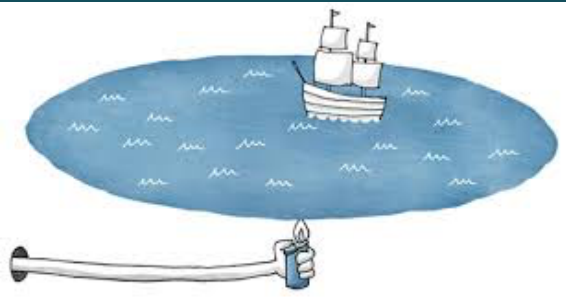


En dan ben je baasje security in 2120



you can't boil the ocean

Uw spreker:
Dr. Barry Derksen


antwerp
management school

Powered by the University of Antwerp

Smart home & sustainable energy(en €):
- elect. car
(home & transport 0 at meter)
- 44 solar panels (connection!)
- removing gas

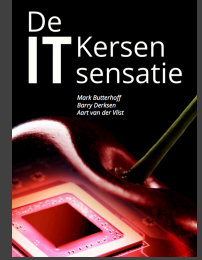


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Agile Secure Software Lifecycle Management
Secure by Agile Design

Dr. lec. Barry Derksen MSc MMC CISA CGEIT
Dr. Monique Heggen CISA CISM CGEIT CIBP
Dr. Ing. Sander Overman BSc CISA CISM
Sef Zelen MSc, CISA

The graphic features a large white circular arrow with a shield icon in the center, set against a dark background with a network of glowing lines.

Today Secure Vendor Management als Security baasje is....



What society thinks I do



What my mom thinks I do



What my clients think I do



What my friends think I do



What I think I do



What I actually do

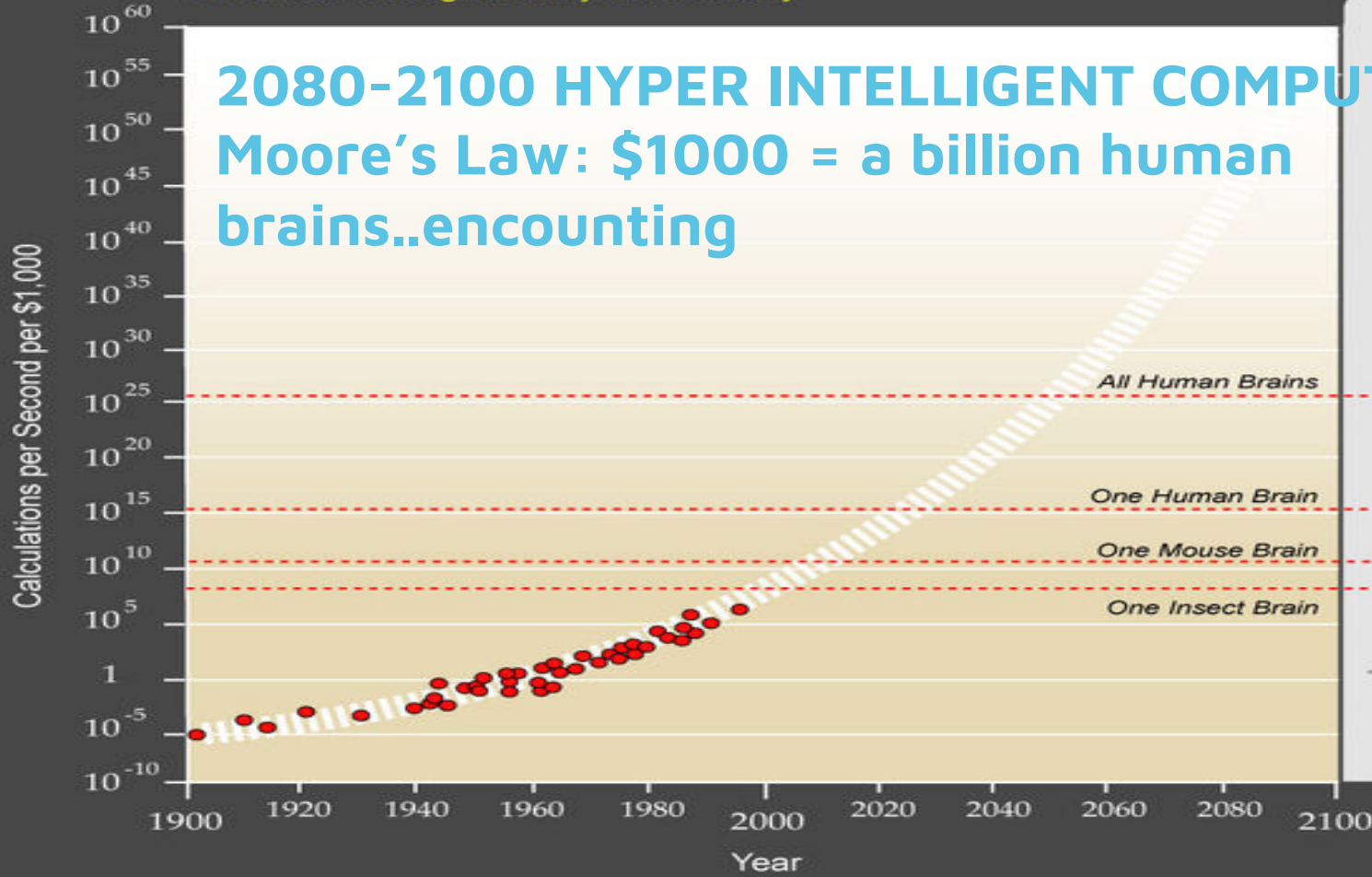
In 2120 human brains are not separate entities

