

Riigi
Infosüsteemi
Amet

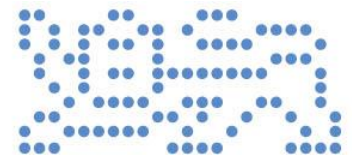
Software stores our wisdom

Jaan Priisalu

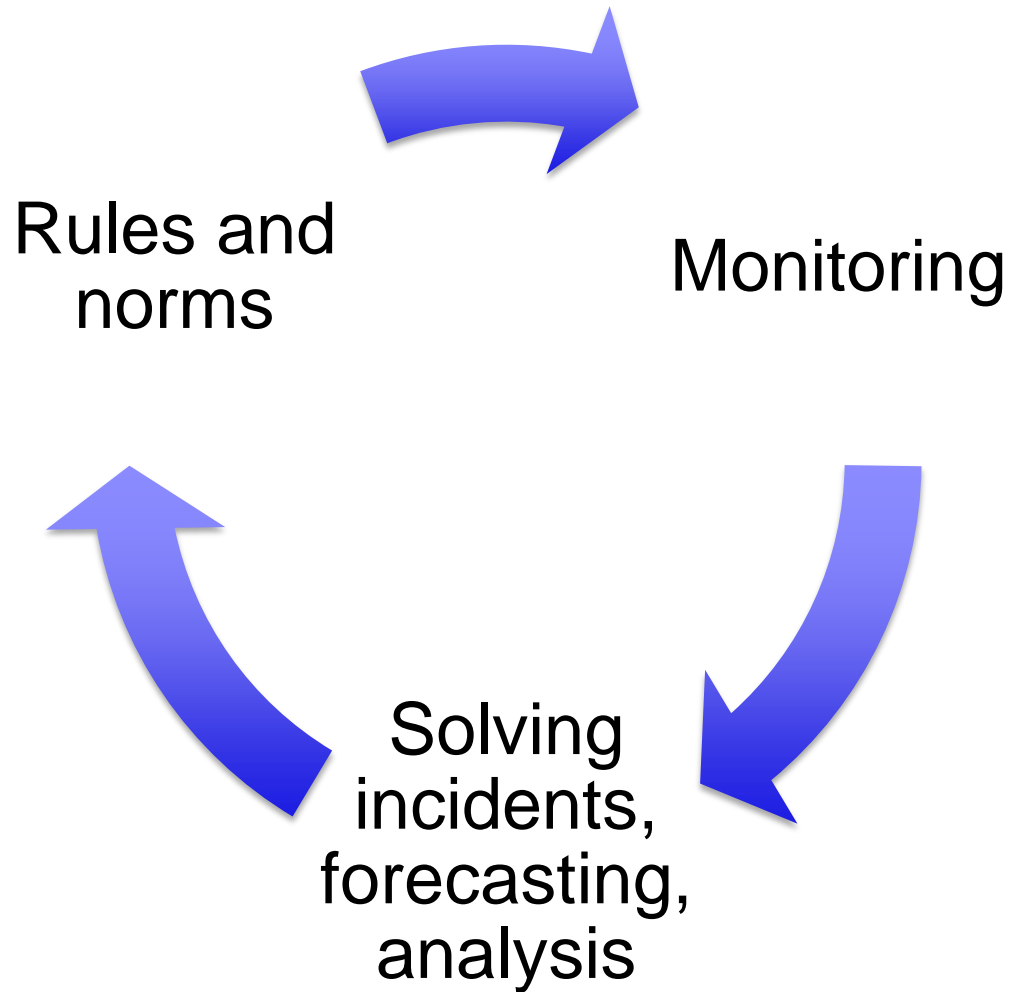
05.06.2012

Topics

- Artificial environment
 - CIIP at home
- Conflicts in cyberspace
 - Criminal
 - Political
- Experience management



