

The Netherlands perspective on Cyber Security.

In the era of emerging threats and EU directives,
how to deal with it in public private partnerships.

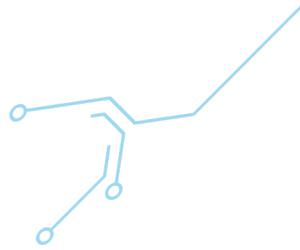
CyberSec 2024 Taiwan
Joris den Bruinen
General Director The Hague Security Delta Foundation



Together we Secure the Future

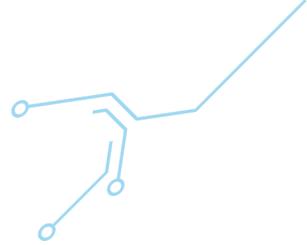


Source: diverse media/instagram



Content table – Netherlands&EU and Cyber Security

- 1) **Cyber threat developments**
- 2) The Dutch&EU answer:
 - ✓ **Cyber Strategies:** government bodies and actions
 - ✓ **Legislation**
- 3) Taking action, building **public private partnerships**
 - ✓ Security Delta (HSD)
- 4) The example of HSD's setting up **sectoral cyber resilience centers**
- 5) **International alignment** The Netherlands&Taiwan



1. Context of growing cyber threats: 2020



Top cyber incidents in The Netherlands: gamechangers

1. Mearsk – APM terminals: downtime in 1/3 of harbour of Rotterdam
2. ASML attack/insider threat: possible loss of knowledge/IP
3. Ransomware attack VDL (family owned manufacturing company)
4. Log4j software vulnerability: with all its consequences
5. Bakker Logistics attack: chain consequence (-> help: no cheese!)

2024: Expect the unexpected

(source: Cyber Security Assessment The Netherlands NCTV 2023)

Geopolitical hardening increases the risk (stated related attacks)

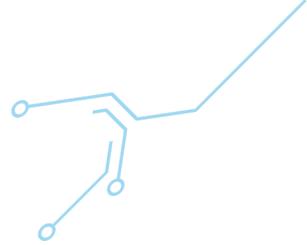
- Ukraine-Russian war, Gaza and China USA Taiwan tensions

Attractive criminal business model; growing cyber security threats

- Ransomware payments in 2023 surpassed the \$1 billion mark, the highest number ever observed
- In 2023 annual ransomware attacks worldwide increased by 84% compared to 2022. Will triple towards 2030

New (technological) threats

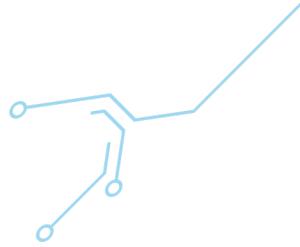
- Increase of the attack surface (chains) and possible IT/OT vulnerabilities: 80 a day
- For example Gen AI creates new malware and better phising and social engineering methods



Context of growing cyber threats: 2030

TOP 10 EMERGING CYBER-SECURITY THREATS FOR 2030



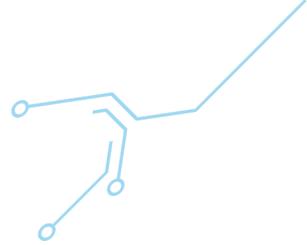


2. Cyber Strategies: government bodies

National Cyber Security Center (NCSC):
focus ministeries and critical infrastructure

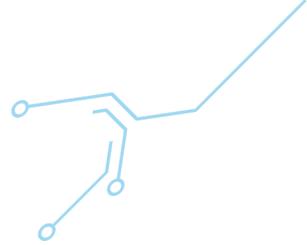
Digital Trust Center (DTC): focus SME's
and sectoral chains initiatives

European Network & Information Security
Agency (ENISA)



Cyber strategies: actions

- 1) Public policies
- 2) Public Private Partnership: ISACs
- 3) Awareness campaigns
- 4) Responsibility paradox



The answer of legislation: EU Digital Decade Strategy

Strategy for data:

- Data Act
- Data governance act
- Regulation on the free flow of non personal data
- e-Evidence Regulation

Digital Privacy:

- GDPR
- e-Privacy Regulation

Digital Services Package:

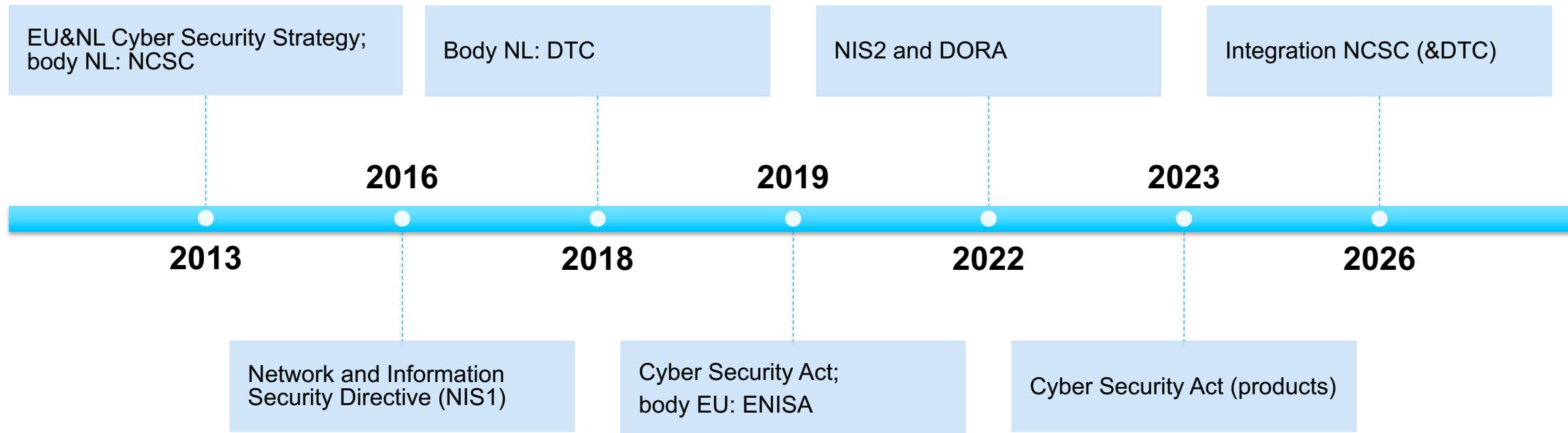
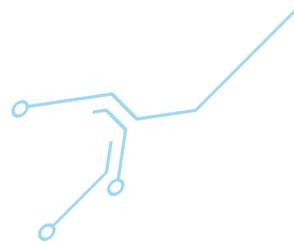
- Digital Services Act
- Digital Markets Act

