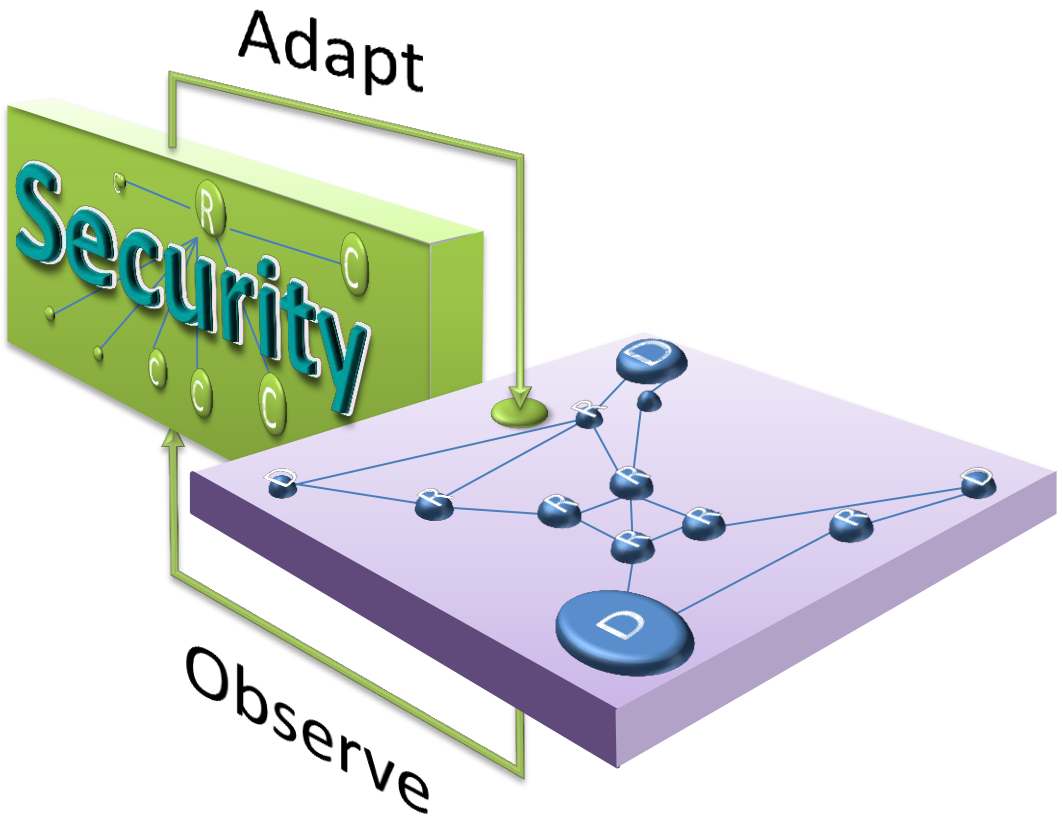
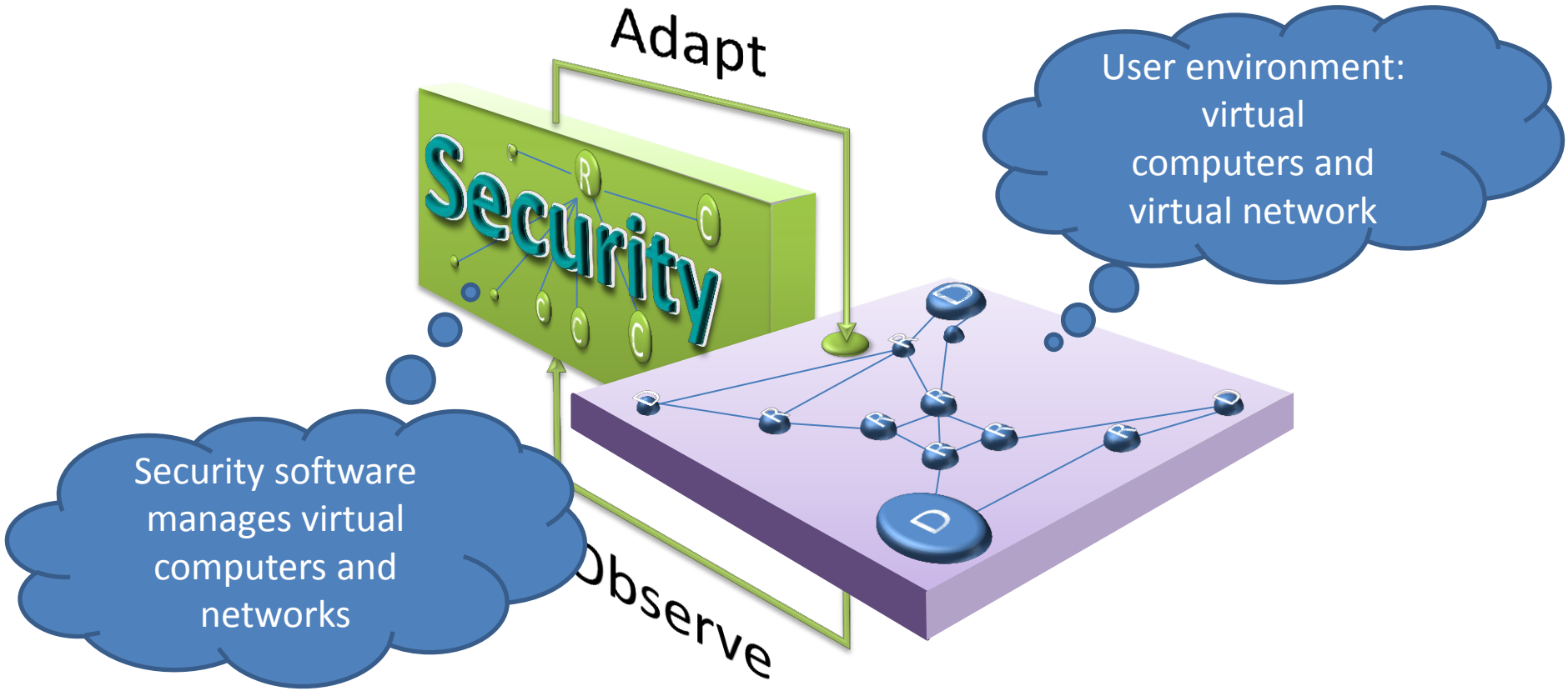
Super Computing 2014 Demo