A virtuous cycle of security



Artificial environments

- Energy
- Communication
- Food and water
- Transportation
- Finance

Data is abstraction of influence

Explosion of complexity

Way of Life



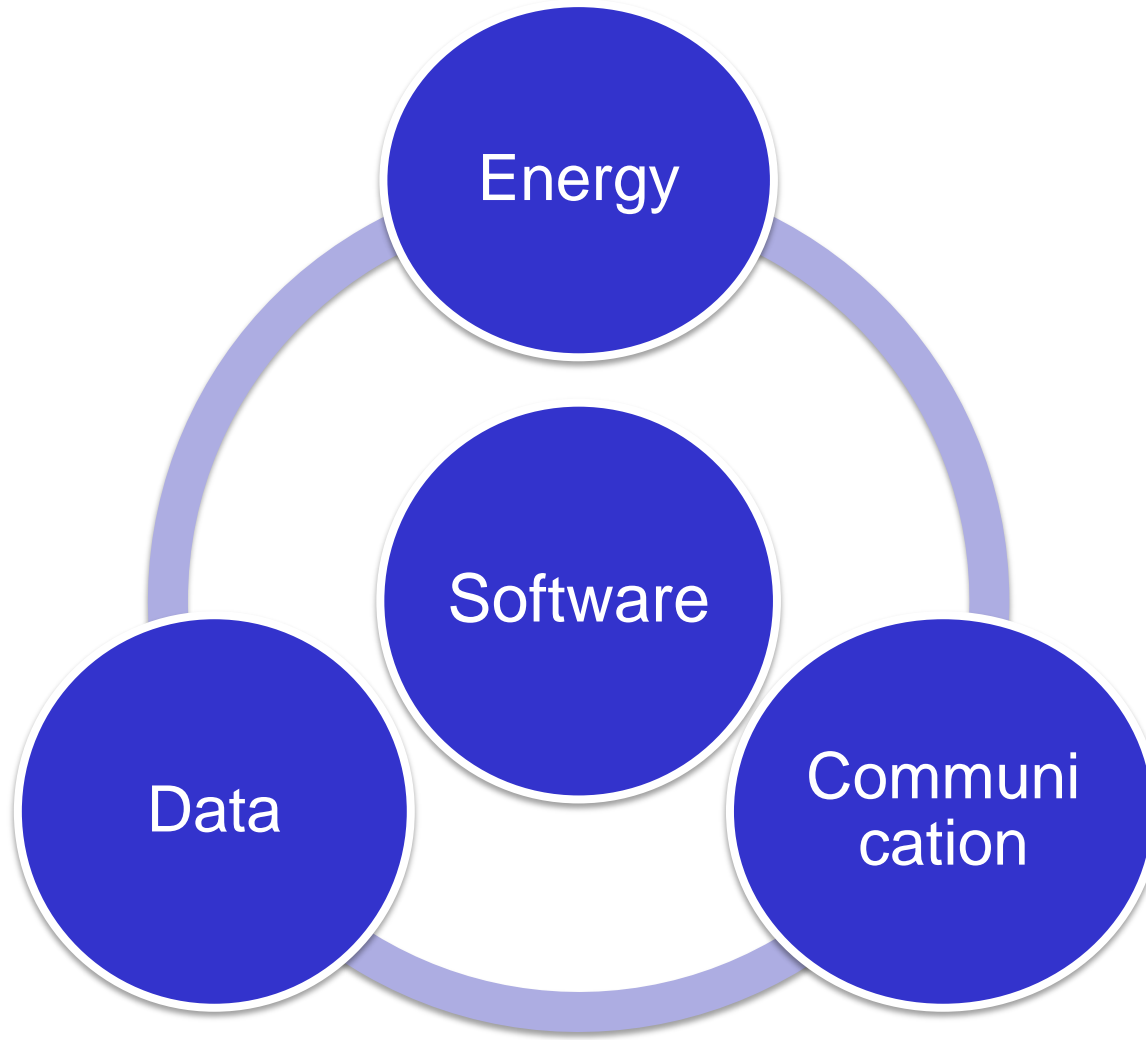
Automation

We are protecting our time

We give our tasks to machines

Software stores our behaviour

Critical dependency

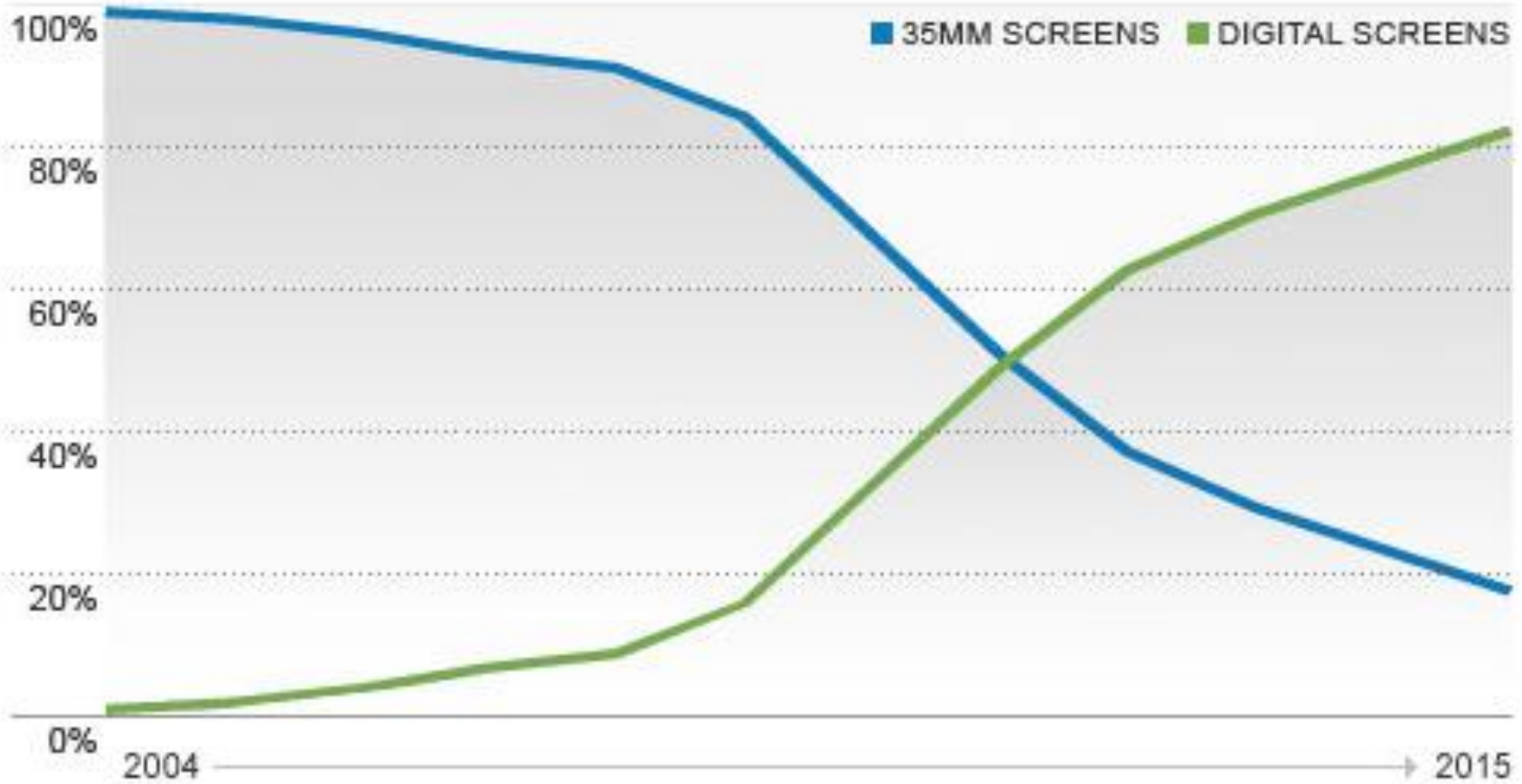


Artificial environments at home

- Entertainment
- Smart home
- Smart car and road