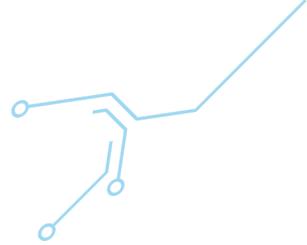
AI Strategy:

- AI Regulation
- Product Liability Directive
- Machinery Regulation

New EU/NLs legislation

Milestones in the evolution of EU CyberSecurity law



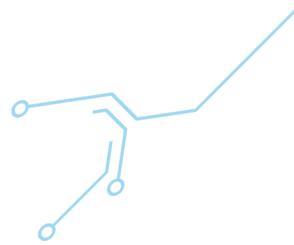


EU Digital Decade Strategy

Cyber Security Strategy:

- Security of Network and Information Systems Directive (NIS2)
- Digital Operational Resilience for the Financial Sector (DORA)
- Cyber Security Act (CSA)
- Cyber Resilience Act (CRA)

Underlying principle of cyber regulations = risk management



Understanding:

- Threats & vulnerabilities
- Organisational goals
- Crown jewels
- Impact (IT & OT and business)
- Confidentiality, integrity and availability

Proof working on:

- Cyber Hygiene
-> technical, proces, people
- Incident response and Resilience
- Board responsibility
- Raise cyber security maturity level
- by Plan Do Act Evaluate ->
planning&control cycli

3. Building private public partnership & creating an eco-system

Integrated Approach to (Cyber) Security

Triple Helix Cooperation

Knowledge Development & circulation

International Business Pipelines and Alignments

High Profile Innovation Projects

Attract Leader Firms (Role Models) & Events

Capital for growth

Attractive Business Climate

Human Capital Development

Local Buzz and Meeting Space/ Campus

A large, diverse crowd of people is gathered at an event, many of whom are holding up small cards or signs. The cards are primarily yellow with a circular logo containing the number '10' and the text 'YEARS'. Some cards also feature the text 'SECURITY DELTA' and 'SECURITY DELTA - SECURITY IN THE DIGITISING SOCIETY'. The crowd is diverse in age and attire, suggesting a professional networking or celebratory event.

Security Delta (HSD)

- The Dutch Security Cluster
- Community with 300+ businesses, governments & knowledge institutions
- Non-profit organisation, founded in 2013
- HSD Campus in The Hague

Our mission

*“We want to make a difference in making
our digitising world more secure and
contribute to economic growth “*

Together we Secure the Future

300+ partners: business, government, knowledge & education



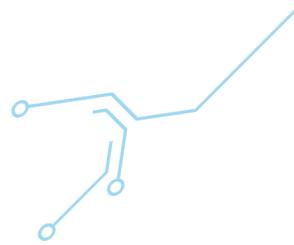


HSD Office

- Supports community of the Dutch security cluster
- Accelerates collaboration, knowledge sharing & innovation
- Independent organisation

Value for partners

Access to knowledge, innovation, market, capital, talent



Enhance **knowledge** of Dutch organisations about 'security in a digitising world'



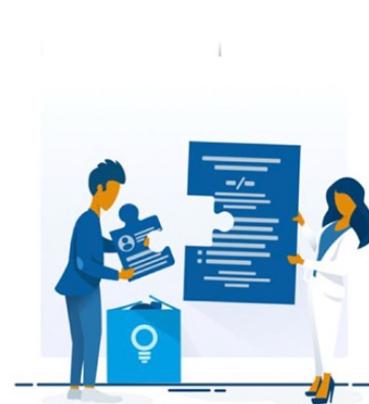
Build powerful collaborations leading to valorisation and sustainable security **innovations**.



Help organisations make new connections and enter the (inter) national **market** to scale up innovations.



Help organisations arrange **funding** for security solutions and capital for growth.



Contribute to solving the mismatch between supply and demand of security **talent**.



