WAVESTONE

Cyber Benchmark How is the market performing?

March 2022



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Wavestone, a fast-growing company



WAVESTONE

An independent leader in cybersecurity

UNLOCK **INNOVATION** WITH TRUST

A team of **700+** cybersecurity consultants & experts serving **1000+** clients

US | UK | FR | BE | CH | LU | HK

INNOVATIVE & MAKER

- / Cloud & Next-gen security
- / Digital Identity
- / Risk management & Compliance



CORE-BUSINESS PARTNER

TRUSTED

& EXPERT

- / Financial Services
- / Manufacturing & Industry 4.0
- / IoT & Smart Products



Sectorial benchmarks

/ C-levels

- Incident Response /
- / Ethical hacking



CyberLab

Maturity analysis based on Wavestone's benchmark

A new approach based on NIST CSF Framework & ISO 27001/2



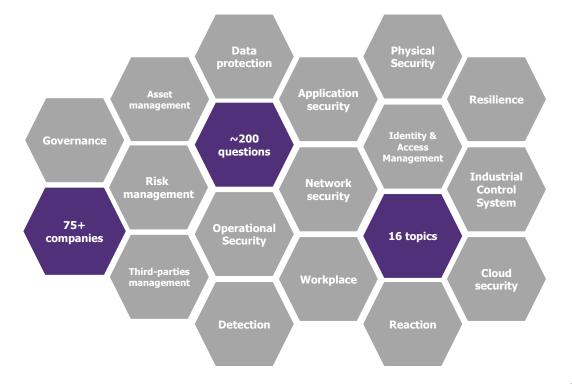
A key innovation: the evaluation of the **maturity distribution** of each topic, covering **organizational** and **technology controls**



A **reliable approach**: data collected through in-person maturity assessments done over the last 3 years by Wavestone



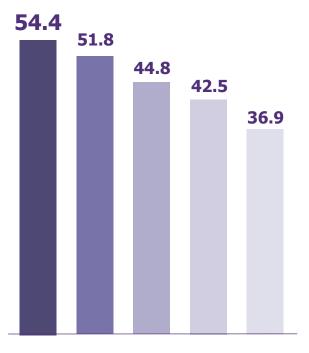
A dataset of 75+ companies among the **largest tier 1 companies**: industry, services, financial services, energy and public... Representing **more than 3,000,000 user accounts**



Wavestone Cyber-Benchmark: global overview



Average is barely reached



Finance Energy Industry Services Public

43.3

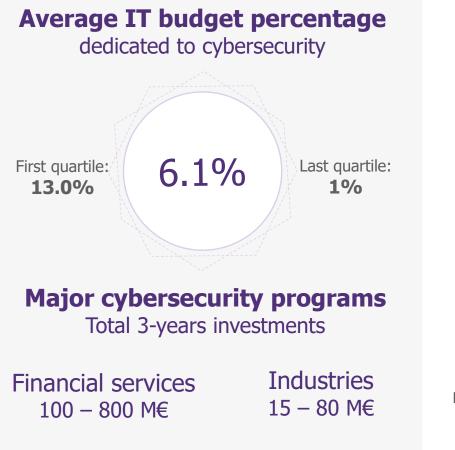
55.4

Critical Noninfrastructures regulated

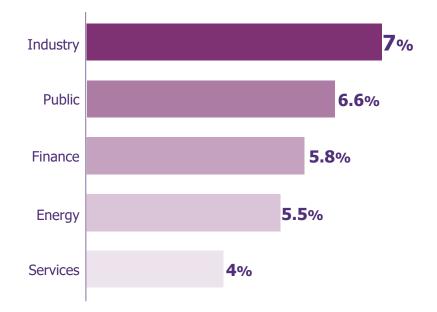
Wide differences between sectors

Regulation have a positive impact

Companies spend an average of 6.1% of their overall IT budget on cybersecurity



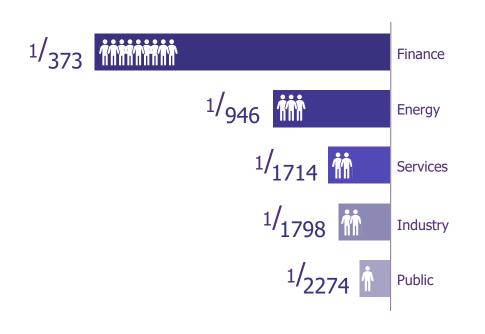
Today, less mature sectors are mainly the ones investing most*



Financial services have gone through their remediation phase and are now in RUN mode with lesser program. Other sectors are still concentrating their efforts through dedicated transformation program.

