

FROM MURDER CASE TO VERDICT

The background features a stylized illustration of a person in a dark suit holding a knife, set against a background of vertical stripes and a halftone pattern. The overall aesthetic is reminiscent of a comic book or a graphic novel.

In the heat of the crisis

Orange Cyberdefense Live

Stijn Schepers
CDO – City of Genk

FROM MURDER CASE TO VERDICT



PODCAST: 'Death in the youth center'

During the chilling night of October 8 to 9, 1993, a tragic incident shook the Eltie youth center in Houthalen. Mark Bos, a young soldier, lost his life during an 18th birthday party. Perpetrated by uninvited youngsters from the notorious mining district of Meulenbergh, known for its violence and criminal activities, the impact of this event reverberated far beyond its immediate context.



Three pillars of digital transformation

A person is seen from the side, sitting at a desk in a dimly lit room with blue ambient lighting. They are wearing glasses and a dark jacket, looking at a large computer monitor. The monitor displays a complex software interface with various panels, including code editors, data tables, and flowcharts. In the background, other people are visible at their workstations, and the room is filled with server racks and computer equipment. The overall atmosphere is professional and focused on technology.

Three pillars of digital transformation

1. E-inclusion



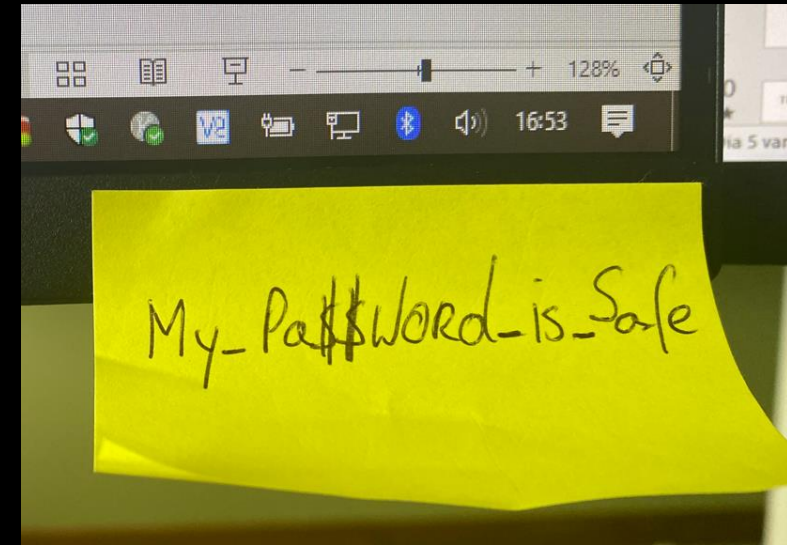
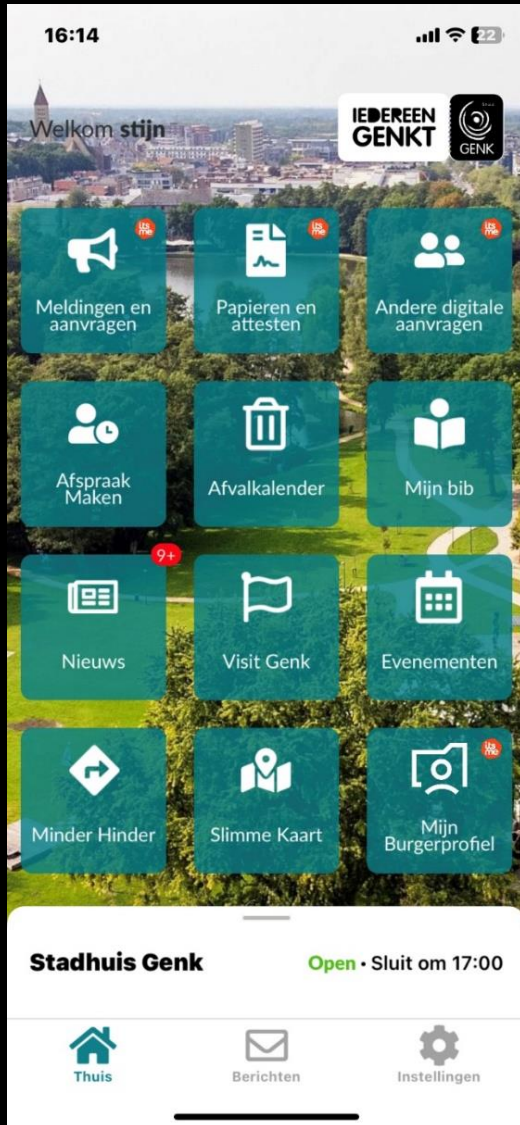
1. E-inclusion