HSD Campus

- Central hub and physical meeting place of Security Delta
- Meeting space, living labs, training facilities, offices
- Networking, knowledge exchange and business opportunities
- Located in The Hague, internatiol city of Peace, Justice & Security

Focus areas



**Cyber Security
& Resilience**



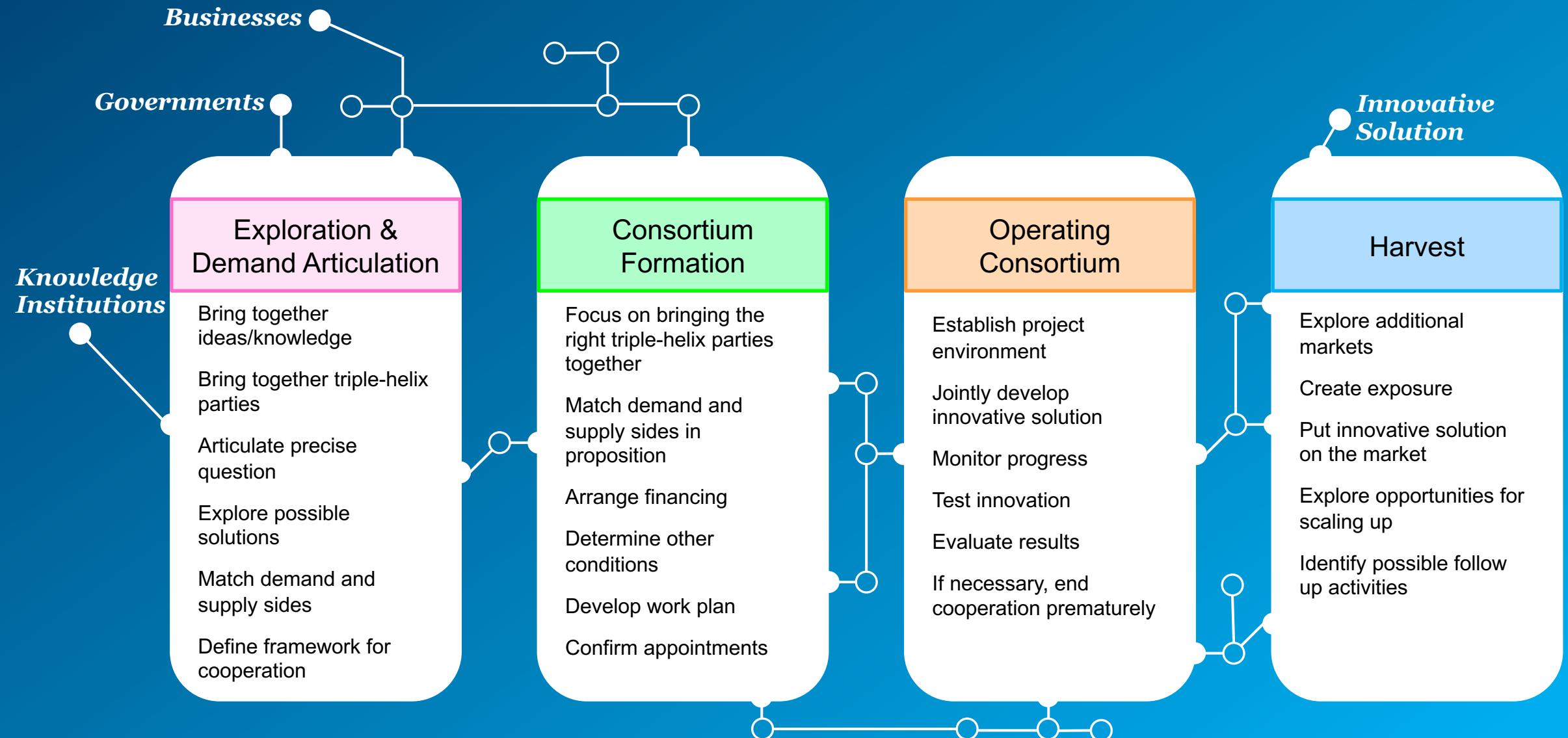
**Data &
AI / Intel**



**Smart Secure
Societies**

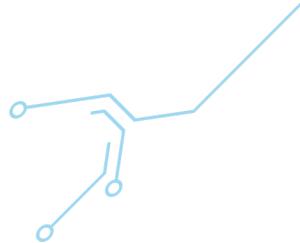
HSD
securitydelta.nl

HSD Innovation method

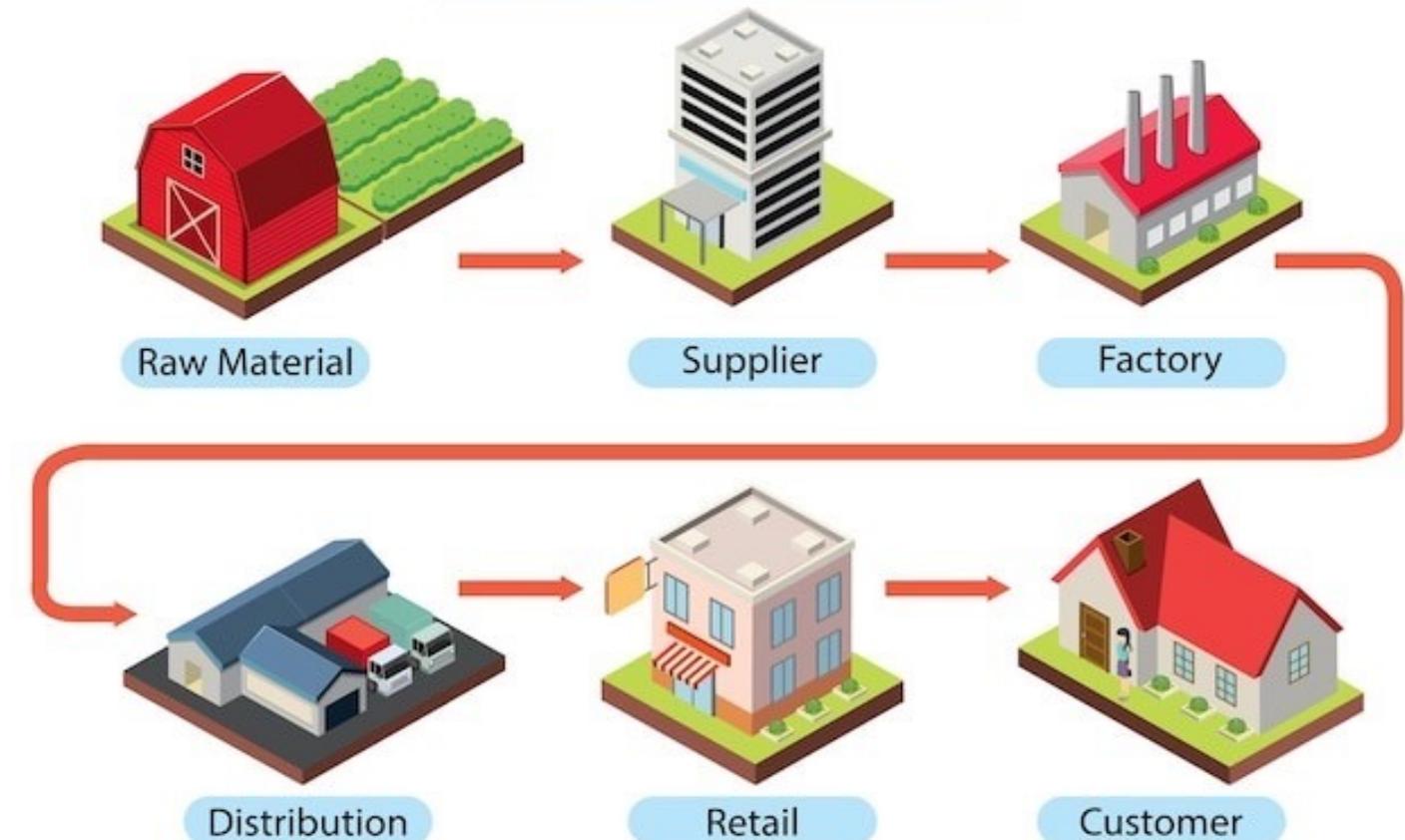