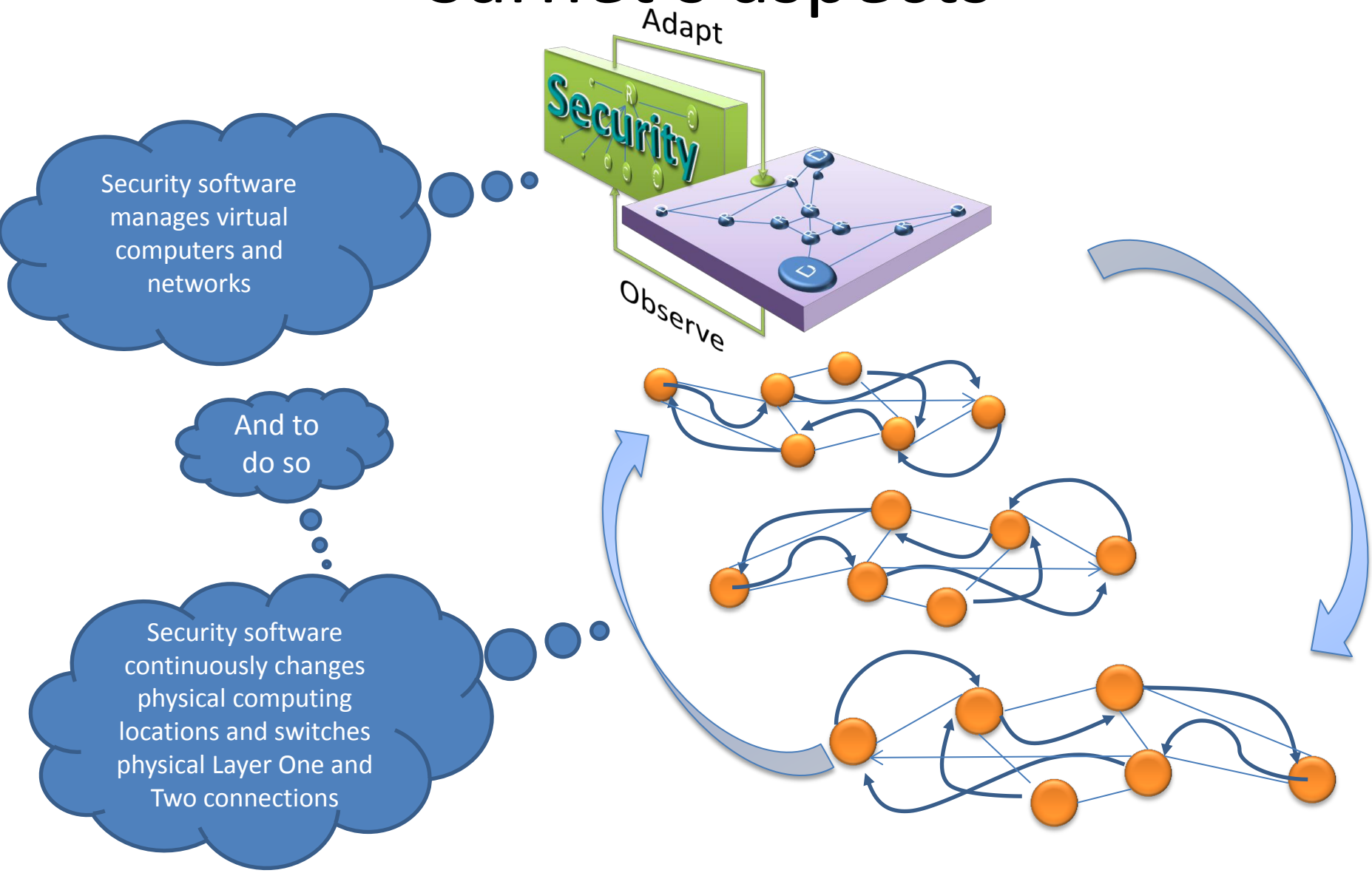


Sarnet's aspects

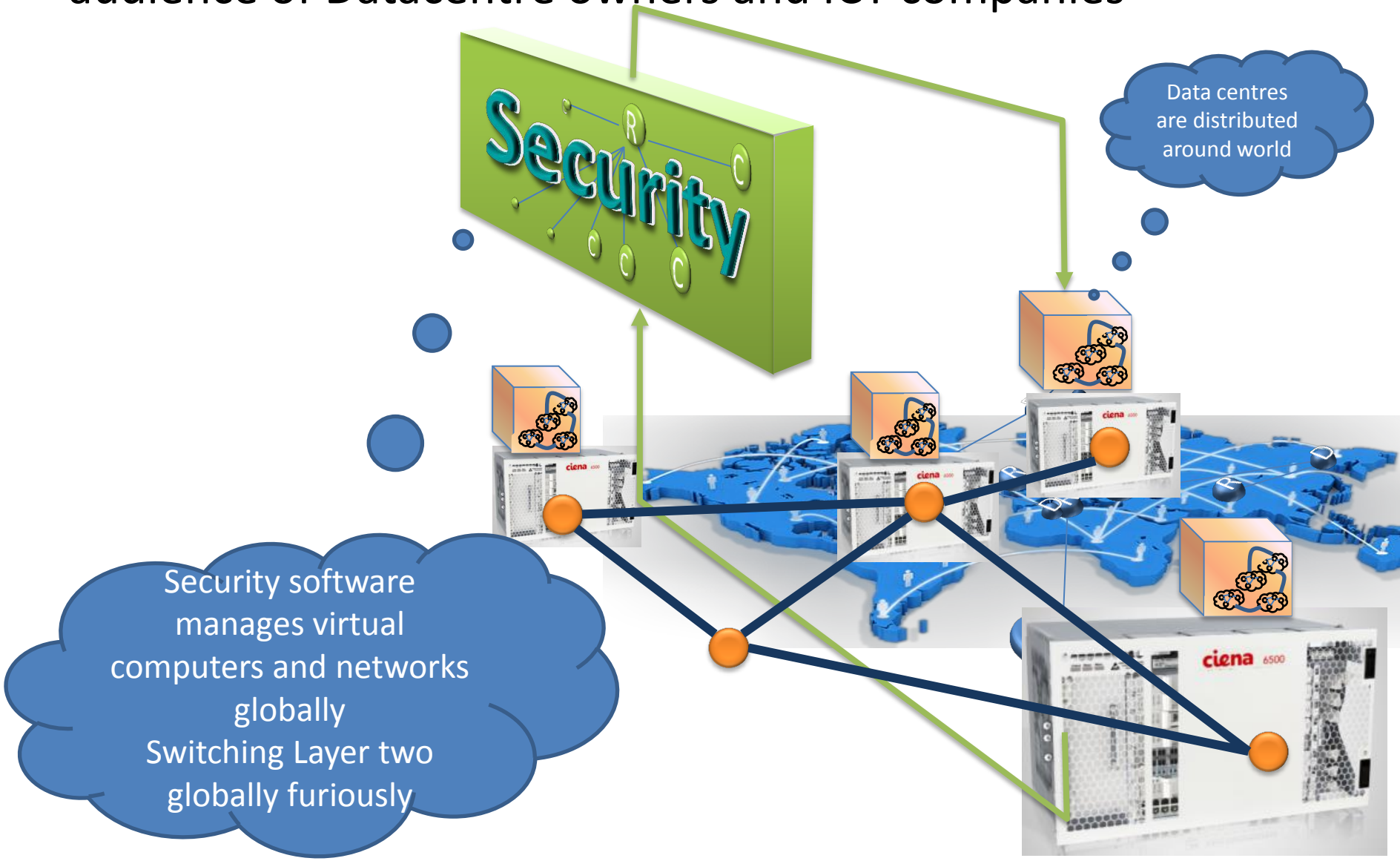


Users are unaware of modifications due to the security software

Sarnet's aspects



With KLM Demonstrating:
adaptive secured networks and IT services Yearly to an audience of Datacentre owners and ICT companies



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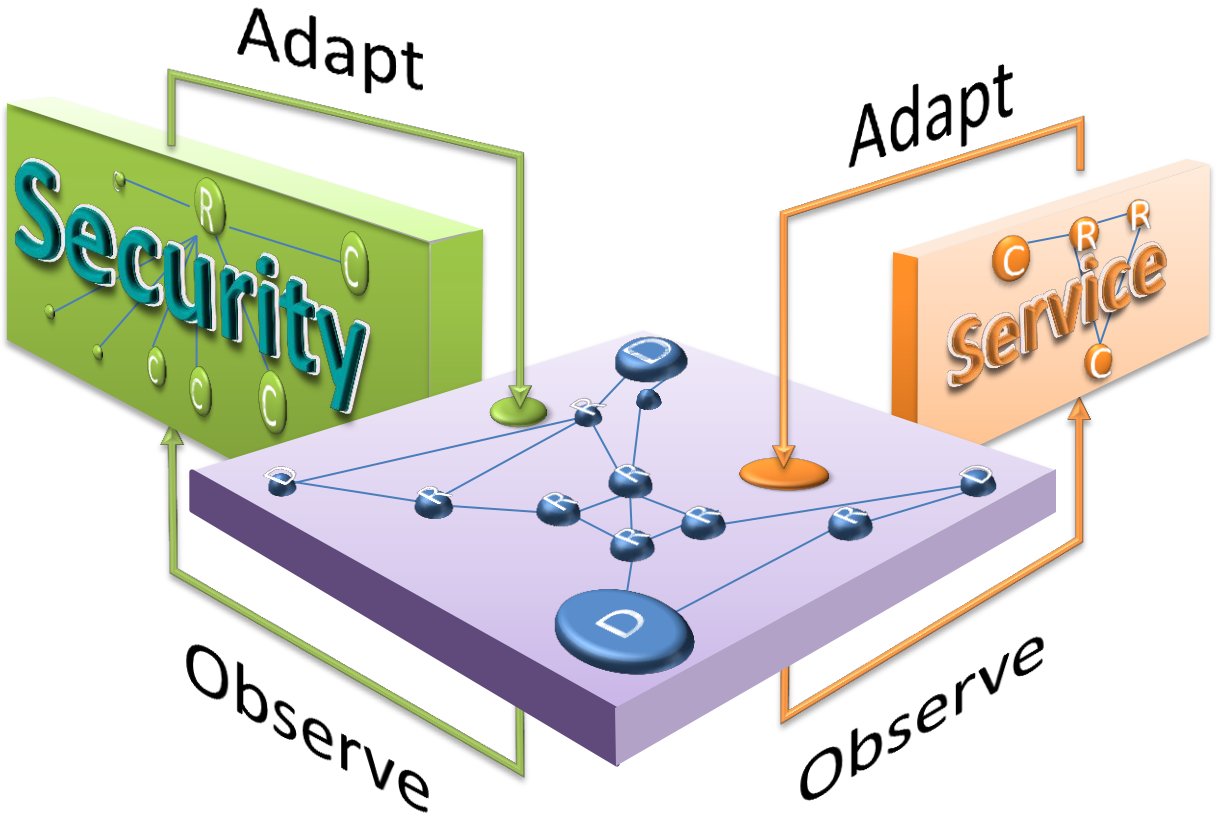
Demonstrating: adaptive secured networks and IT services