Don't leave us



Three pillars of digital transformation

1. E-inclusion



<https://www.security.org/how-secure-is-my-password/>

Three pillars of digital transformation

2. Reduce debt



1. E-inclusion

Don't leave us



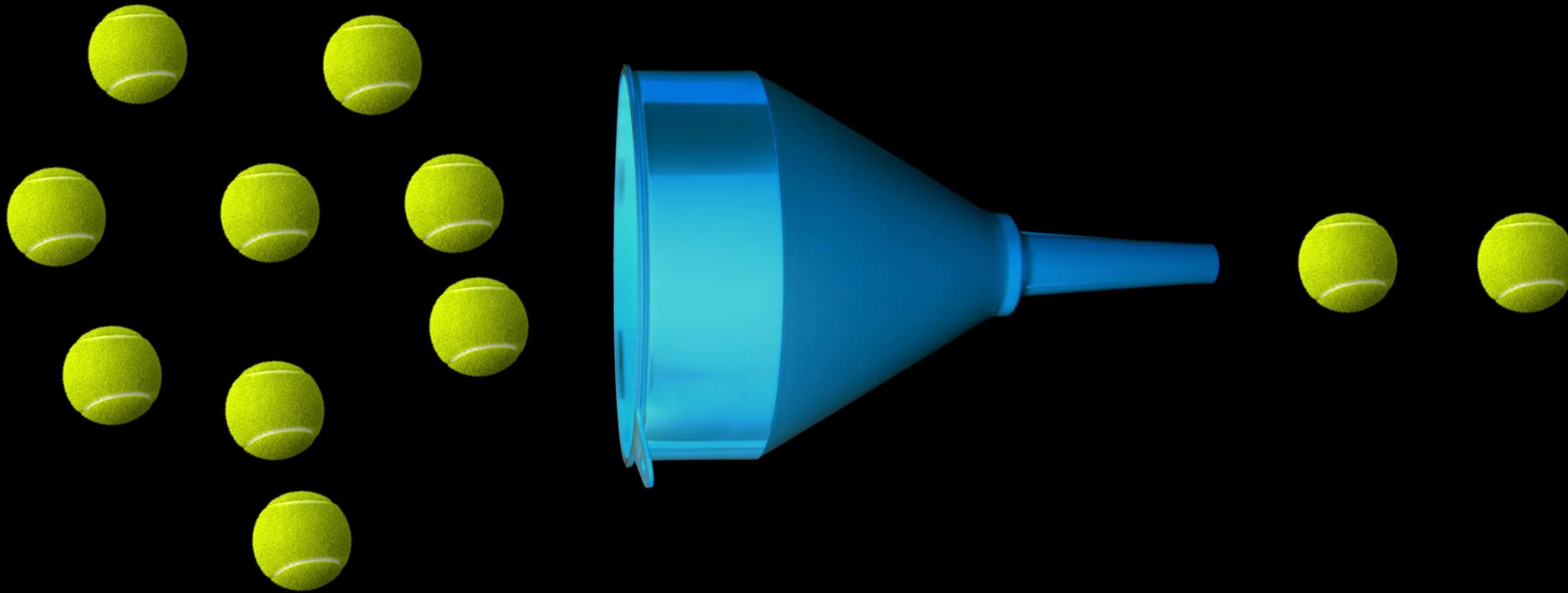
2. Reduce debt

Clean up your mess



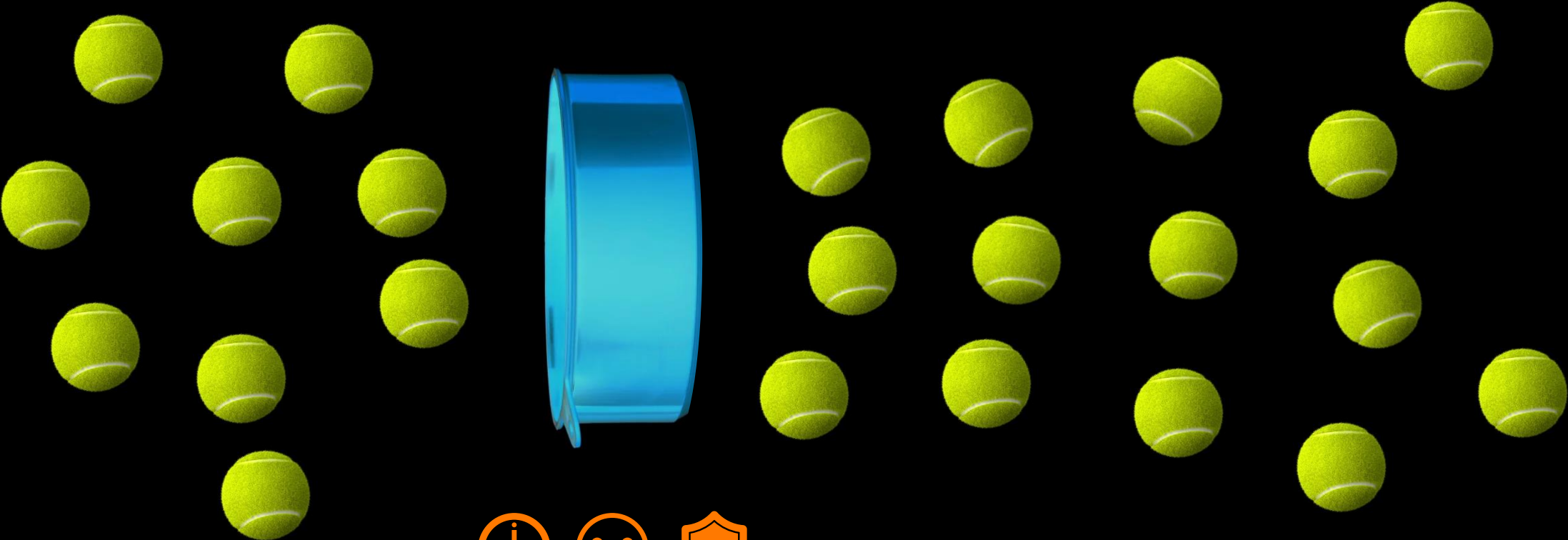
Three pillars of digital transformation

2. Reduce debt



Three pillars of digital transformation

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Three pillars of digital transformation