4. The example of HSD sectoral approach: Cyber resilience centers, lessons learned





Supply Chain



Learning 1:

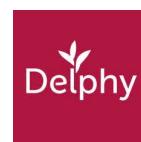
**If you want to go fast go alone,
if you want to go far go together.**



Cyber Weerbaarheidscentrum Greenport



Royal
Flora
Holland



Delphy



Goetenfuhuis



Dutch
Fresh
Port



GREENPORT
West-Holland



Interpolis



Anthura®
unlimited in varieties



hoogendoorn
growth management



HSD
securitydelta.nl



Glastuinbouw
Nederland



DE HAAGSE
HOOGESCHOOL

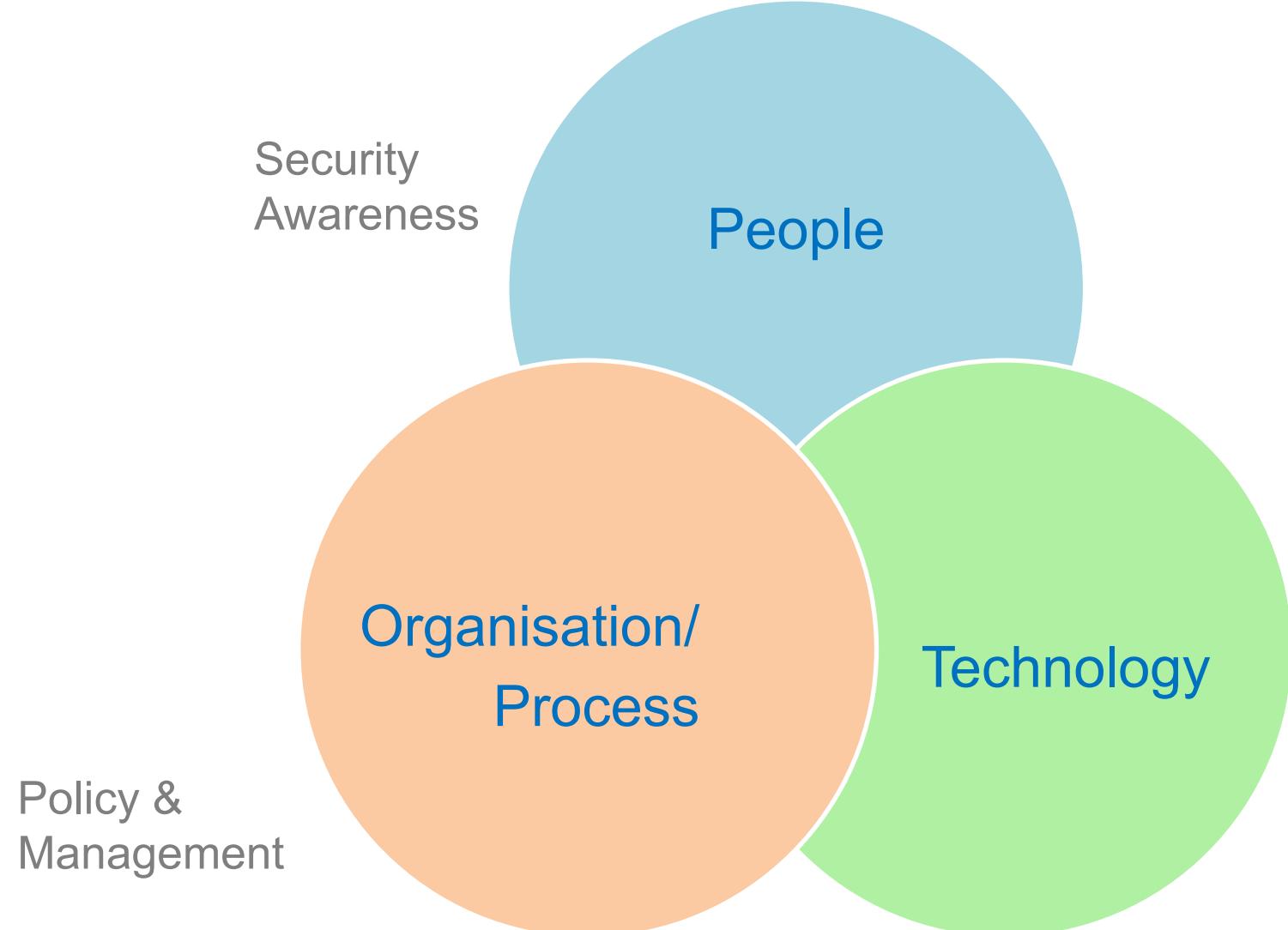
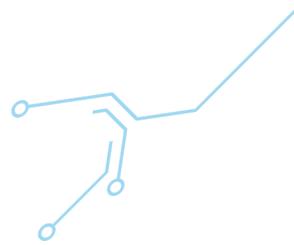


