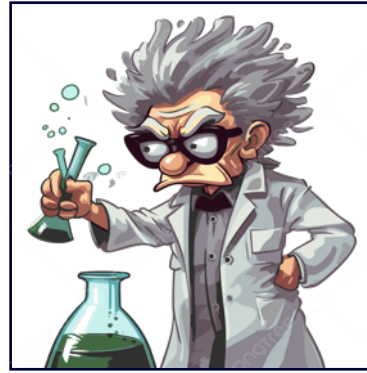




Ach, wenn die Software nur Hard wär'!

Konferenz DuD
Dr. Sven Niedner

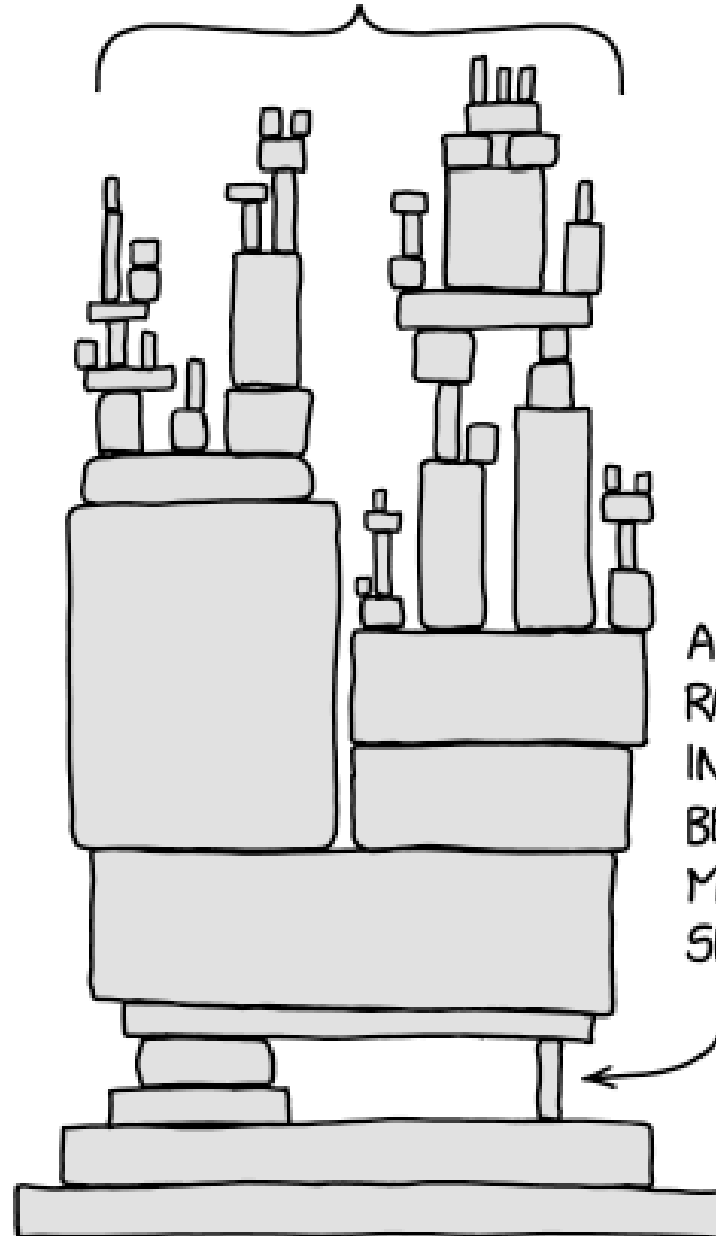
Potsdam, Juni 2025

CVE-2021-44228

LOG4 SHELL



ALL MODERN DIGITAL
INFRASTRUCTURE



A PROJECT SOME
RANDOM PERSON
IN NEBRASKA HAS
BEEN THANKLESSLY
MAINTAINING
SINCE 2003



Ian Tabor
@mintynet

...