AI/Human merge	Protecting the AI rules and usage for human	Hacking Human's	Security area within 60 years
Surgical robots	Protecting the goal and way of working of surgical robots	Threatening usage of surgical robots	Security area within 50 years
Industrial, Domestic, army, service and other robots	Protecting goal and way of working of these robots	Using robots for different goals	Security area within 50 years.

Exponential Growth of Computing

Twentieth through twenty first century

2080-2100 HYPER INTELLIGENT COMPUTERS
Moore's Law: \$1000 = a billion human brains..encountering



Logarithmic Plot



Dear vendors, towards 2120...

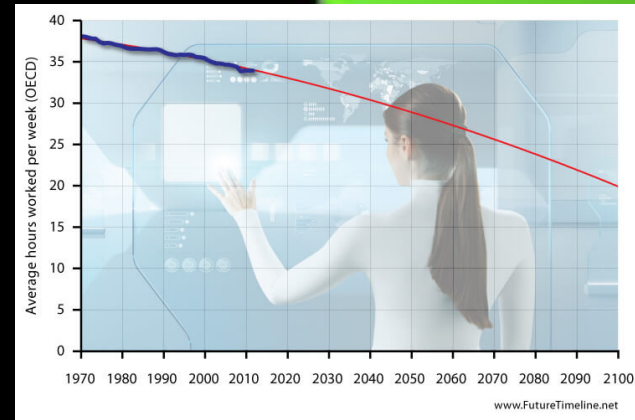
- How are we protecting our AI based services, products, tools?
- Are AI tools tested?
- How is training data managed for confidentiality and integrity?
- How are the rules, algorithms protected?
- Is a control procedure in place for abnormally behavior of AI programs?
- Are governance and policies updated for AI activities and security elements?
- Is cybersecurity aligned to include AI protection, organization, process, policies and technologies?

In 2100, >10% off humans are
brain hacked...