Provincie
Zuid-Holland

digital trust
center.

Learning 2:

Cybersecurity is more than IT

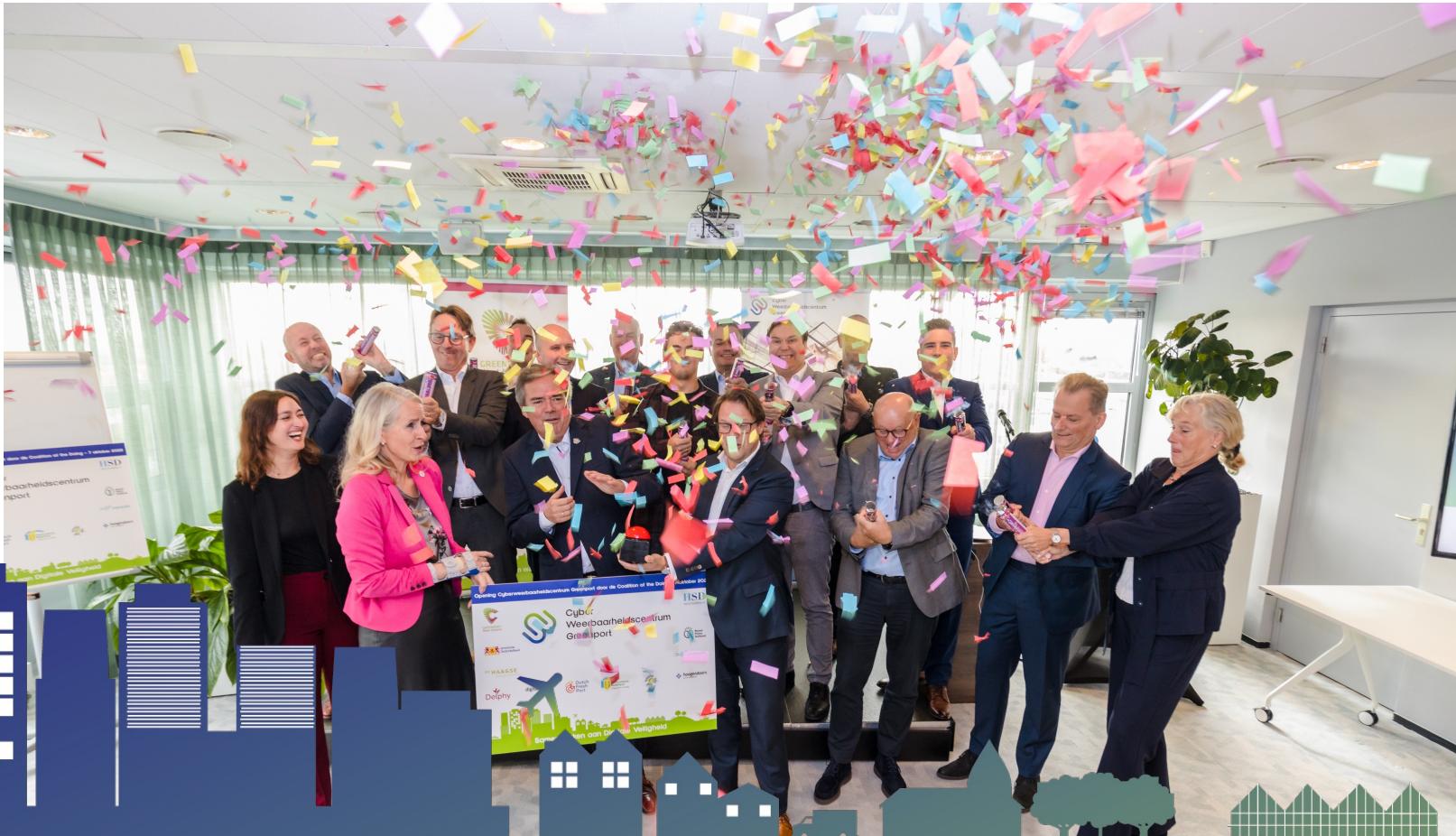
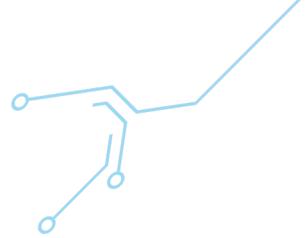