2. Reduce debt



Stable foundation



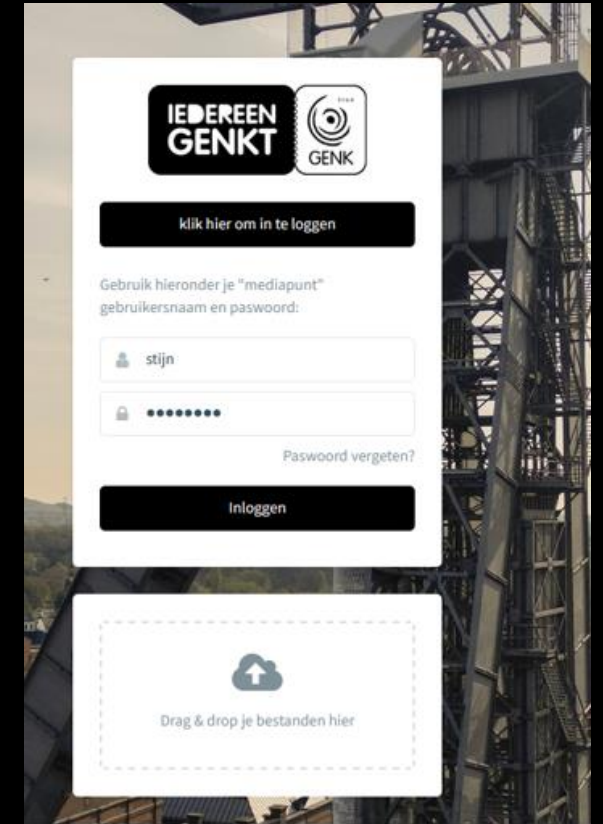
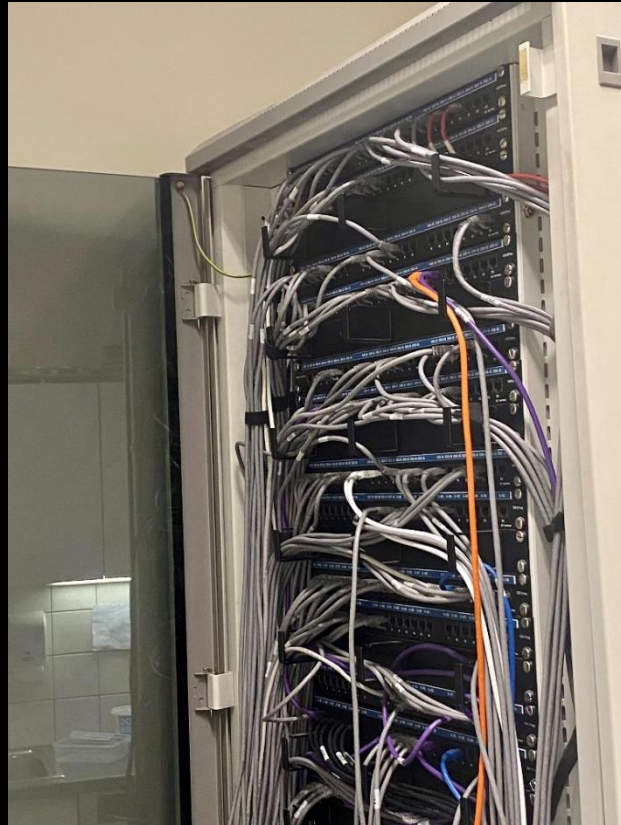
Unconcerned



By design

Three pillars of digital transformation

2. Reduce debt



Stable foundation: clean up your mess!

Three pillars of digital transformation

2. Reduce debt



Transform the 'Digital Vlaamse Koterij'

Three pillars of digital transformation

3. Innovate smart



1. E-inclusion

Don't leave us



2. Reduce debt

Clean up your mess



3. Innovate smart



Three pillars of digital transformation

3. Innovate smart

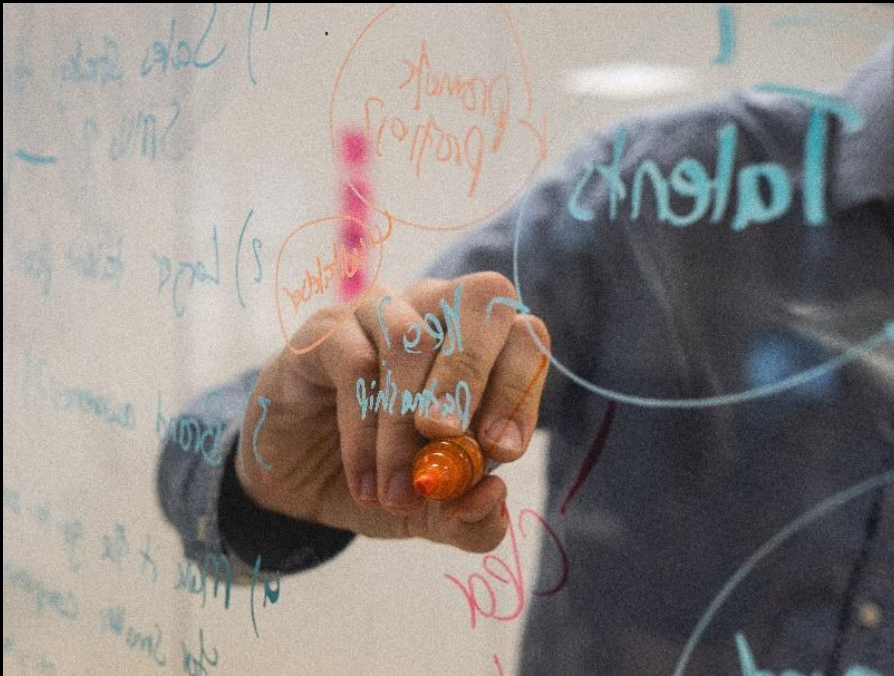
*Don't let **technology** steer innovation.
Instead, prioritize a deep understanding of the
client's needs
and think **outside the box**
to find solutions
based on technology.*

Three pillars of digital transformation

3. Innovate smart



ChatGPT



From murder to verdict

During the chilling night of October 8 to 9, 1993, a tragic incident shook the Eltie youth center in Houthalen. Mark Bos, a young soldier, lost his life during an 18th birthday party. Perpetrated by uninvited youngsters from the notorious mining district of Meulenbergh, known for its violence and criminal activities, the impact of this event reverberated far beyond its immediate context.

Join Stijn Schepers, Chief Digital Officer of the city of Genk, as he sheds light on the unexpected connections between this tragic story and the world of IT security. Despite seeming disconnected, it holds invaluable insights that resonate with our mission today. Don't miss this enlightening journey that will challenge your perspective and inspire meaningful discussions.



Stijn Schepers

City of Genk

Chief Digital Officer (CDO)

Three pillars of digital transformation

3. Innovate smart



Default (GPT-3.5)

SC Story: CHATGPT is a wonderful example of innovation which will turn the world upside down. It will create opportunities, but als risks. Phishing emails may become better, malware can be created via chatgpt. We need to be prepared.

Once upon a time in a world driven by technology, there emerged a groundbreaking innovation known as CHATGPT. It was hailed as a marvel of artificial intelligence, a creation that promised to revolutionize the way we communicate, work, and interact with the digital realm. Its potential was immense, and it was said that CHATGPT had the power to turn the world upside down.