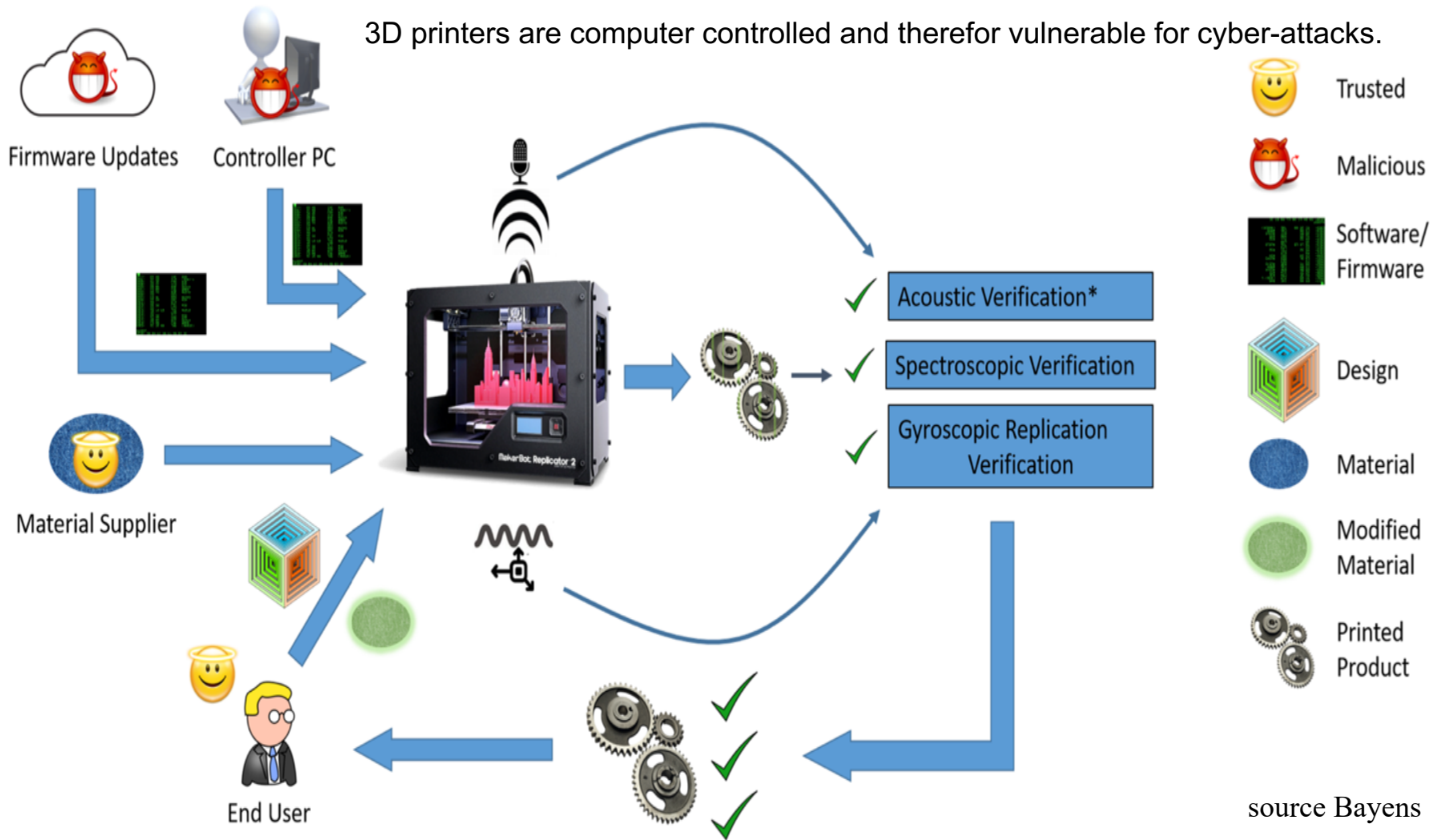
While working less...