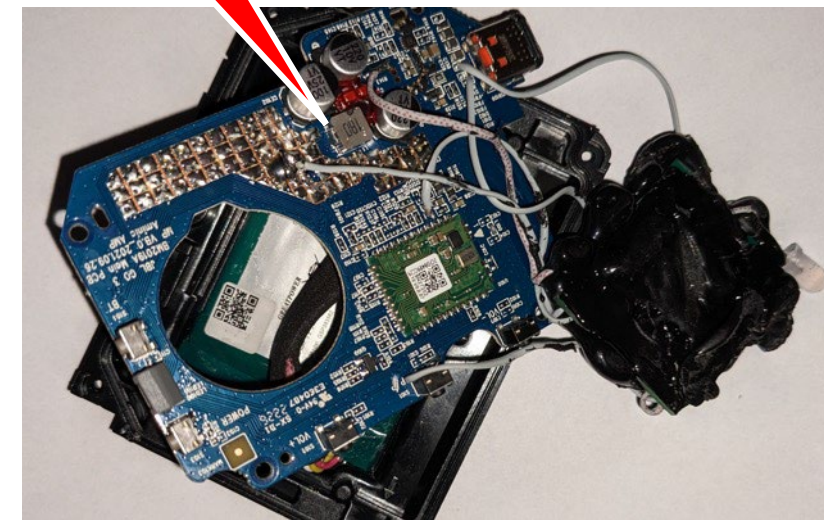
No fcuking point having a nice car these days, came out early to find the front bumper and arch trim pulled off and even worse the headlight wiring plug had been yanked out, if definitely wasn't an accident, kerb side and massive screwdriver mark. Breaks in the clips etc. C&#ts



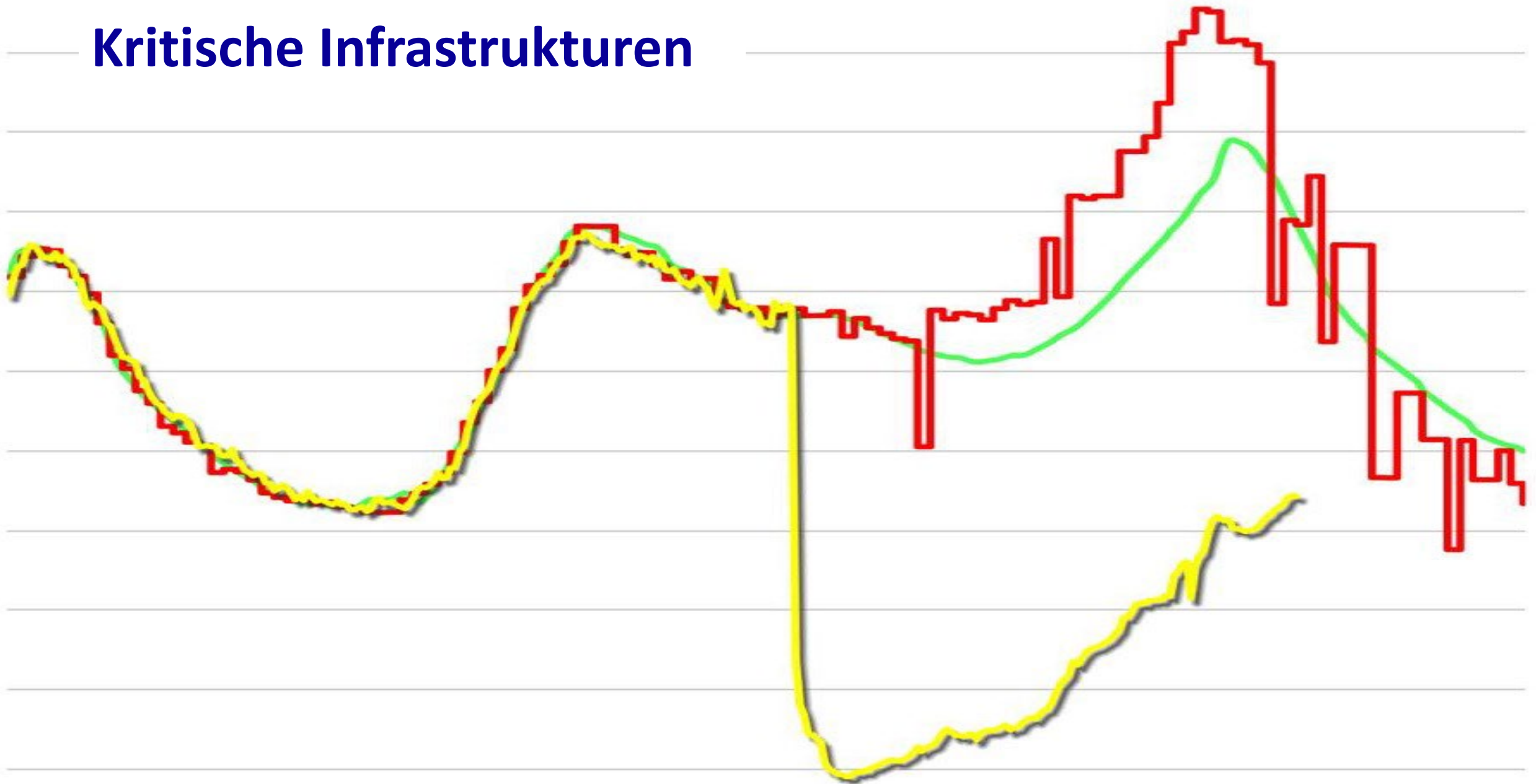
Angreifer öffnet
den Kotflügel ...