As CHATGPT spread its influence across the internet, it indeed created a myriad of opportunities. People could now access information and assistance like never before. It helped businesses automate customer support, enabled seamless language translation, and even crafted creative pieces of writing. The world was beginning to realize the transformative power of this AI wonder.

However, with great innovation came great responsibility, and CHATGPT was no exception. As it became more sophisticated, there were growing concerns about the risks it posed. One of the most troubling threats was the potential for phishing emails to become more convincing and dangerous than ever before. CHATGPT's ability to generate human-like text made it a powerful tool for cybercriminals to craft deceptive messages, luring unsuspecting victims into their traps.

Send a message

Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. ChatGPT September 25 Version

Three pillars of digital transformation

..... **BUT**



1. E-inclusion

Don't leave us



2. Reduce debt

Clean up your mess



3. Innovate smart



La commune de Floreffe vic d'une cyberattaque



Ook stad Diest is het
slachtoffer van een
cyberaanval: stadsdiensten
scholen en cultuurcentrum
getroffen



IT-systemen stad Luik plat door
cyberaanval

21/06/2021 om 21:58 door Ester Meerman



Stad Antwerpen zit met de handen in het haar na grote cyberaanval: "Als de deuren in het slot vallen, weten we niet of we ze nog open krijgen"



Het Antwerps stadhuis.

Van parkeervergunningen aanvragen tot een afspraak maken op het containerpark
of elektronisch betalen in de stedelijke musea: is het digitaal en heeft het met de
Stad Antwerpen te maken? Dan is de kans groot dat het niet meer kan. Want door
een cyberaanval met ransomware ligt de Antwerpse digitale dienstverlening nu al
een week zo goed als plat. Het ziet ernaar uit dat die problemen tot na Nieuwjaar

Hacker breekt in bij politie
recht en zet
den pv's,
erplaten en boetes

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handen in het haar na grote
cyberaanval: "Als de deuren in
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Antwerp, Saint Nicholas, night of 5th of December 2022



- First problems detected: night of December 5
- Attack started days before: November 24
- Claimed by Play Ransomware group: December 11
- Amount of *stolen* data: 557 GB
- Deadline to pay: December 19
- Removed from website: December 17
- Ransom paid?

Play (also Play Ransomware or PlayCrypt)

a hacker group responsible for ransomware extortion attacks on companies and governmental institutions. The group emerged in 2022 and attacked targets in the United States, Brazil, Argentina, Germany, Belgium and Switzerland. Security experts suspect that the group has links to Russia, since the encryption techniques used are similar to those used by other russian-linked ransomware groups such as Hive and Nokoyawa.^[5]

The name "play" comes from the ".play" file extension that the group uses to encrypt their victims' data, leaving a message containing the word "PLAY" and an email address.^[2]

From Wikipedia, the free encyclopedia

Antwerpen

Antwerp, Belgium
www.antwerpen.be
views: 212
amount of data: 557 gb
added: 2022-12-11
publication date: 2022-12-19

information: Antwerp is the largest city in Belgium by area at 204.51 square kilometres (78.96 sq mi) and the capital of Antwerp Province in the Flemish Region.

comment: Personal information, passports, IDs, financial documents, and many others.

PLAY



Binnenland

Stad Diest

Mnd 12/12/2022 12:03

Radio 2, Dorien Vanmeldert

Update ma 12 dec 2022 ⌚ 12:30

ma 12 dec 2022 ⌚ 12:03

Ook stad Diest is het slachtoffer van een cyberaanval: onder meer stadsdiensten en scholen zijn getroffen

De stad Diest in Vlaams-Brabant is vannacht het slachtoffer geworden van een cyberaanval. "Al onze stadsdiensten liggen plat", bevestigt burgemeester Christophe De Graef (Open Diest) aan VRT NWS. Zo kunnen inwoners momenteel niet geholpen worden aan de loketten van het stadhuis. Ook de bibliotheek, scholen en cultuurcentrum Den Amer ondervinden problemen.

Radio 2, Dorien Vanmeldert

Update ma 12 dec 2022 ⌚ 12:30

ma 12 dec 2022 ⌚ 12:03

vr̄t nws

Mnd 12/12/2022 14:18



Mnd 12/12/2022 17:26



Hay Yuri, what's up?

ma 12 dec. 17:26



Tell me

ma 12 dec. 17:27



Euh ... thanks for the call.