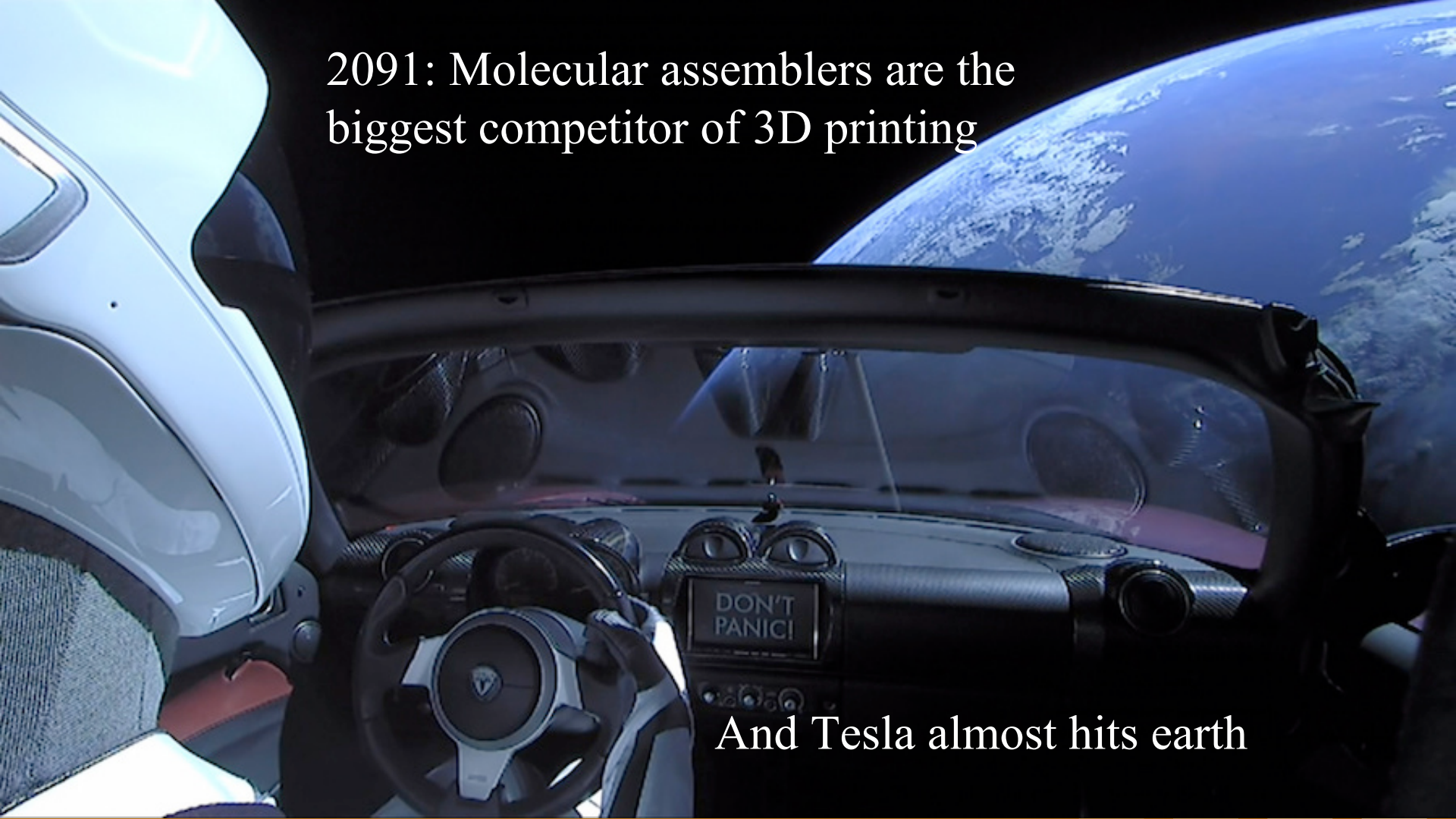


Nanofabricators, advanced 3d
printing and Molecular
assemblers



3D printers are computer controlled and therefore vulnerable for cyber-attacks.



The image shows the interior of a luxury car, likely a Rolls-Royce Phantom, from the driver's perspective. The steering wheel features the Rolls-Royce logo. The dashboard has a small screen displaying the text "DON'T PANIC!". The car is positioned in space, with the Earth's horizon and blue atmosphere visible through the windshield. The lighting is dim, with a blueish tint, suggesting a space environment.

2091: Molecular assemblers are the
biggest competitor of 3D printing

And Tesla almost hits earth

- **2050 Nanobots will plug your brain in the cloud**

Vulnerability management embedded software	Protecting embedded software by secure coding	Stealing 3D designs, install hostile software Malicious prints
Expose flaws including admin access	Protecting embedded software by secure coding Bayens three layer verification	Stealing 3D designs, install hostile software Malicious prints
Poisoned print files		
Infiltrating digital blueprints		
Carders (is a type of cybercriminal that focuses on credit card fraud)	Prevent easy copying a device that pops onto an ATM card reader or cards itself.	printing skimmers printing fake copies of cards.

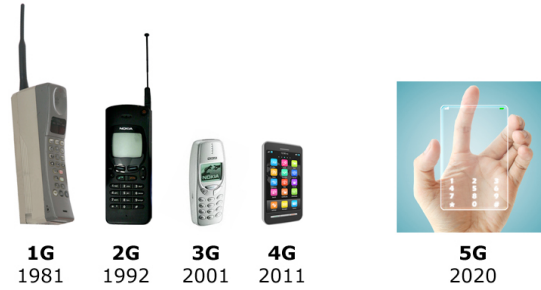
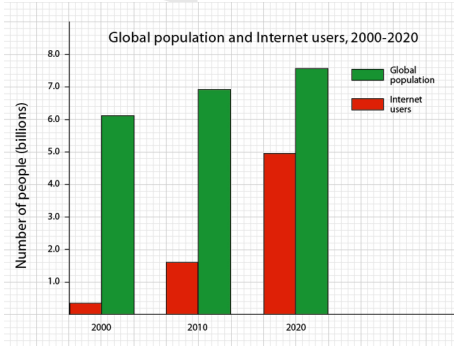
- **2040** Everything connected to the cloud

Security orchestration is not a luxury



INTERNET
— *of* —
THINGS

2020-2030



- Internet has 5 billion users.
- 5G available
- Texting by thinking
- Energy net is completely intelligent
- > 500,000.... drones worldwide
- Games real-life (e.g. 3d).. & bigger / more intelligent than Google.
- Human A.I. becomes reality
- Groceries without seeing someone

Security baasje en de nabije toekomst..