*Taking into account that budget percentages can vary a lot depending on previous investments and current build VS run balance

Cybersecurity teams are growing quickly, **many companies have doubled the size of their team**



In the current tense job market, **HR management** should be a **priority** on both **attractivity** and **retention.** International standards on cybersecurity are mostly missing these key actions.



How is the MARKET doing on cyber topics?





NIST pillars are nowadays **homogeneous** depicting the strong investment on **Detect & Respond** topics. The **Recover** topic is still lacking behind.

How is the MARKET doing on cyber topics?



Box plot view of maturity score for every topic: Maximum / 1st quartile / Median / 3rd quartile / Minimum. One dot is one control point from our maturity assessment.

How does the MARKET stands against the latest cyberattacks?

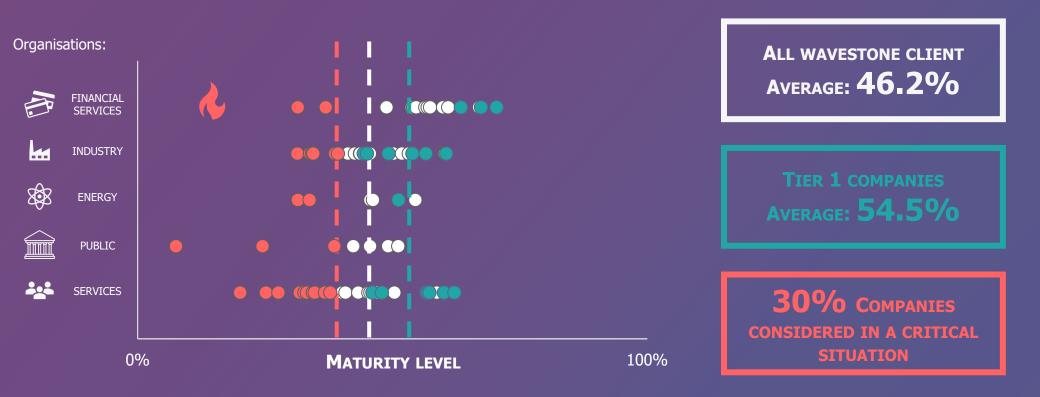


of overall resilience against **RANSOMWARE**

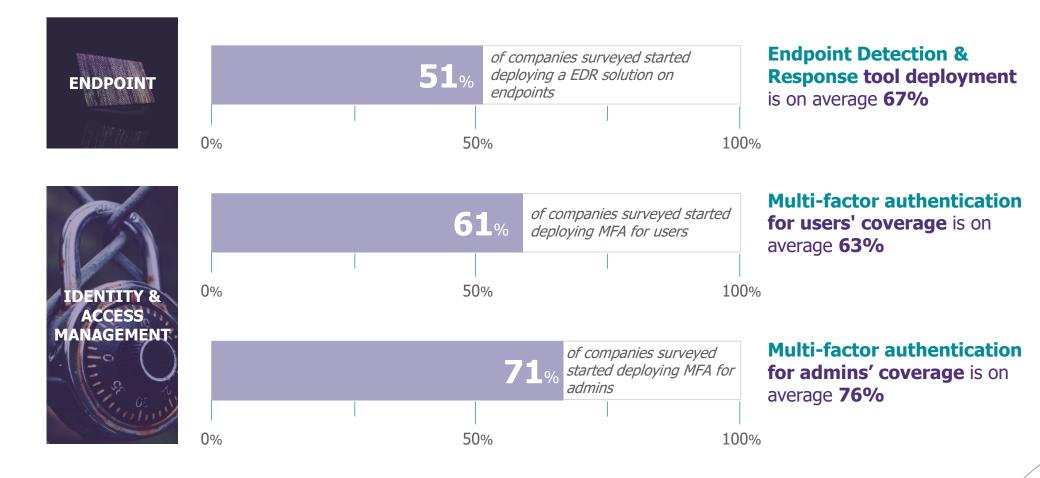
RANSOMWARE RESILIENCE

30% OF LARGE ORGANIZATIONS ARE STILL LACKING KEY CONTROLS

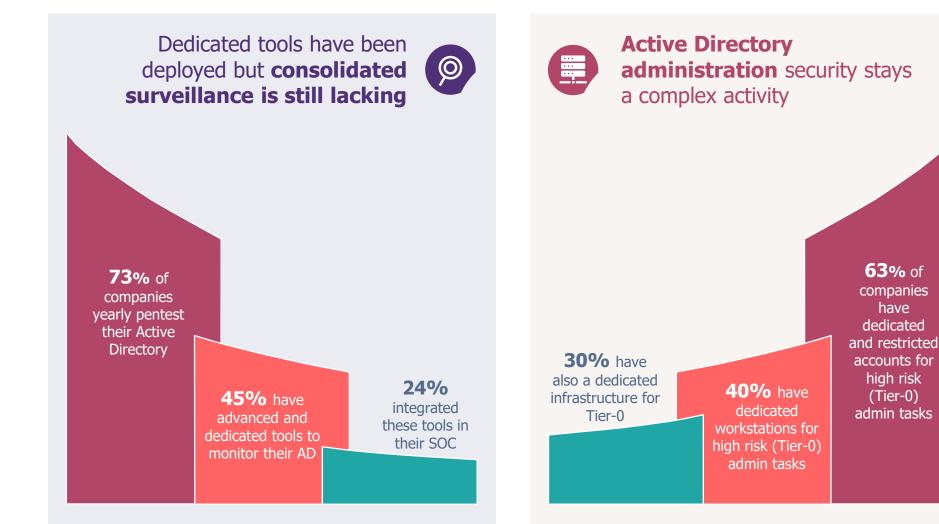