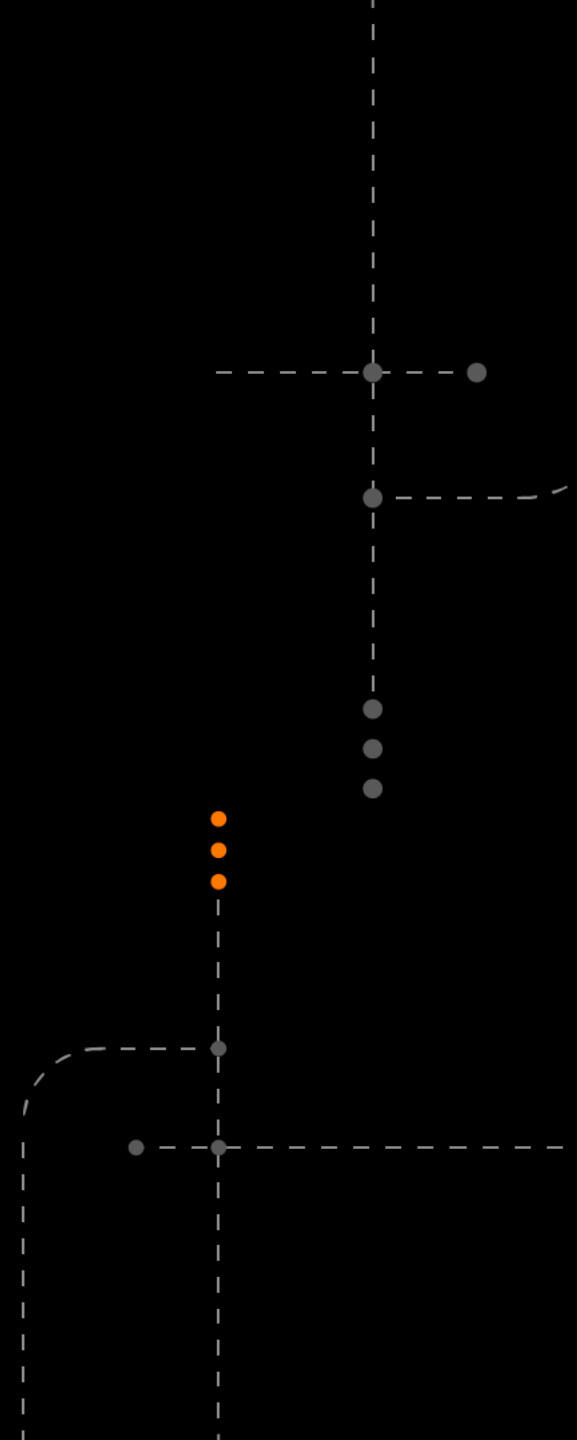
ma 12 dec. 17:26

Stijn, I'm afraid I have some bad news.



ma 12 dec. 17:26

Stad Genk is on a hackers target list with Leuven, Hasselt and Diest.



Mnd 12/12/2022 14:18, Missed call Youri

Mnd 12/12/2022 17:26, Conversation with Youri

Mnd 12/12/2022

18:35

[Dringend] Briefing Mogelijk Cyberdreiging

120 kB

Some people who received this message don't often get email from



12/12/2022

Postvak IN



maandag 12 december 2022 19:00-20:00 Zoom

19:00	[Dringend] Briefing Mogelijk Cyberdreiging Zoom
20:00	

Trusted partnership with specialized service provider



Mnd 12/12/2022 19:11

Stad Genk - OCD : Security advies - Bericht (HTML)

Bestand Bericht Help Vertel wat u wilt doen

Stad Genk - OCD : Security advies

Jerry Dirckx <jerry.dirckx@orange cyberdefense.com>
Aan Schepers Stijn
CC Simen Van der Perre; Luc Luysterborg; Reners Christoffer; Lambrighs Bart

Beantwoorden Allen beantwoorden Doorsturen

ma 12/12/2022 19:11

- Communication and collaboration
- New Microsoft Teams channel for collaboration
- New email group to exchange info with partners
- One Single Point of Contact, to manage crisis, to be decisive
- Print-out of list with contact numbers of stakeholders

-
- ✓ Check patching level Active Directory Domain Controllers and upgrade if required
 - ✓ Check patching level Exchange server and upgrade if required
 - ✓ Check version antivirus
 - ✓ Disable comprimised accounts
 - ✓ Blocking suspected IPs
 - ✓ Power off PCs with VPN Fortinet Client
 - ✓ Check backups and seperate these from LAN
 - ✓ Restict VPN access only from Belgium
 - ✓ Check the creation of recent group policies
 - ✓ Check logging , check alerts
 - ✓ Check *.RAR on date
 - ✓ Check tooling: WinSCP (file transfer) , WinRAR (compression), SystemBC (proxy and remote admin tool)

Nieuws

OPGELET!

Update cyberveiligheid
Wibail Karen 6 dagen geleden
575 weergaven

OPGELET!

Nooit paswoorden vrijgeven!
Wibail Karen 4 dagen geleden
187 weergaven

OPGELET!

Opgelet met vreemde e-mailberichten
Wibail Karen 6 dagen geleden
382 weergaven



How to build a stronger shield against cyber threats?

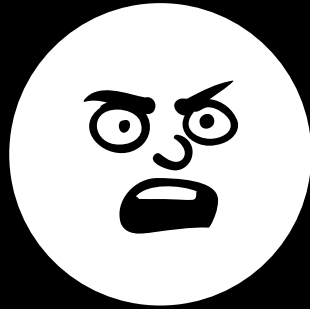
Focus: detect threats and act fast

Why?

- Increased immediate risk of severe cyber attack
- Passive monitoring during business hours
 - Hackers don't work 9 to 5
- Importance of the services of cities and municipalities
- Cyber security requires specific and specialized knowledge
 - Who has found the "sheep with five feet"?
 - Skills shortage: war for talent.

How to build a stronger shield against cyber threats?

Focus: detect threats and act fast



**“Make sure that
you have a back-
up.”**

Translation....

Make sure you have a backup strategy in place so you can recover your data and systems.

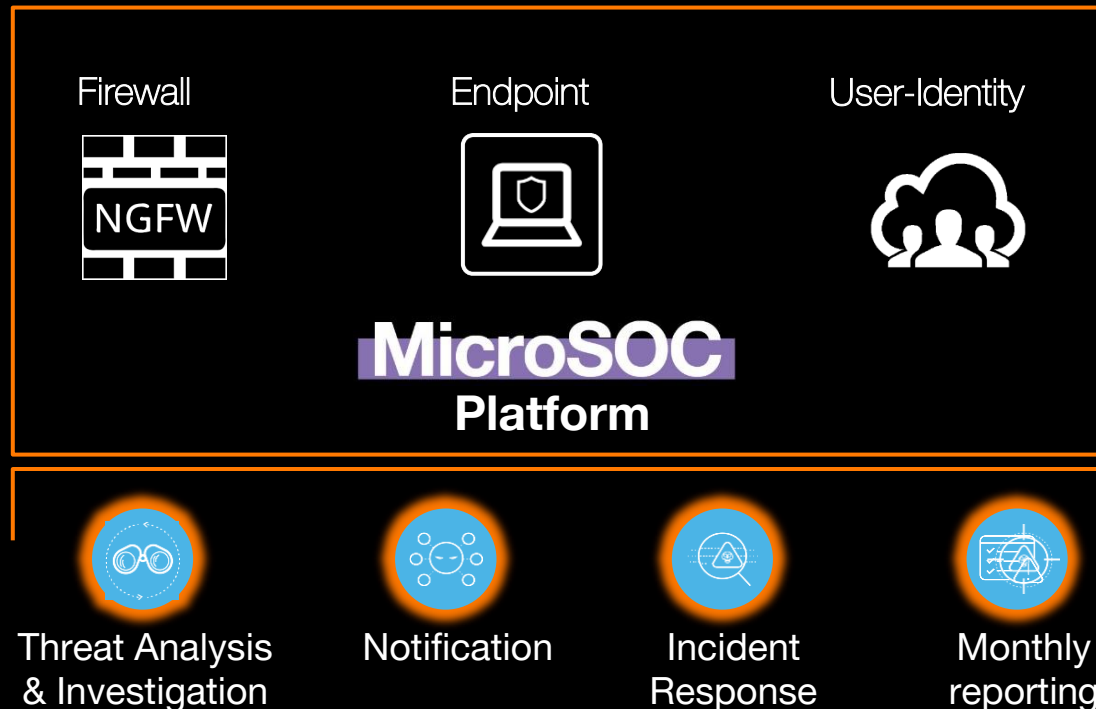
So .. image backups separated from the network which can be easily restored.