1995-2005
1st phase
Internet

Low level of digitalization

Search

2005-2015
2nd phase
Internet

Social

Media / Information
15% of the Economy

2015-2030
3rd phase
IoT

Drivers:
Robotics
Wearables
Smart systems

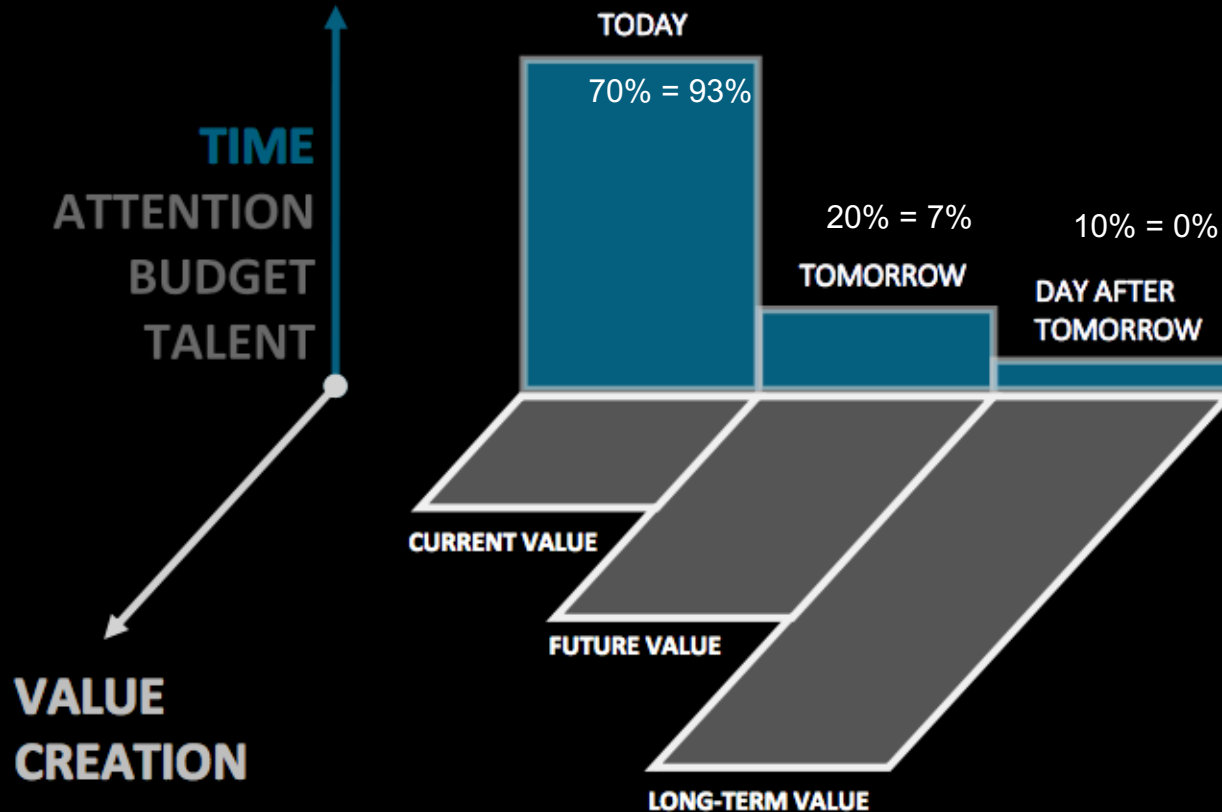
Smart Cities
Singularity
Quantified self
3D printing

