

# PwC Digital Resilience Center

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your partner in building resilient,  
continuous & innovative business





The background of the slide is a dark, blurred image with vibrant, out-of-focus streaks of light in shades of blue, pink, and green, creating a sense of digital motion or data flow.

“

Building digital resilience means **preparing today for the challenges of tomorrow**. It's about creating technology that can withstand and bounce back from disruptions."

Chat PwC

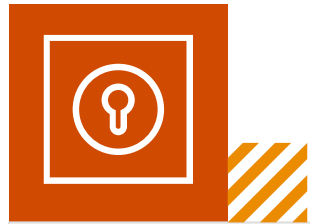
1.

# Market perspective & threat landscape





# Global physical & cyber threats drive regulatory environment towards focus on Resilience, new approach to Digital Resilience is required



Growing **INTENSITY** of local & global threats

**Unprecedented growth of physical-risks for technology** resulting from pandemics, war(s) and damages (both natural catastrophes & human-damage)

**Significant growth of intensity of Cyber attacks** focused in particular on critical infrastructure, incl. public and sectors / companies providing critical services

Growing number of incidents & global losses from cyber-attacks estimated on **USD trillions (order of magnitude)**



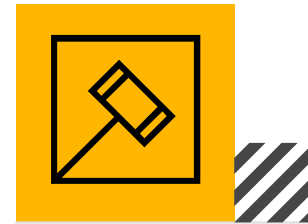
Growing **COMPLEXITY** of Technology & data

**Growing complexity of technology architectures and infrastructure**

Unorchestrated and **unmanaged technology landscape**

**High dynamics of Cloud environment**

**Rapid growth of new technologies and AI** (AI, GenAI) bringing new set of risks and cyber threats.



New Resilience-focused **REGULATIONS**

Growing **regulatory pressure on technology & data Resilience management** and risk-driven approach to tech & data management:

- **DORA**
- **NIS2**
- **AI ACT**

(every next regulation is expected to raise the bar in risk-driven approach to tech & data Resilience).



Need for new approach to **DIGITAL Resilience MANAGEMENT**

Definition of Digital Resilience going beyond Cybersecurity perspective and regulatory minimum

Digital Resilience testing frameworks on organizational & technology component level

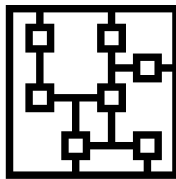
Digital Resilience strategy addressing key gaps & vulnerabilities and prioritizing investments - Single, mutual Digital Resilience backlog of initiatives prioritized for biggest impact

# Rapid growth of cyber-attacks in Poland & CEE



x2

Growth of **cyber-attacks intensity** in Poland & CEE (YoY)