How to build a stronger shield against cyber threats?

Focus: detect threats and act fast

Solution: XDR MicroSoc

A Managed Threat Detection service based on extended detection and response (XTR) covering endpoint, network, and used-identity-based threats. The Security Operations Center detects and responds to threats 24/7.



How to build a stronger shield against cyber threats?

Focus: detect threats and act fast

Solution: XDR MicroSoc

- Network
- Account anomalies
- Malware
- System anomalies
- System policy violations
- Social engineering

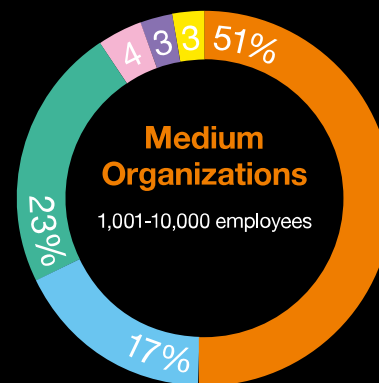
Firewall



Endpoint



User-Identity



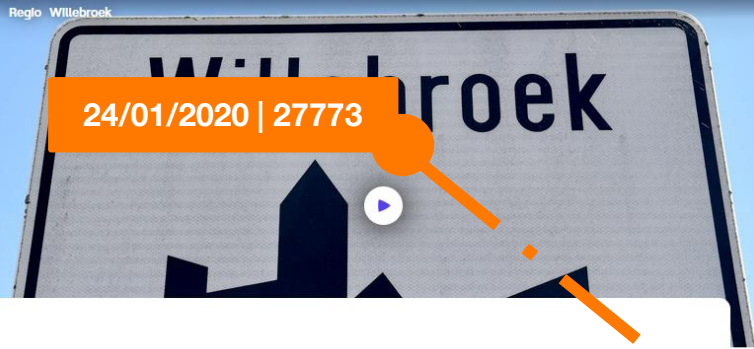


How to build a stronger shield against cyber threats?

Focus: detect threats and act fast

Solution: XDR MicroSoc

- Demo solution was set up in less than three days
 - Included 120 of the most critical endpoints
 - Passive monitoring to active monitoring 24-7x7
 - Provided peace of mind for Christmas holidays
-
- Currently: 1200 end-points monitored
 - Included in service: Computer Security Incident Response Team (CSIRT)
 - Continuous focus on security improvements
 - Small steps make a huge difference



24/01/2020 | 27773

Gemeentediensten van Willebroek slachtoffer van cyberaanval: "Hackers vragen betaling in bitcoins"

De g slach bitcc melc op f IT-systemen stad Luik plat door cyberaanval

21/06/2021 | 195346

21/06/2021 om 21:58 door Ester Meerman

Floor Br Update z za 25 jan



Hacker breekt in bij politie Zwijndrecht en zet duizenden pv's, nummerplaten en boetes online



24/11/2022 | 19547

Stad Antwerpen zit met de handen in het haar na grote cyberaanval als de deuren in het st... e niet of we z... nog open krijgen

5/12/2022 | 538190



Het Antwerps stadhuis.

Van parkeervergunningen aanvragen tot een afspraak maken op het containerpark of elektronisch betalen in de stedelijke musea: is het digitaal en heeft het met de Stad Antwerpen te maken? Dan is de kans groot dat het niet meer kan. Want door een cyberaanval met ransomware ligt de Antwerpse digitale dienstverlening nu al een week zo goed als plat. Het ziet er naar uit dat die problemen tot na Nieuwjaar aanhouden.

La commune de Floreffe victime d'une cyberattaque

10/04/2021 | 8077



BELGIË

Cyberaanval op gemeente Herselt via externe softwareleverancier (update)

06/04/2023 | 14805

Van wanbetalers tot medische attesten: hackers publiceren 'privacygevoelige data' in Geraardsbergen

23/09/2022 | 34724



Ook stad Diest is het slachtoffer van een cyberaanval: stadsdiensten, scholen en cultuurcentrum getroffen