Physical elements are next!
High Level of digitalization



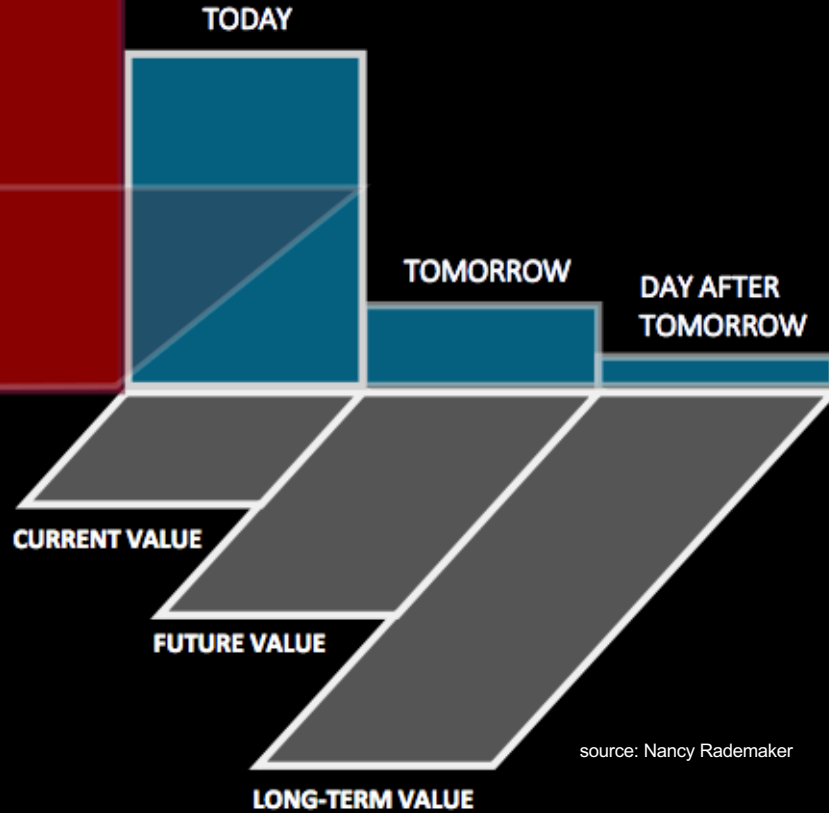
Digitalizing the physical environment (production, healthcare, homes, cities,...)
85% of the Economy

2020....What vendors think I'm doing



My reality...

THE SHIT OF
YESTERDAY



source: Nancy Rademaker

Dan maar aan de slag...



Don't boil the ocean

Wat doet een CISO

- ❑ Fix paar grote problemen
- ❑ Focus op operatie (monitoring & incident)
- ❑ Trek stekkers uit


CHAOS RESOLUTION BY AGILE VERSUS WATERFALL

SIZE	METHOD	SUCCESSFUL	CHALLENGED	FAILED
All Size Projects	Agile	39%	52%	9%
	Waterfall	11%	60%	29%
Large Size Projects	Agile	18%	59%	23%
	Waterfall	3%	55%	42%
Medium Size Projects	Agile	27%	62%	11%
	Waterfall	7%	68%	25%
Small Size Projects	Agile	58%	38%	4%
	Waterfall	44%	45%	11%

The resolution of all software projects from FY2011-2015 within the new CHAOS database, segmented by the agile process and waterfall method. The total number of software projects is over 10,000.


Vertrouwen bouwen

- ❑ Ziel van het bedrijf raken
- ❑ Zoek je peers
- ❑ Risk based, CIA...wat is echt belangrijk?





Al Capone
"You get more with a kind word and a gun, than with a kind word alone"

- Service level Agreement
- Boeteclausule
- Onder de pet houden
- Kiezen tussen leveren en de boete
- ...

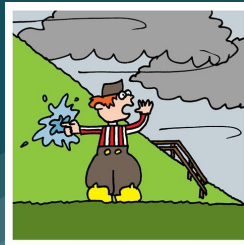


Seneca
"Als je iemand vertrouwt, maak je hem betrouwbaar"

- Elkaar vertrouwen
- Gelooft in expertise
- Contact en dialoog
- Betrouwbaarheid
- ...

Comment:
 Do you want to hire a hacker and dont know who to hire. [REDACTED]
 contact us today for various types of hacking (criminal records cleaning ... exam score up grade... social media hack... email hack and any hacking related issues)
 EMAIL: [REDACTED]@gmail.com
 instagram; [REDACTED] professionals
 Phone number; +1 [REDACTED]





HACKING Menu

ASK YOUR SERVER ABOUT OUR SPECIALS!