Entertainment

35MM VS. DIGITAL PROJECTION TECHNOLOGY IN GLOBAL CINEMAS



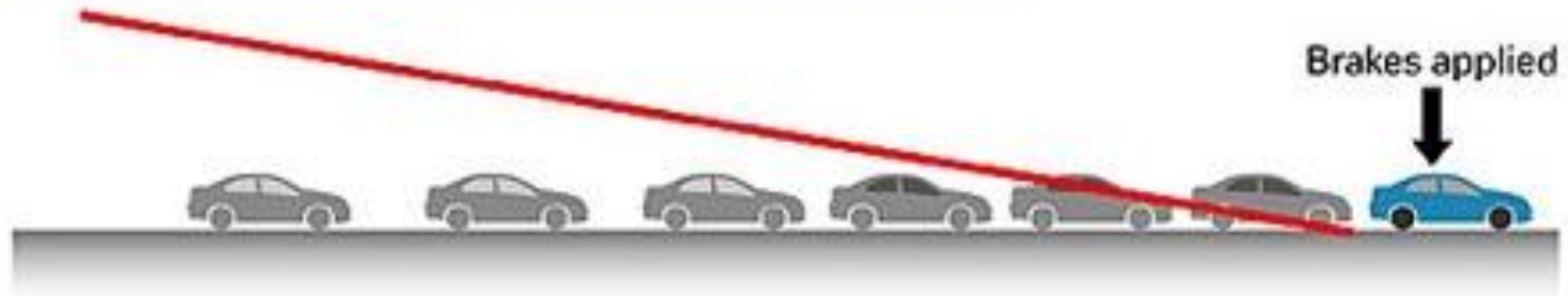
SOURCE: IHS SCREEN DIGEST NOVEMBER 2011

Smart home

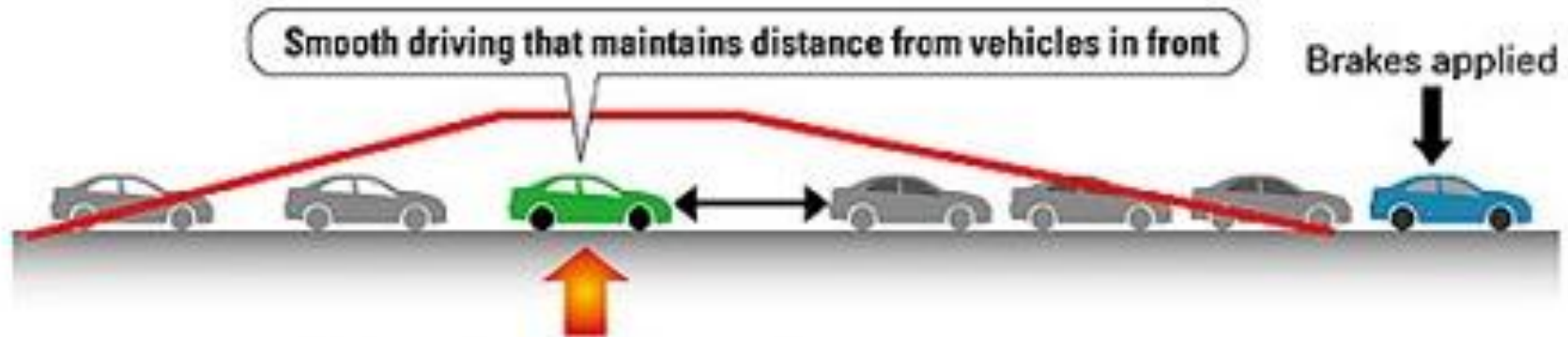


Smart transportation

When congestion occurs

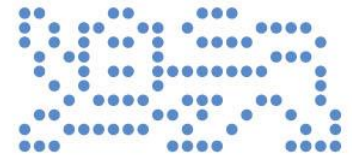


When congestion minimizer system is used



Fragile virtual world

- 0.1% on paper
- BGP ja DNS
- Personal data in cloud
- Power of financial markets



Communication through software

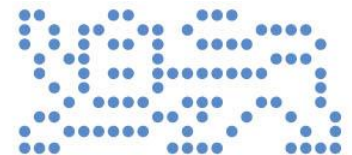
- Strings output
- POST and JavaScript
- Stuxnet was carrying intention and ignorance

Political conflict

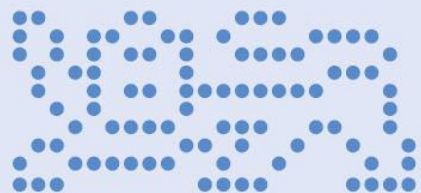
- Estonia 2007
- Georgia 2008
- Tunisia 2011

Conclusion

- Interaction complexity is challenge
 - Requires careful society and market engineering
- Concentrated risks are changing cooperation models
- Software quality determines our quality of life



Thank you!



Riigi
Infosüsteemi
Amet