12/12/2022 | 24677



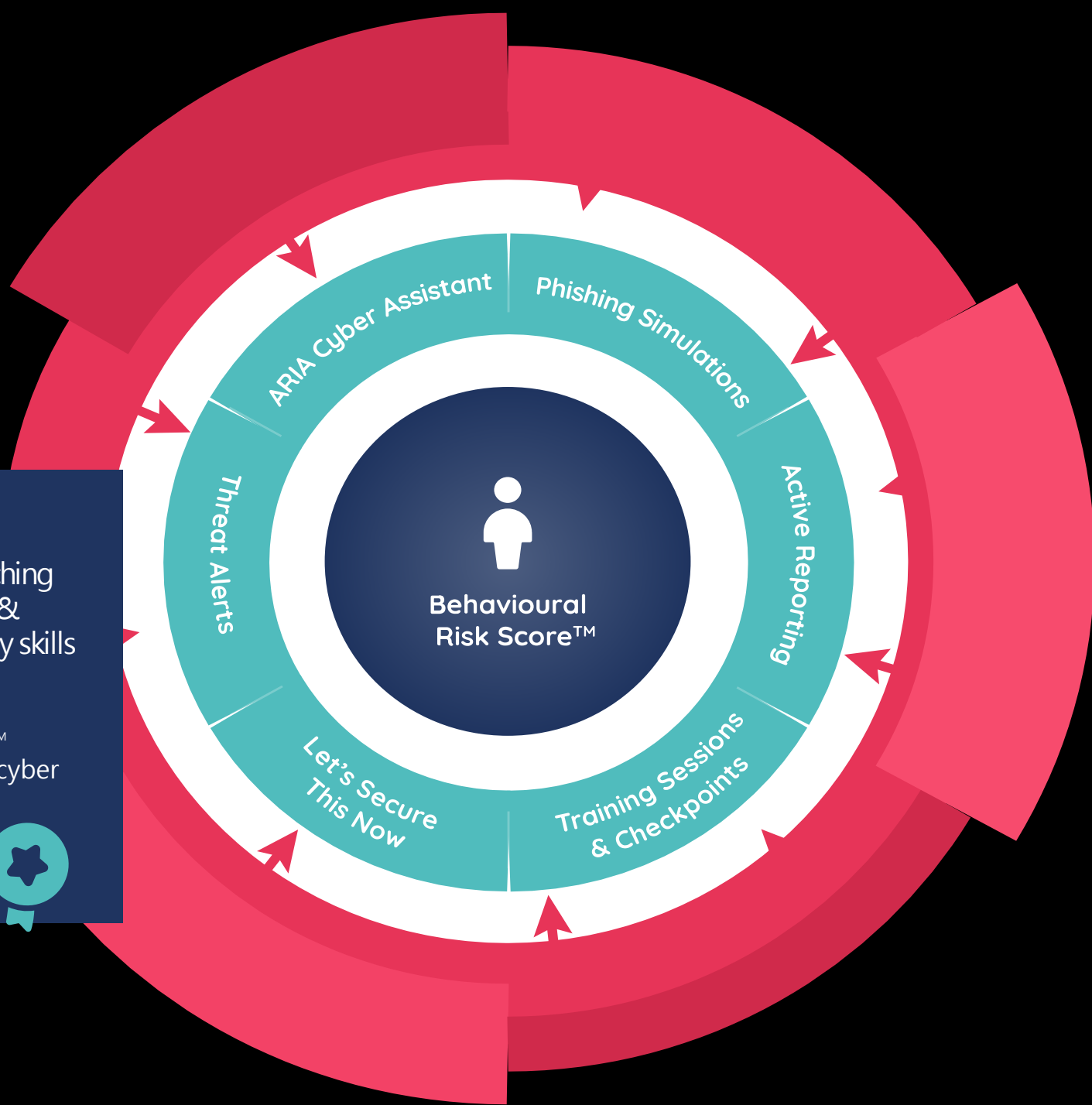


Human behavior and curiosity

Phishing and internet fraud



- ✓ Holistic platform coaching
360 workflow-driven &
essential cybersecurity skills
 - ✓ Behavioral Risk Score™
predicts likelihood of cyber
incidents
- 




13:25


Verizon LTE1



Approve sign-in request

-  *Open your Microsoft Authenticator app and approve the request to sign in.*

I can't use my Microsoft Authenticator app right now

- 
- **Two factor authentication (2FA)**
 - **Security Awareness Training (phished.io)**
 - **Strong password policy (incl. tips to set smart passwords)**
 - **Cyber Risk Insurance**
 - **Geo-locking**
 - **Restrictions on Local Admin Accounts**
 - **Cross-functional team to continuously improve security, step by step**
 - **Back-ups, patching, vulnerability management**
 - **Specialized partners (war for talent)**
 - **Business Continuity Plan**

FROM MURDER CASE TO VERDICT

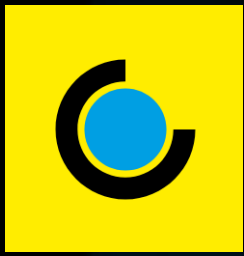
The background features a dark, moody aesthetic. On the right side, a silhouette of a person is shown from the waist up, holding a knife in their right hand. The background is composed of vertical bars of varying heights and widths, some of which are filled with a halftone dot pattern. The overall color palette is dominated by dark blues, greys, and blacks, with some lighter, textured areas.

Episode 15



The question is.....

- How can cities and municipalities be better **armed** against cyber crime?
- Is **structural change** required in the way (digital) services are delivered?
- How do we **prevent** a future digital murder?