... öffnet die
Türen, startet den
Motor, und stiehlt
das Fahrzeug.

... verbindet sich
mit dem CAN-Bus



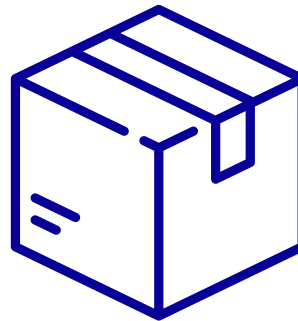
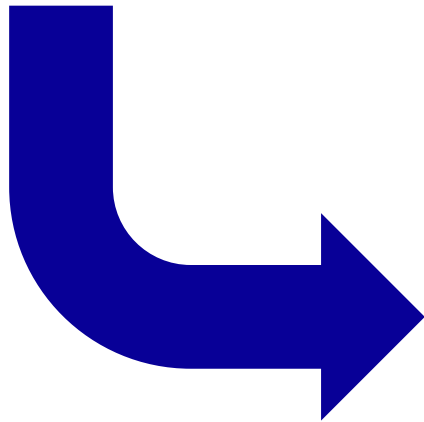
Kritische Infrastrukturen



CIA

CRA

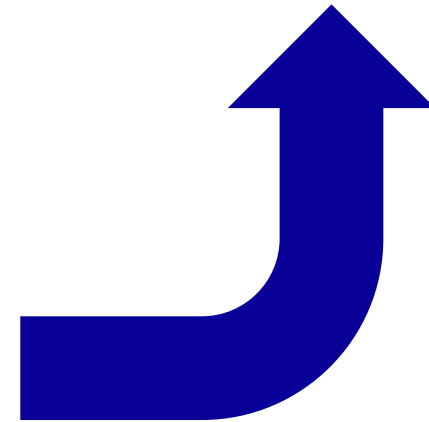
ProduktHersteller
Anforderungen an
das Produkt