Based on the latest cyberattack the CERT-Wavestone managed, we selected **31 anti-ransomware controls** and evaluated maturity on these topics



EDR & MFA, most large organizations succeeded, there is no reason to wait anymore!



Securing **Active Directory** is ongoing but it's still a challenge to change practices and architecture



Cyber resilience has been and still is a difficult topic today, especially on **operational testing**

Huge investments on crisis management...

82% of companies have a least partially defined, shared and applied a **cyber crisis management process**



53% of companies have a full set of **tools dedicated to crisis management**: videoconference tool, shared follow-up file, crisis handbook and directory... and for **25%** of them, these tools are **resilient against a cyber-crisis**!



47% of companies are regularly organizing **cyber crisis simulation**

10% of companies have tested their Disaster Recovery Plan with key suppliers

17% of companies have tested their Disaster Recovery Plan on the whole value chain

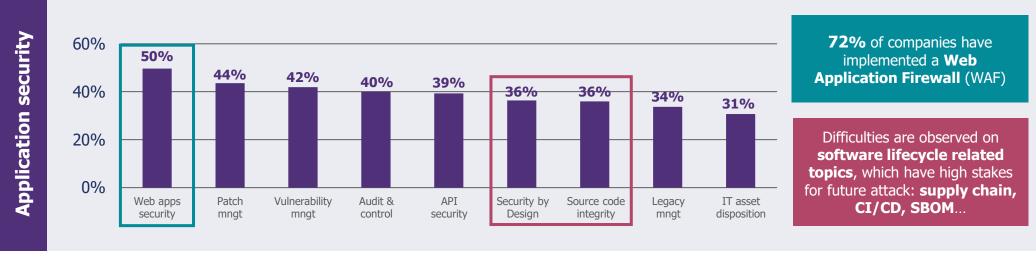
with major investments on-going in the financial sector

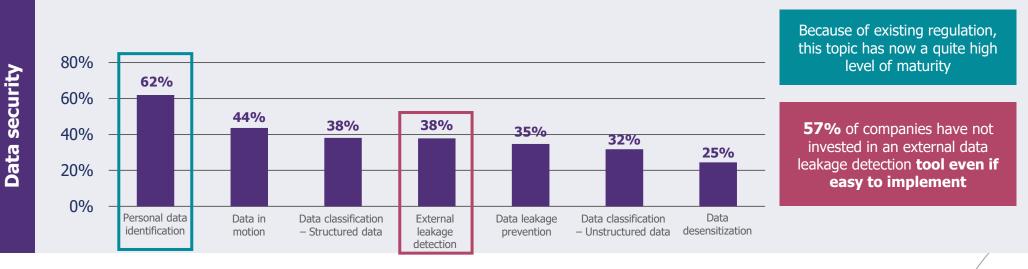
...hiding real difficulties on operational resilience testing