Learning 3:

**Digitization should be safe, otherwise
risks will be too hard to manage.**



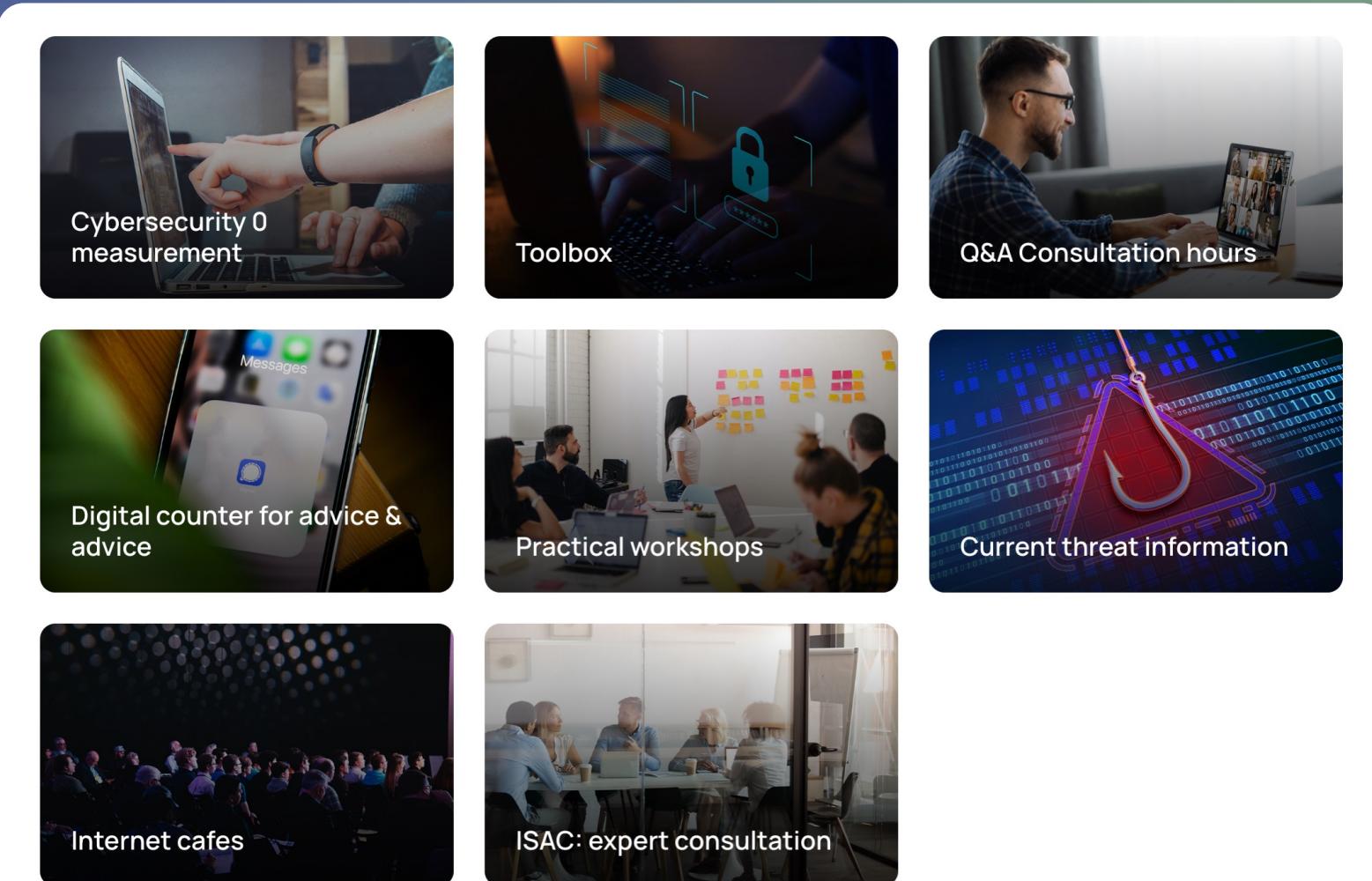
Cyber Weerbaarheidscentrum Greenport



Activities focused on:

1. Creating awareness

2. Enhance digital security



www.cwgreenport.nl



Cyber
Weerbaarheidscentrum
Greenport





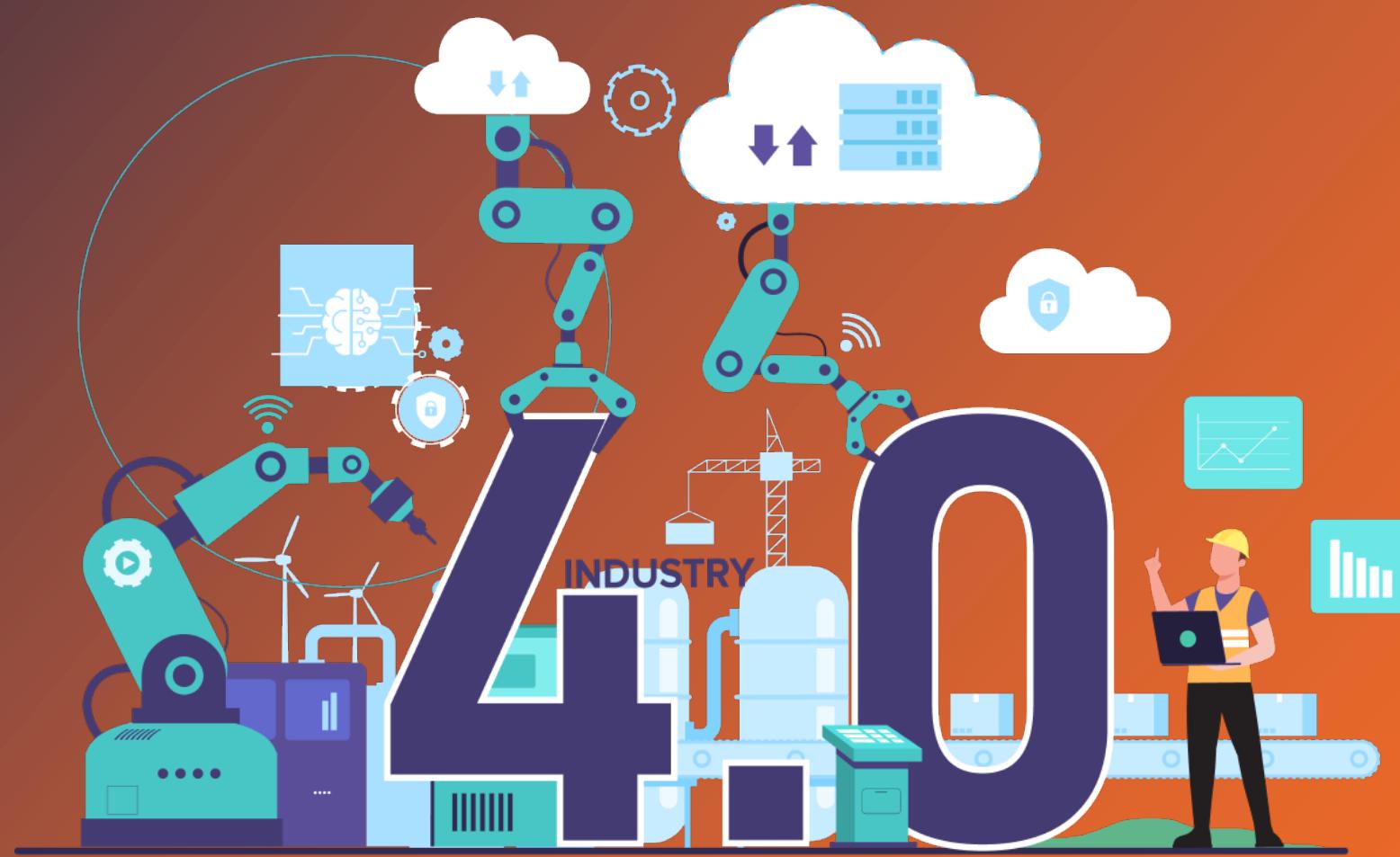
Cyber
Weerbaarheidscentrum
Maakindustrie Zuid-Holland

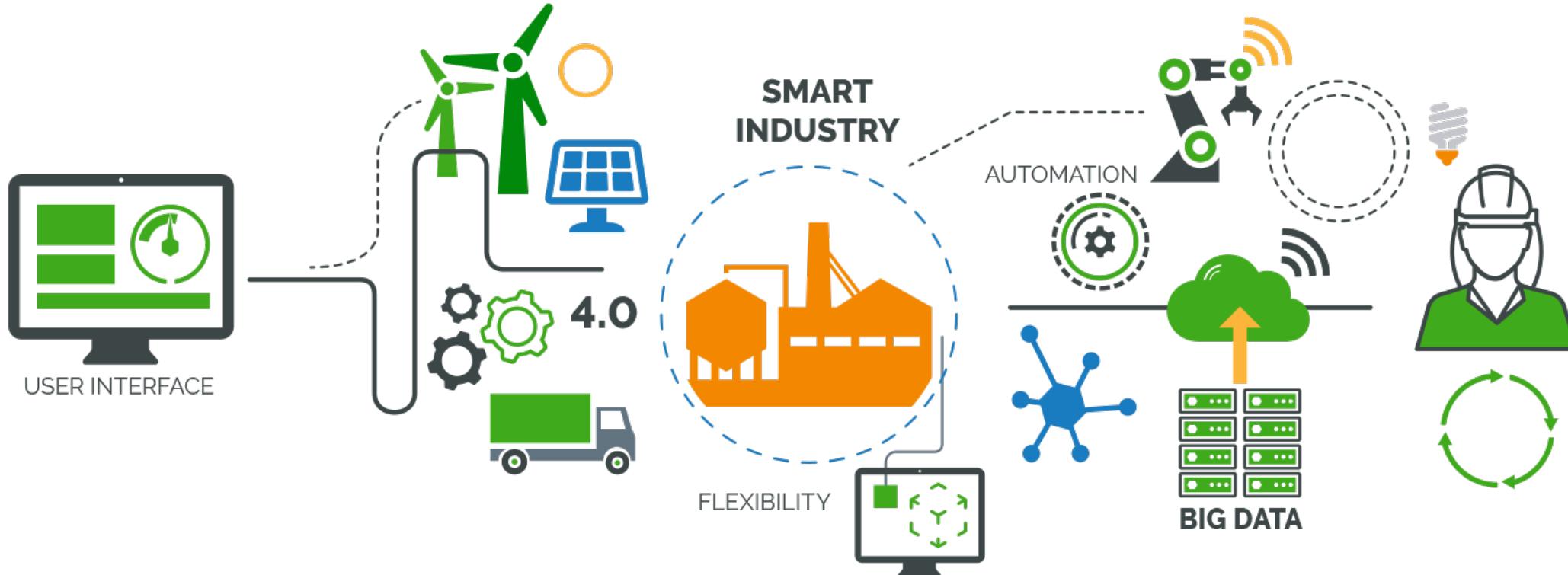
Initiators:



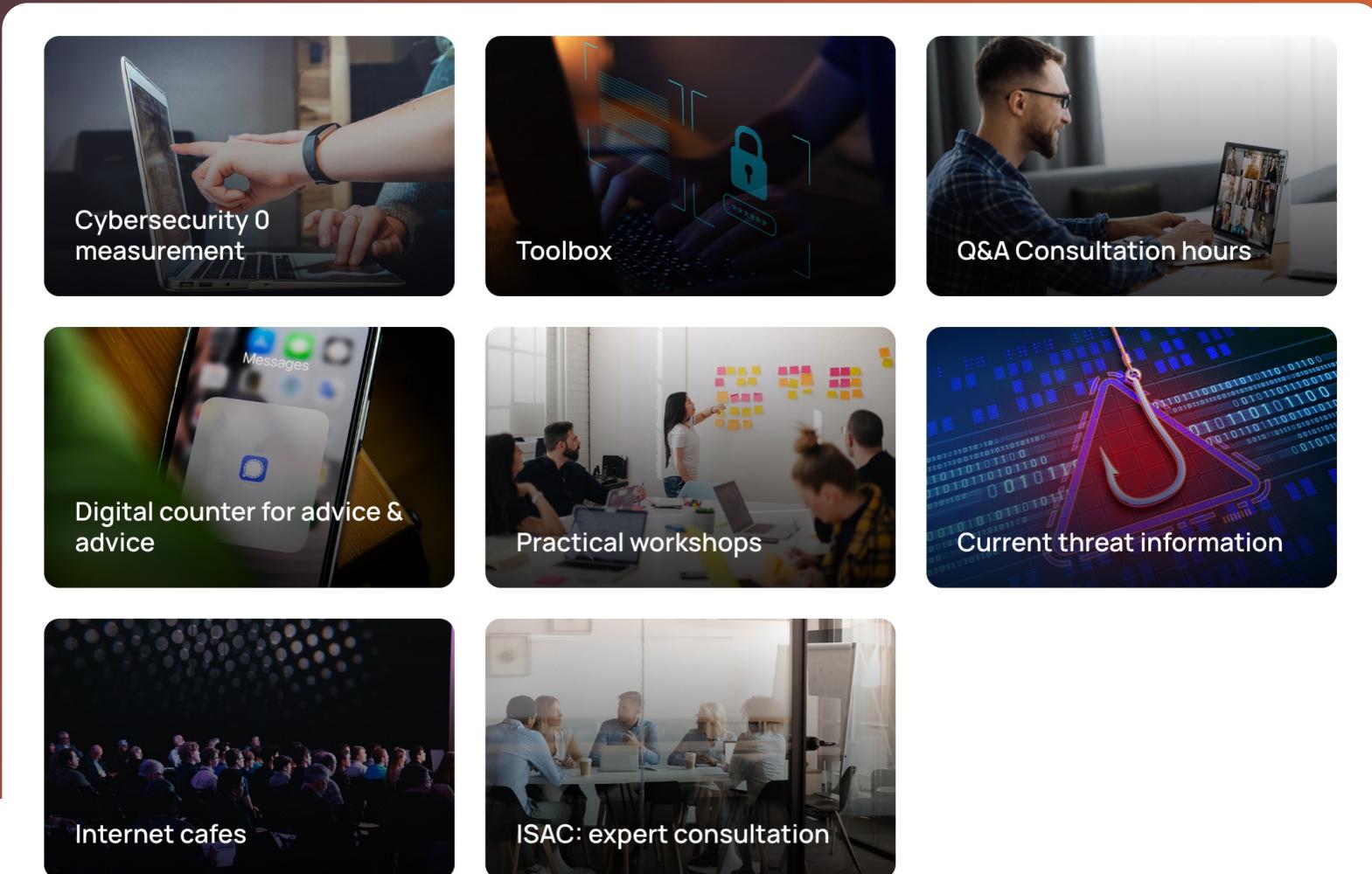
In collaboration with:





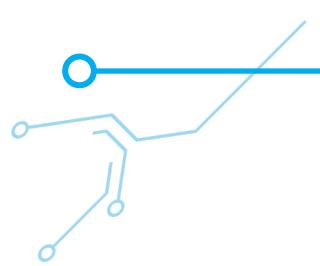






www.CWMaakindustrie.nl

LSH next sector



5. International knowledge bridges and business alignments

Mutual beneficial - Taiwan and The Netherlands

- Two times Taiwanese delegation to The Netherlands Cyber Security Week/ONE Conference
- Alignments with and between MODA, ITRI and HSD; knowledge exchange
- Help of representative offices in Taipei and The Hague
- Now Dutch delegation in Taiwan: EclecticIQ and ReaQta (an IBM company) - partnerships

Invest in Holland programme

Softlanding of cyber security companies

- The Netherlands: Secure Digital Gateway to Europe
Examples: Lanner, TX-ONE and Lydec&Keypasco:
 - In collaboration with NFIA/InnovationQuarter
 - <https://www.investinrotterdamthehaguearea.org>
 - <https://investinholland.com/news/decrypting-cybersecurity-in-the-netherlands/>





Always looking for new opportunities!
Hope to see you in The Hague:
Sept. 30 until Oct. 6 2024 www.cybersecurityweek.nl

HSD
securitydelta.nl

www.securitydelta.nl
@HSD_NL



**Thank you for
your attention**

Joris den Bruinen
Security Delta (HSD)
joris.denbruinen@securitydelta.nl |