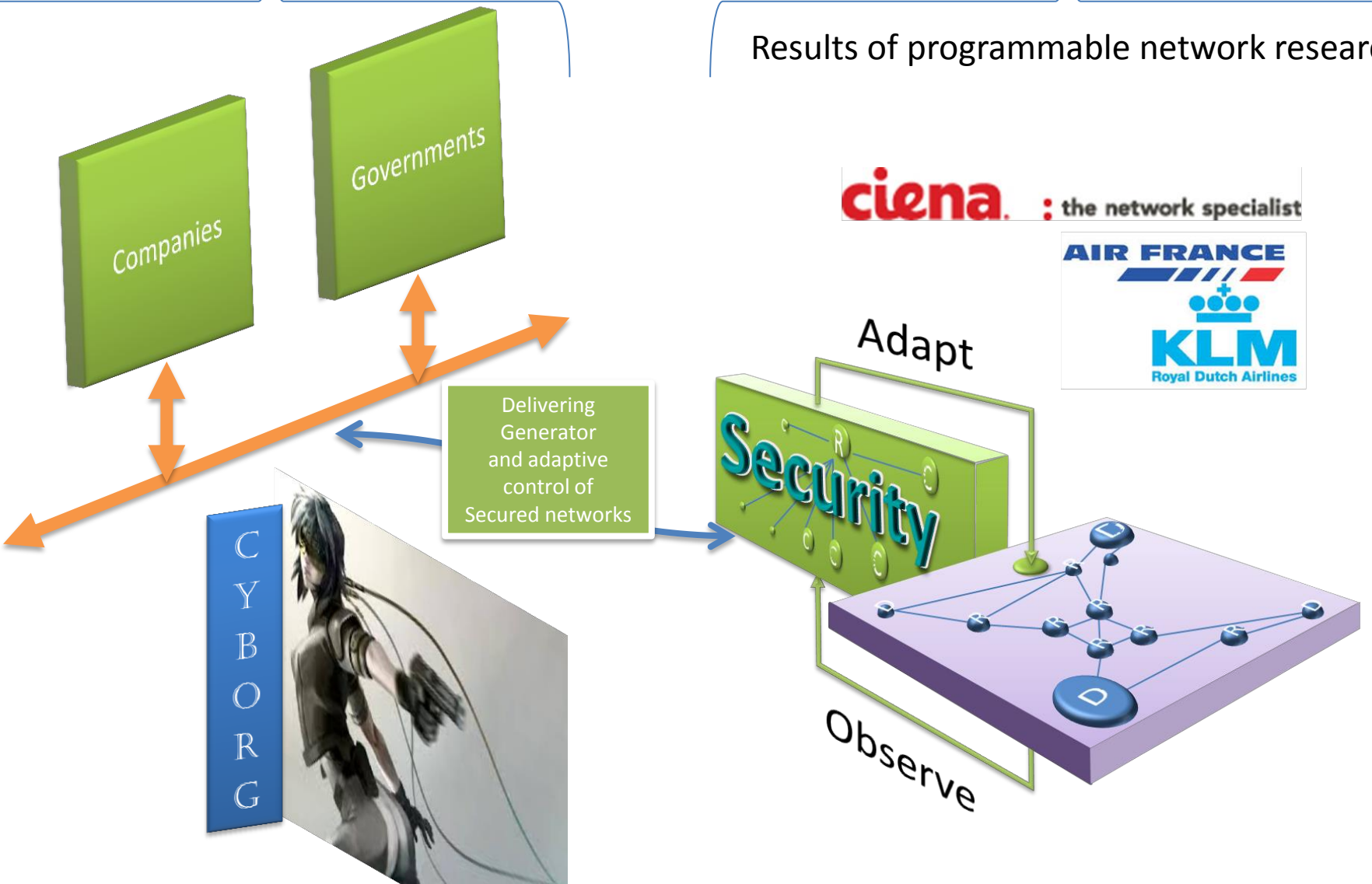

Adapt
Security
Adapt
Service
Observe
Observe

Proposed R&D:
Demonstrate market for companies jointly delivering secured networks