Produkt

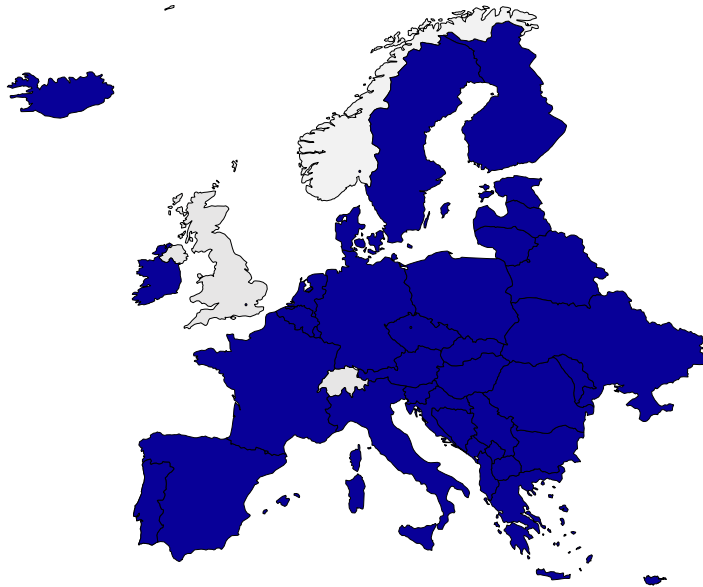
NIS2

Betreiber
Anforderungen an
dessen Verwendung



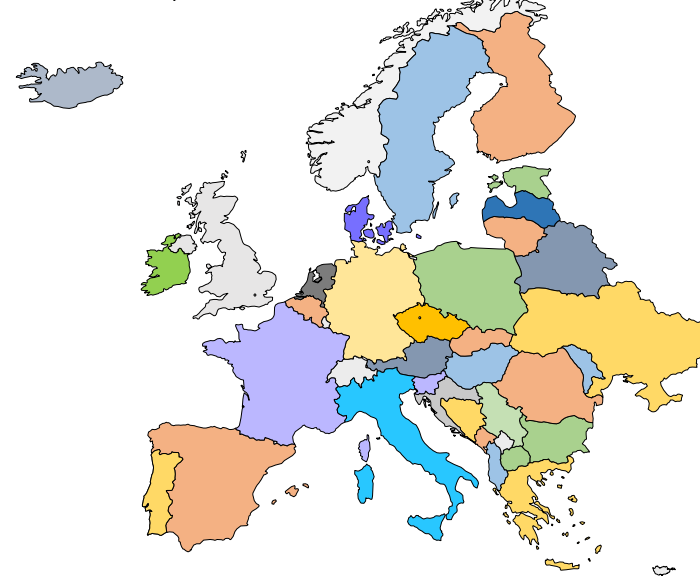
CRA

**Markt-Regulierung,
direkt wirksam**



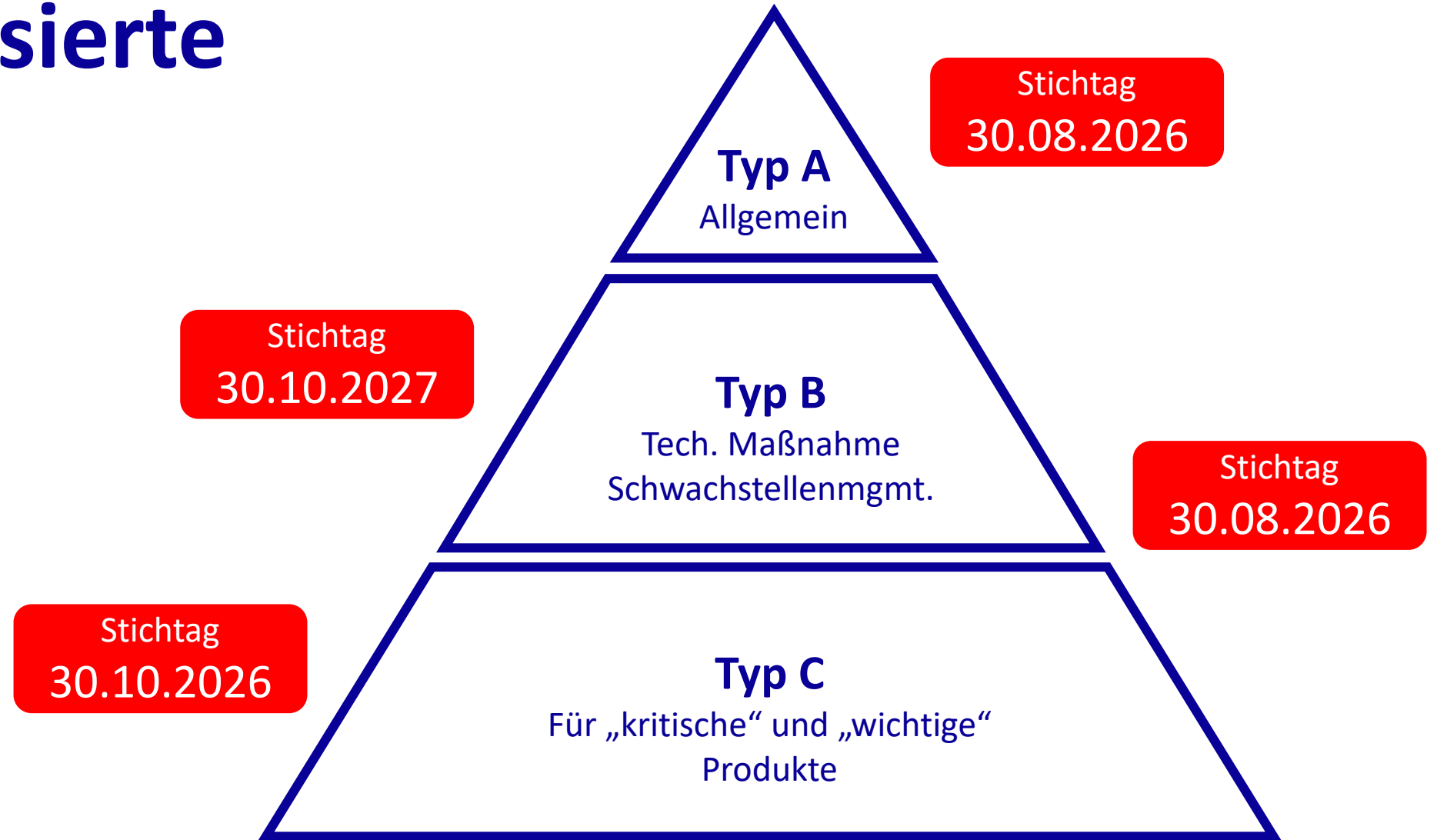
