Back to Basics per la Cyber-security

webinar – The Innovation Group

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Cyber- security — a lot of hype

Economist: the 5th war domain

HBR: a boardroom issues

Double digit grow of cyber-security found & ETF

 New USA-China technologic cold war (European NIS, Italian Golden power)





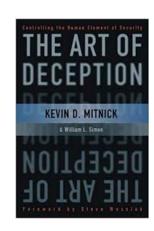




Cyber- security — what is not

Only a technical issue

- Users awareness:
 - Kevin Mitnick "the art of deception", the power of social engineering
 - Phishing e spear-phishing
- End point insecurity (PC, table, smartphone, smart-objects)
- The "cloud era" and related boom of data breach



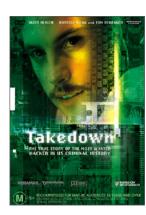




Cyber- security — what is not

- Only about hackers
- "wanna by hackers": a lot of noise, no harm
- Cyber criminals: it's about money
- Cyber military army (advanced persistent threat – ATP): cyber espionage, state sponsored attacks









Cyber- security – what is

Complex and interdisciplinary

 Require a risk based approach and involvement of all company employees



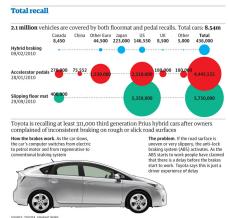
Note: https://www.slideteam.net

Cyber- security — why it will remain relevant for the digital society Total recall 2.1 million vehicles are covered by both floormat and pedal recalls. Total cars: 8.5 4m recall (and other favo Japan US of the Total Total).

 Externality (auto-recall vs software path management)

Asymmetry

- many to one
- attacks advantage vs defence: "they have to be right only once"
- global attacks vs local judiciary systems
- High indirect costs (brand damage and customer trust are at stake)







Cyber- security – the main challenges

- Internet of Things attacks
- Confidentiality, Integrity, Availability and Safety
 - Car Hack
 - DDoS Miray
 - ... what next?





Note:

https://www.wired.com/2016/08/jeep-hackers-return-high-speed-steering-acceleration-hacks/
https://www.csoonline.com/article/3258748/the-mirai-botnet-explained-how-teen-scammers-and-cctv-cameras-almost-brought-down-the-internet.html