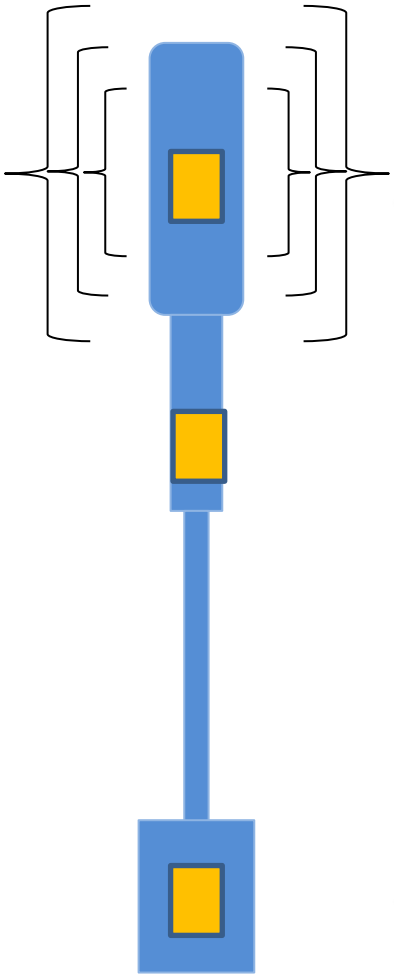
Existing collaboration having:

- NWO proposal
- Supercomputing 2014 demonstration

Results of programmable network research



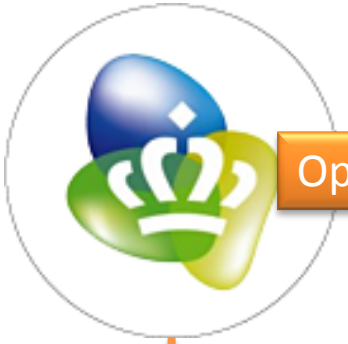
Third party apps run the telecom masts



Programmable antennae

Software controlled radio

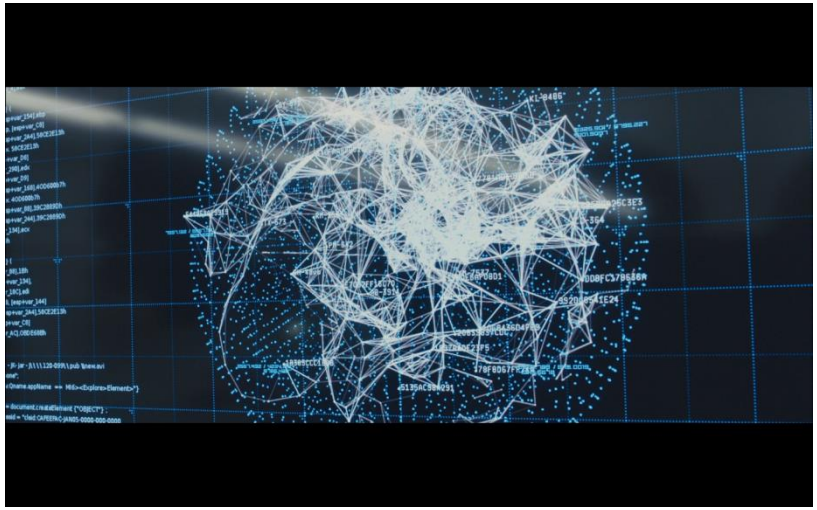
