

Cyberattacken – Schadenspotenzial und Schutzmaßnahmen
Zürich, 20. Oktober 2017

The better the question. The better the answer.
The faster the world works.

EY
Building a better working world

We have been digitising, connecting and seeing exponential technology growth for over 35 years



1982
Thirsty students at Carnegie-Mellon wired up their Coke vending machine with microswitches to report on inventory levels




1994
Pizza Hut launched the world's first online ordering system




1999
Nokia launched the 7110, the first mobile phone with a WAP browser.

Seite 2 

Things are starting to get interesting ... the growth has just begun




35 days
For a new technology to reach a critical mass of 50m users




50 bn
Internet connected "things" by 2020** including sensors, RFID chips etc.


However,

1%
Is what is actually connected out of what could be connected, according to Cisco's CTO, Padmasree Warrior.



We have reached critical inflection points in many colliding physical, biological and digital technologies



Seite 3 

The Fourth Industrial Revolution is creating a new norm of connected enablement

1700's
First Industrial Revolution

Mechanical

Technology was steam and water powering the first factories

1800's
Second Industrial Revolution

Electrical

Electricity made possible the division of labour and mass production

1900's
Third Industrial Revolution

Automated

IT enabled programmable work and an end to reliance on manual labour

Today

Fourth Industrial Revolution

Connected

Cyber-physical systems, powered by IoT and fuelled by data, create a fully interconnected society

Unprecedented pace

35 days For a new technology to reach a critical mass of 50m users

Extreme experiences


87% Percentage of customers looking for a more seamless experience

Connected chaos

50 bn Internet connected "things" by 2020** including sensors, RFID chips etc.

Digital natives

75% By 2025 the make-up of the workforce is projected to be majority digital native



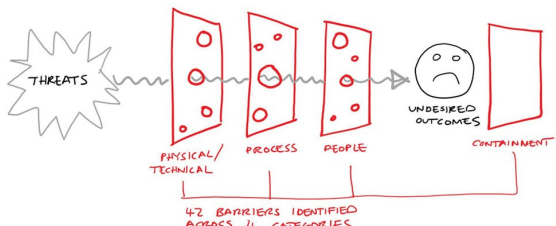
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CYBERSECURITY - RISIKEN & BEDROHUNGEN



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Why accidents happen



42 BARRIERS IDENTIFIED ACROSS 4 CATEGORIES

Swiss Cheese Model by James T.Reason

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