NIS2

**Umsetzung in nationales
Recht erforderlich**



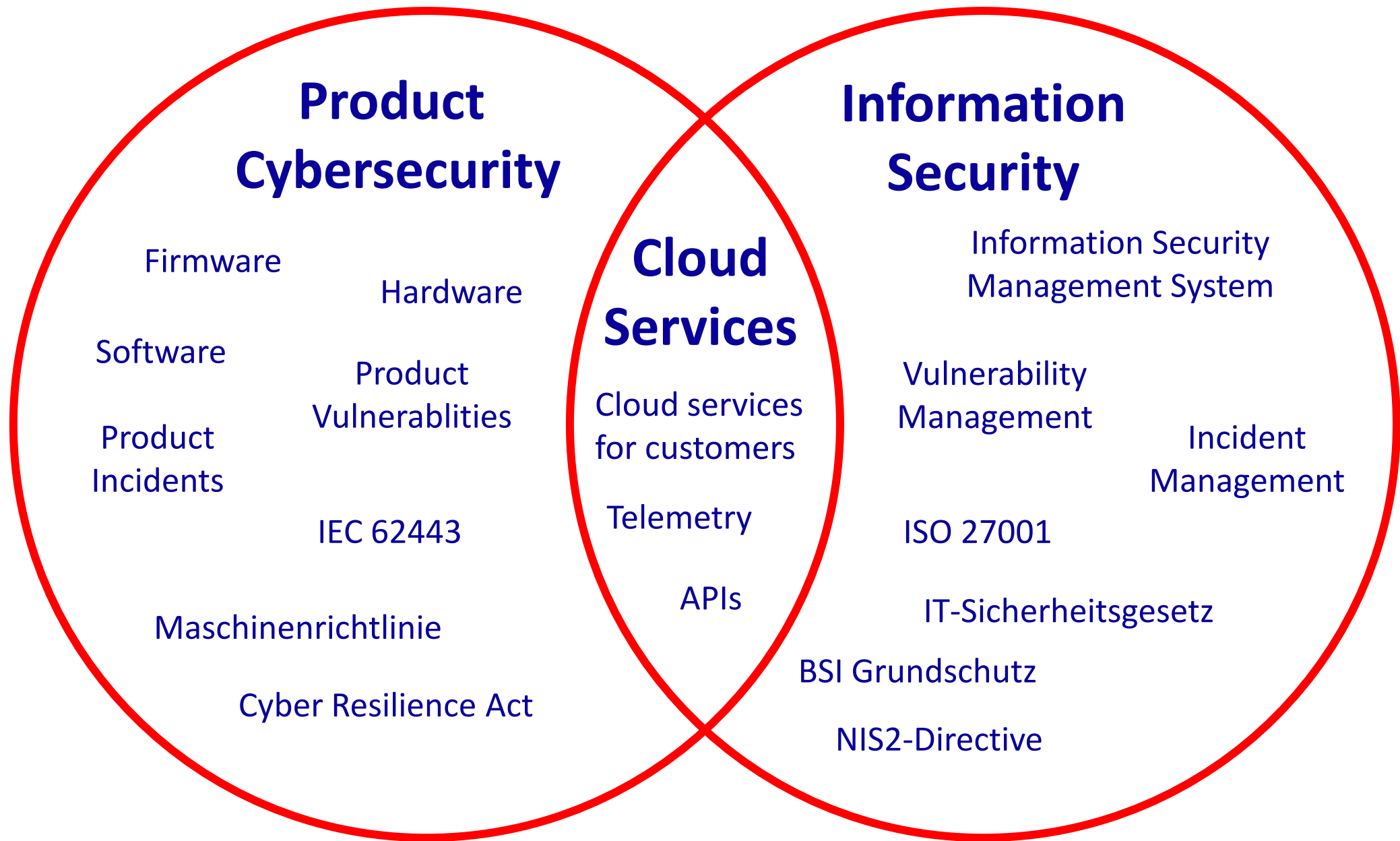
CE

Harmonisierte Normen





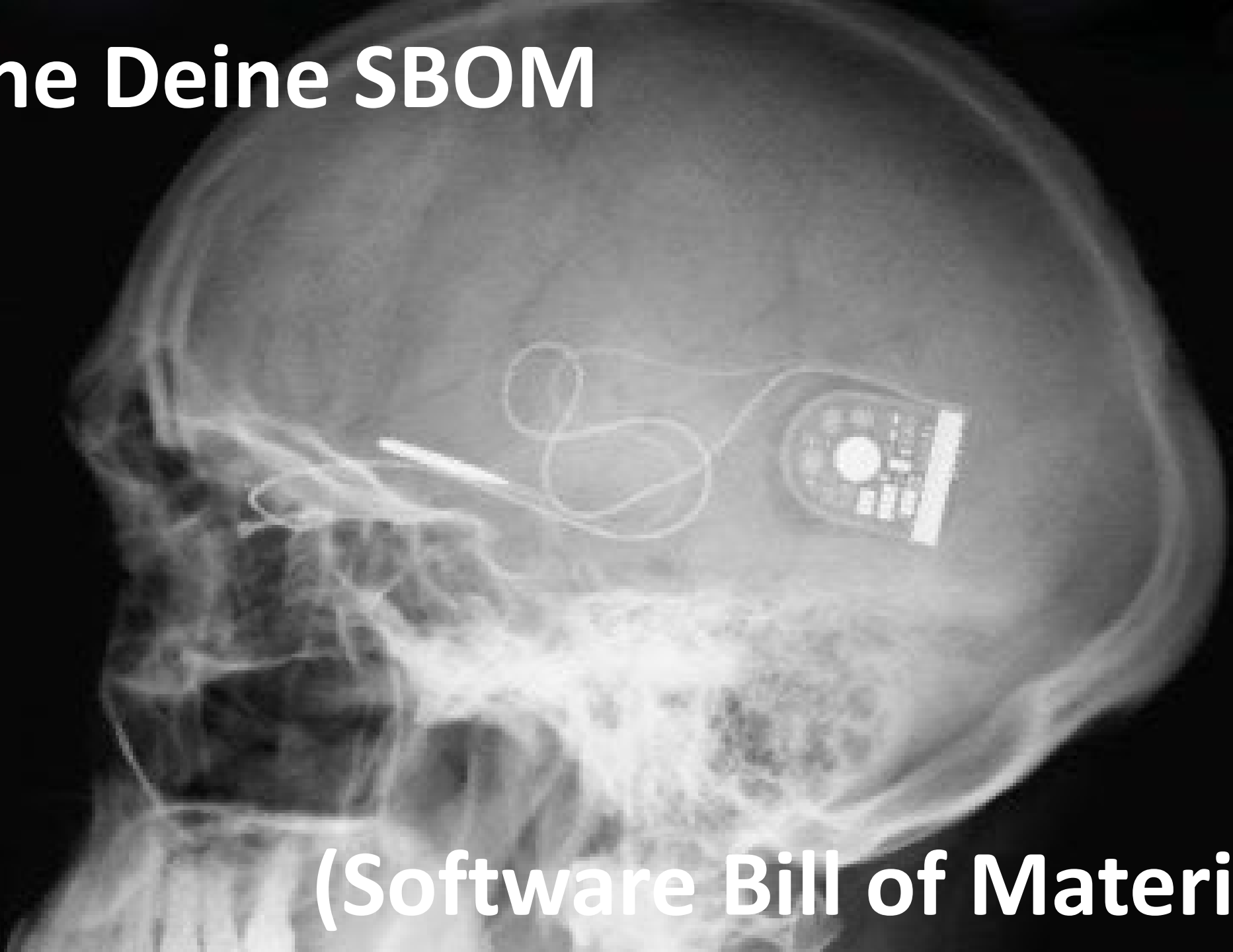
RED DA
EN
18031



A woman with blonde hair, wearing a white