DISCOVER the

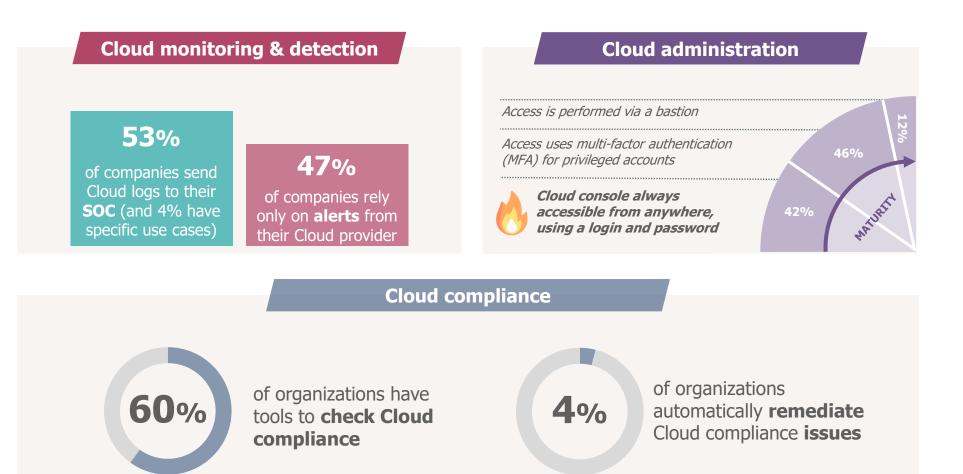
next CHALLENGES

Data & Application security: many challenges due to the volume of items (38.8% and 38.3% maturity)



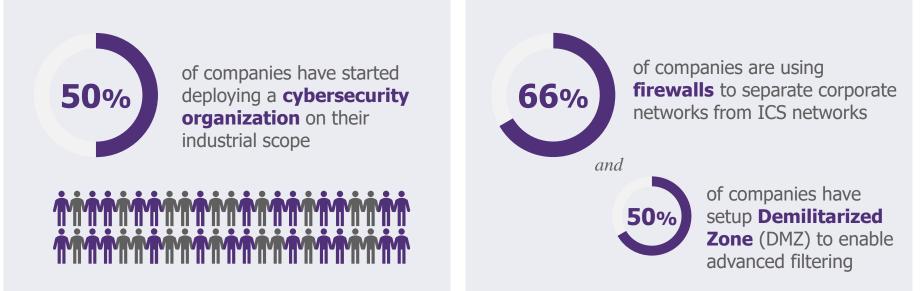


Cloud is a key topic concentrating important investments but reaching **only 36.1% of maturity**



OT / Industrial systems security has an overall **maturity of 34.1%**

A few encouraging points...



...but a key topic identified for all new projects : security of third parties



of companies do not control their **security requirements with third parties** A short glimpse on current market trends... ... many other data to dive in and insights to get!