Thank You

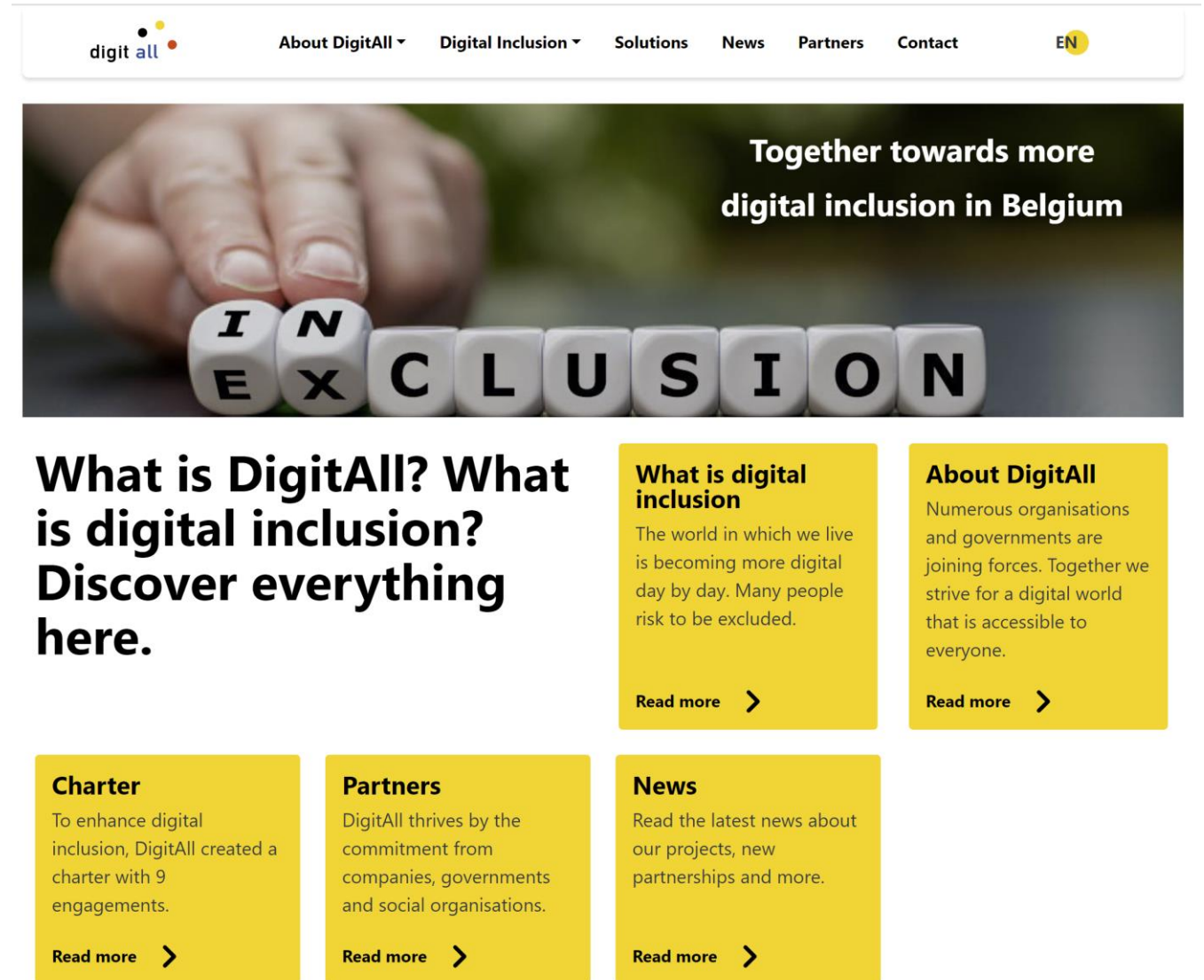
Stijn Schepers
CDO, City of Genk

<https://www.linkedin.com/in/stijnschepers/>

Great sources of information

E-inclusion

<https://digitall.be/>



The screenshot shows the DigitAll website homepage. At the top is a navigation bar with the logo 'digit all' and menu items: 'About DigitAll', 'Digital Inclusion', 'Solutions', 'News', 'Partners', 'Contact', and a language selector 'EN'. Below the navigation bar is a hero section with a background image of a hand moving a cube from 'EXCLUSION' to 'INCLUSION'. The text reads: 'Together towards more digital inclusion in Belgium'. Below the hero section are five yellow boxes, each with a title, a short paragraph, and a 'Read more' link with a right-pointing arrow.

digit all About DigitAll Digital Inclusion Solutions News Partners Contact EN

Together towards more digital inclusion in Belgium

What is DigitAll? What is digital inclusion? Discover everything here.

What is digital inclusion
The world in which we live is becoming more digital day by day. Many people risk to be excluded.
[Read more >](#)

About DigitAll
Numerous organisations and governments are joining forces. Together we strive for a digital world that is accessible to everyone.
[Read more >](#)

Charter
To enhance digital inclusion, DigitAll created a charter with 9 engagements.
[Read more >](#)

Partners
DigitAll thrives by the commitment from companies, governments and social organisations.
[Read more >](#)

News
Read the latest news about our projects, new partnerships and more.
[Read more >](#)

Great sources of information

E-inclusion

<https://www.mediawijs.be/nl/onderzoek/barometer-digitale-inclusie>

Home > Onderzoek >

Barometer Digitale Inclusie

De Barometer Digitale Inclusie vat sinds 2020 jaarlijks alle cijfergegevens samen die gelinkt zijn aan e-inclusie in België. Daarvoor worden verschillende bronnen geraadpleegd, met als voornaamste bron de federale enquête over het gebruik van ICT door huishoudens en individuen van 16 tot 74 jaar (uitgevoerd door Statbel en gecoördineerd door Eurostat).

Een onderzoek van de [Koning Boudewijnstichting](#) .

Wat is de Barometer Digitale Inclusie?

Waarom deze dataverzameling?



Wat vertelt deze dataverzameling ons?



Wat is de methodiek?



Ontdek de cijfers

Ontdek [de belangrijkste cijfers](#)  of [download meteen het volledige rapport](#) .

Great sources of information

Cyber Security

<https://www.vvsg.be/bestuur/innovatie-en-digitale-transformatie/cyberveiligheid#Toolkit>

VVSG

Cybersecurity Toolkit

Hieronder vind je een overzicht van de tools die uitgewerkt werden door de taskforce cyberveilige gemeenten, ingedeeld volgens de categorieën uit het gerenommeerde NIST-framework. Op regelmatige basis worden nieuwe tools toegevoegd, hou deze pagina dus zeker in de gaten. Heb je ideeën, suggesties of feedback om de onderstaande sjablonen en handleidingen te verbeteren? Laat het ons weten [via mail](#).



Draalboek Cybercrime



Business continuïteitsplan



Crisiscommunicatieplan



Checklist crisisbeheer



Beleid voor responsible disclosure



Register voor cyberincidenten



Procedure melding cyberincidenten



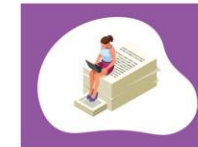
Interne en externe contactlijsten



Richtlijnen Secure Software Development



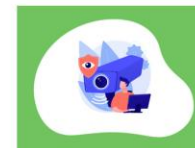
Veiligheids- en opvolgingsplan



Richtlijnen organisatiebeheersing



Cybertips en -tricks



Richtlijnen beveiliging camerasystemen



Nuttige freeware cyberveiligheid



Initiatieven en vormen