long-sleeved sweater and a white skirt, is seated in the driver's seat of a classic car. She is buckling a grey seatbelt. The car has brown leather upholstery and a black steering wheel. The text "Risiken? Welche Risiken?" is overlaid on the bottom right of the image.

Risiken? Welche Risiken?

Kenne Deine SBOM



(Software Bill of Materials)

Kenne Deine Lieferkette





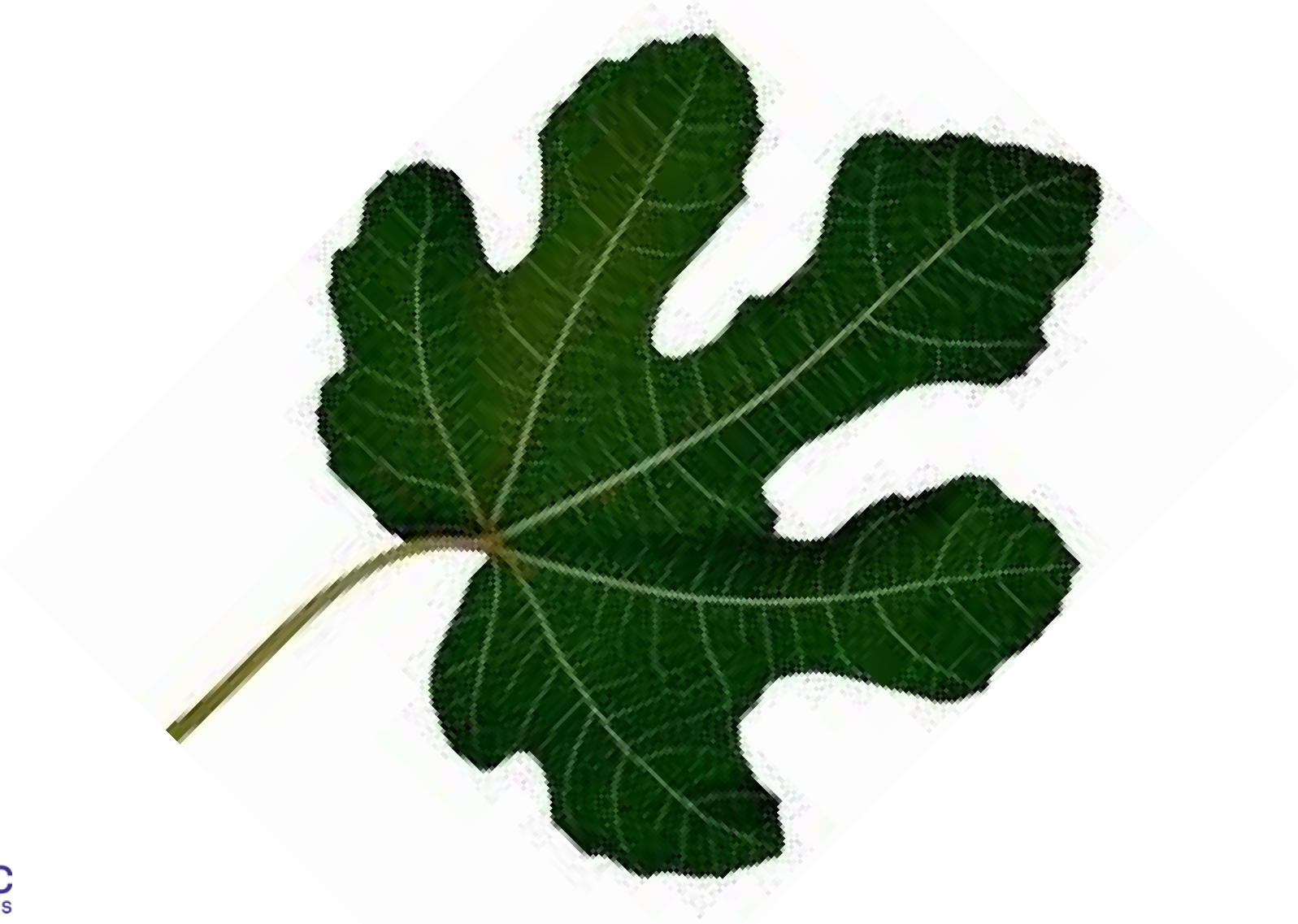
**Schwachstellen-Datenbanken
(Symbolbild)**