Moving fast

Best in class

Maturity level 80%

70%

Additional 2022 key topics



HR MANAGEMENT



C-LEVEL RELATIONSHIP



THIRD-PARTY



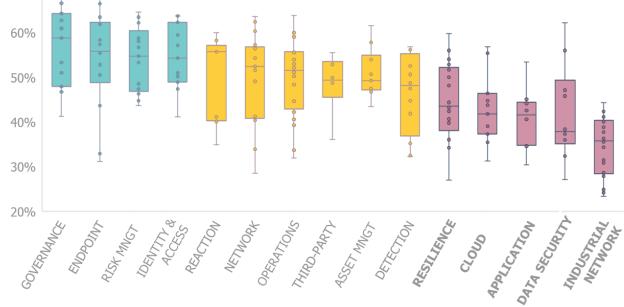
ZERO TRUST



AUTOMATION



Hard to crack



Many different analysis



International standards: NIST and ISO 2700X



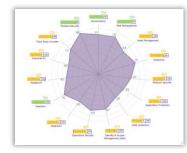
Topic maturity against peers



Robustness against latest attacks



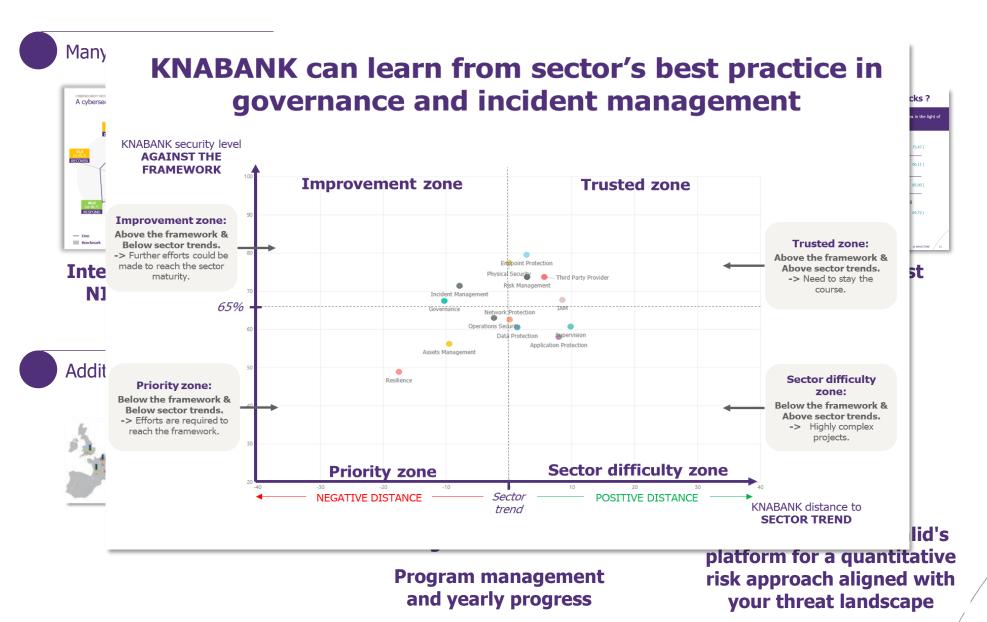
Entities view



Target risk level view Program management and yearly progress



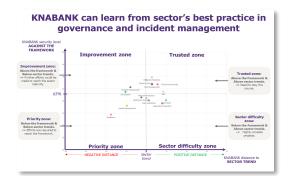
Integration with Citalid's platform for a quantitative risk approach aligned with your threat landscape



Many different analysis



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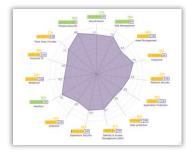
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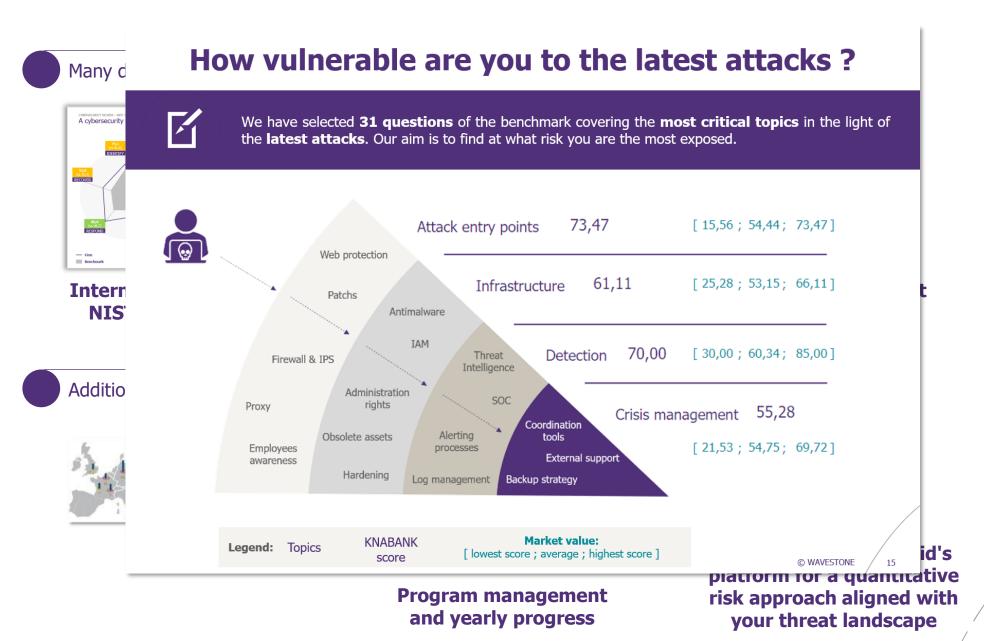
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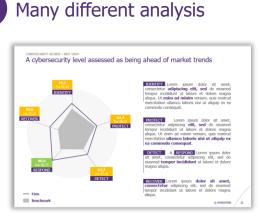


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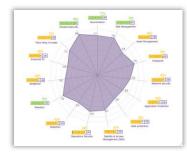
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