Local Cloud



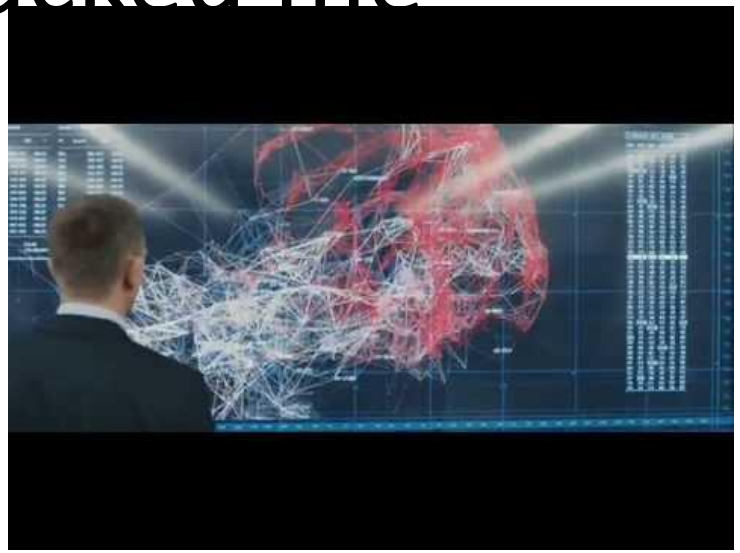
Operator

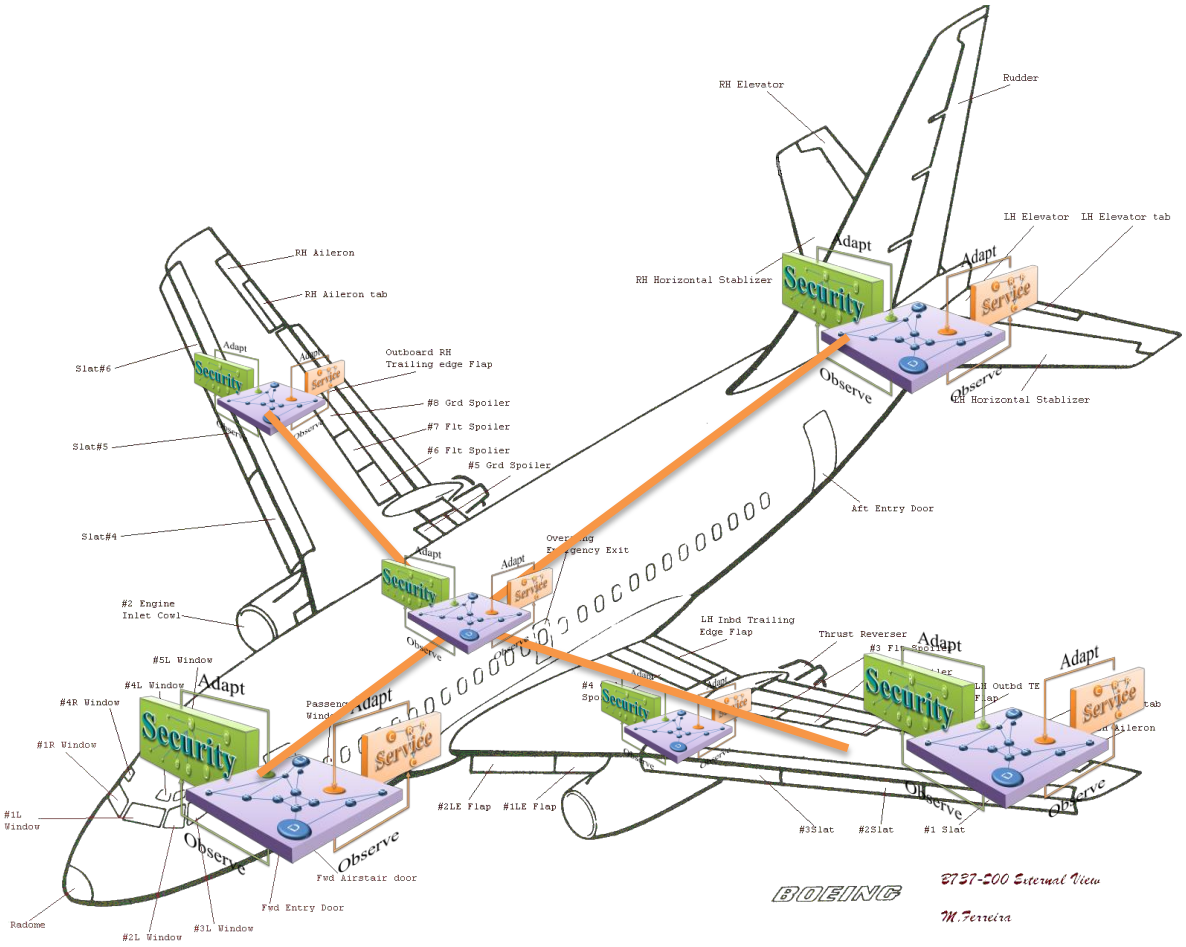
Operating System

James bond he hacked me



Viewpoint translatie



https://www.youtube.com/watch?v=aApTVqeGJMw

Zillions of internets in cyber physical systems