Ach, wenn die Software nur hard wär'!



(dann müsste man sie nämlich nicht patchen)

Responsible Disclosure

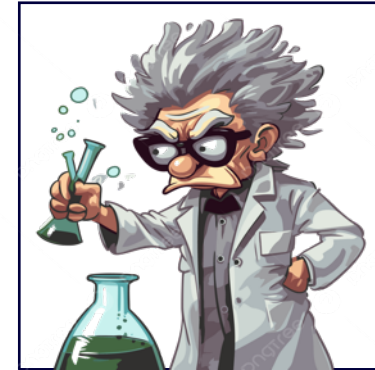
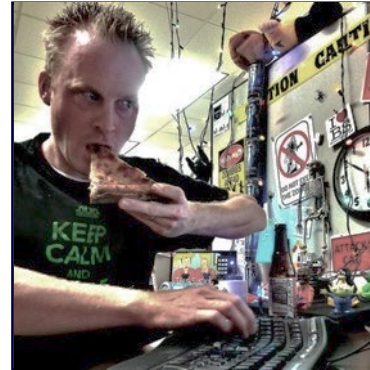


Anwälte

Entwickler

Ingenieure

**In den Augen von
Anwälten**



**In den Augen von
Entwicklern**



**In den Augen von
Ingenieuren**



Wer hat den Hut auf?



Hausaufgaben: 5 Themen zum Start

Responsible Disclosure Policy

Festlegung der Support Period

Bewertung von Produktrisiken

Schwachstellenmanagement und Reporting

Lieferkette mitdenken



**Und nicht vergessen:
Cybersicherheit ist Mannschaftsport!**

About Sydynamic Technologies

Experts in deep-tech solutions for cyber security



 **Founded for the implementation of the PatchPilot BMBF project**

- Funding for development of symbolic AI under “StartUp SECURE”
- Automation of vulnerability management processes based on knowledge graphs
- Technology is now in use in the financial services sector as CQgraff



 **Awarded EU grant from ELISE for AI development**

- Grant to specifically train a language model for cyber security
- Automated processing of vulnerability / incident reports using a LLM
- Technology integrated in the CQgraff platform



 **Won DISTR@L grant for CQgraff development**

- Funding for development of innovative technology, focus on customers from critical infrastructures
- Grant for the development of knowledge graph technology to automate vulnerability and risk management



digitales.hessen
DISTR@L



**startup
secure**
ATHENE



elise
European Network of AI Excellence Centres

Meet the team

We are Cyber Security Enthusiasts with a deep industry experience



Dr. Sven Niedner

- Cyber Security Expert
- 20+ years experience as CIO/CTO in the industry, IT Security consultant, Senior Manager in a global corporation, and Founder
- University lecturer (IT Security)
- Fun fact: Competitor at famous Blackpool dance festival



Peter Bruhn

- Leader and manager with 20+ years experience in a global corporation, a family-equity company, top management consulting
- Founder and Business Angel
- University lecturer (IT management)
- Fun fact: World champion in information processing



Jyoti Rawat

- Senior Data Scientist
- Focus on Natural Language Processing, Knowledge Graphs and Machine Learning
- Developed AI solutions in various industry sectors
- Expert for Cyber Security Taxonomies
- Fun fact: National league player in Cricket