Hack Group

	Bitcoin	USD
Hacking Web Server (VPS or hosting)	0.43	\$266.52
Setting up Keylogger	0.25	\$154.95
Device Tracking (smartphone/PC)	0.32	\$198.54
Hacking Personal Computer	0.23	\$142.56
Spyware Creation	0.35	\$216.93
Intelligence Report - Background Check	0.23	\$142.56
Setting Up Your Own Botnet	0.93	\$567.42
Logs from Zeus Malware, 10 GB (Stolen CCs, PayPal, Bank Accounts)	1.24	\$768.56

Russia Hackers

	Bitcoin	USD
Custom Ransomware (CTB-Locker)	2	\$1,239.62

The Real Deal (TOR eBay-clone)

	Bitcoin	USD
24 Hour DDoS	0.743	\$460.52
Social Media Hacking, Per. Account	0.104	\$64.46
Apple Enterprise Certificate Private Key	14.8569	\$9,208.46

Cell Phone Hacking/ Phreaking

	Bitcoin	USD
S7 API Access (1 Month)	0.32	\$200.00
SMS / Call Spoofing (1 Month)	0.03	\$20.00

Rent-A-Hacker

	Bitcoin	USD
Small Jobs	0.35	\$221.14
Medium-Large Jobs	0.89	\$552.85



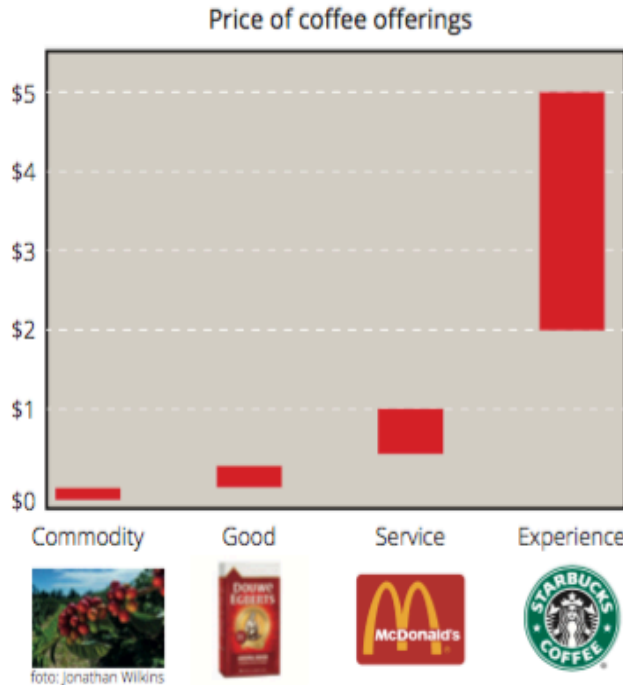


Ga voor kersen Sensatie

IAM, Sec.
Dashboard,
DMARC...

'The Experience Economy'

De toekomst voor Europa zit hem vooral in het toevoegen van waarde aan bestaande producten en product-onderdelen.




Waarom experiences?

- Hogere waardeperceptie
- Eenvoudiger om te differentieren
- Moeilijker te kopiëren
- Beter customer loyalty



Hogere marges!

Bron: *The Experience Economy*, Pine, 2000

A portrait of Maya Angelou, an elderly Black woman with short, curly grey hair, smiling warmly. She is wearing a dark, patterned top and large hoop earrings. The portrait is set against a black background with a white glow effect around her head and shoulders.

**"I've learned that people
will forget what you said,
people will forget
what you did,
but people will never
forget how you
made them feel."**

- Maya Angelou -

<ul style="list-style-type: none">• gedrag• kennis• vaardigheden	ZICHTBAAR	Wat doe je?
<ul style="list-style-type: none">• opvattingen• overtuigingen• normen	HOORBAAR	Wat vind je?
<ul style="list-style-type: none">• waarden• identiteit• drijfveren	VOELBAAR	Wat wil je?

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I'm In Control
www.i-inc.nl
barry@i-inc.nl

Agile Secure Software Lifecycle Management

Secure by Agile Design



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Drs. Monique Neggers CISA CISM CGEIT CRISC
Drs. Ing. Danny Orwezen RE CISA CISM
Stef Zellen MSc CISA

Business
& IT
Trends
Institute

TRENDS IN BUSINESS, IT & OT

2017/2018

Disruptief SMAACT het best

dr. Barry Derksen

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exemplaren
verkocht

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2020/2021

Digital Transform in Control

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360.000
exemplaren
verkocht