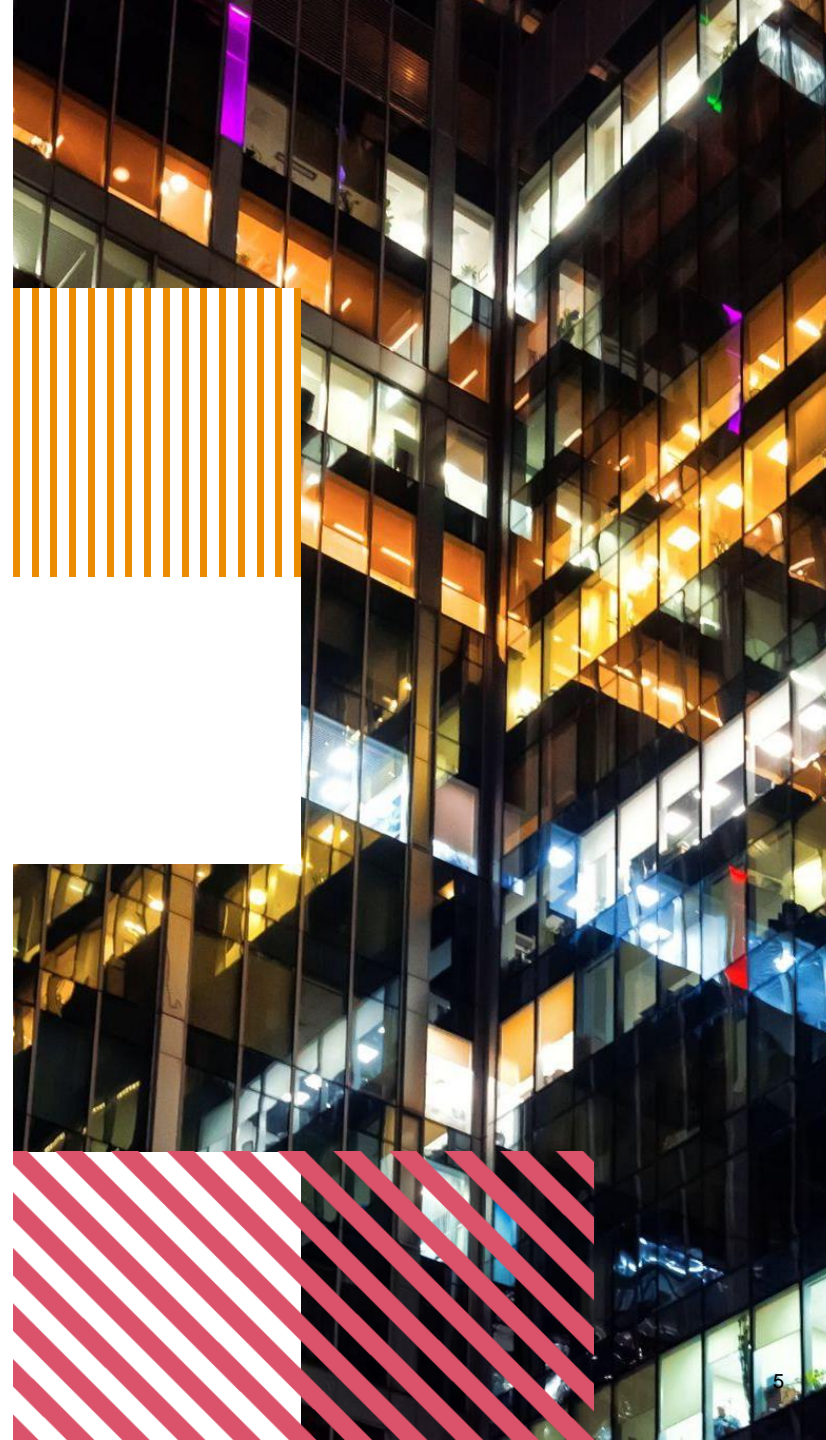
x5

Growth of cyber-attacks intensity on **critical infrastructure & services** in Poland & CEE (YoY)



x7-10

Growth of cyber-attacks intensity on **particular companies** in Poland & CEE (YoY)



# Important technology innovations with new risks & vulnerabilities

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## Digital

Complex architectures, Technological debt,  
Technology entropy, Operational overhead

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## Public Cloud

Configuration complexity, Security breaches,  
Backup & recovery

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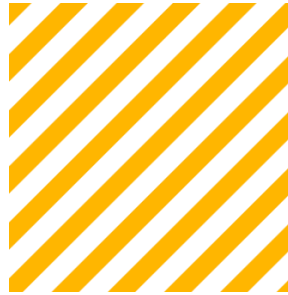
## AI

Data poisoning, Data pipeline vulnerabilities

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## Gen AI

Data poisoning, Hallucinations,  
Prompt contamination



Technological

Revolution!

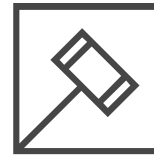
# Growing regulatory pressure on Digital Resilience



**Digital Operational  
Resilience Act (DORA)**



**Network and  
Information Systems  
Directive 2 (NIS2)**

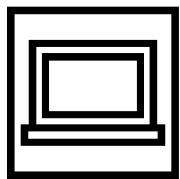


**AI Act**



**Every next regulation  
is expected to raise the  
bar in risk-driven  
approach to tech &  
data Resilience**

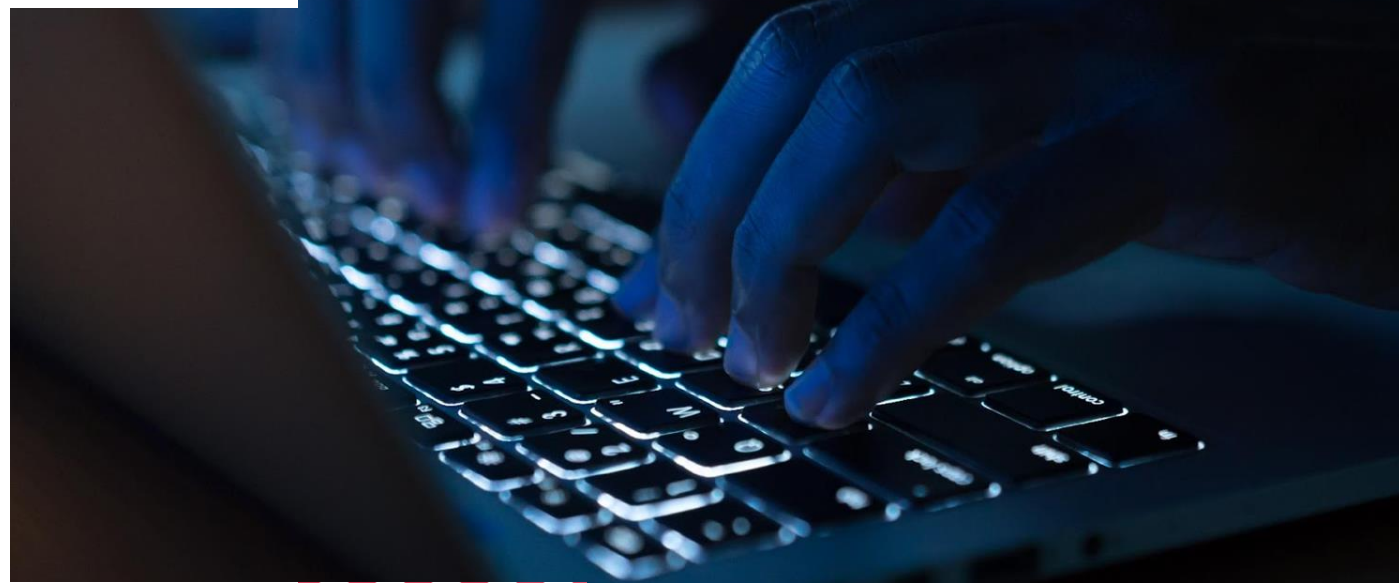
# Still growing losses from (cyber-)incidents



**>30%**

increase of cybersecurity  
incidents in Poland & CEE (YoY)

**36%** of breaches with loss  
**>USD 1 M**





# Multiple European banks are impacted



Spain

**Ransomware**



Italy

**Customer data breach**



Deutsche Bank

Germany

**Infrastructure outage**

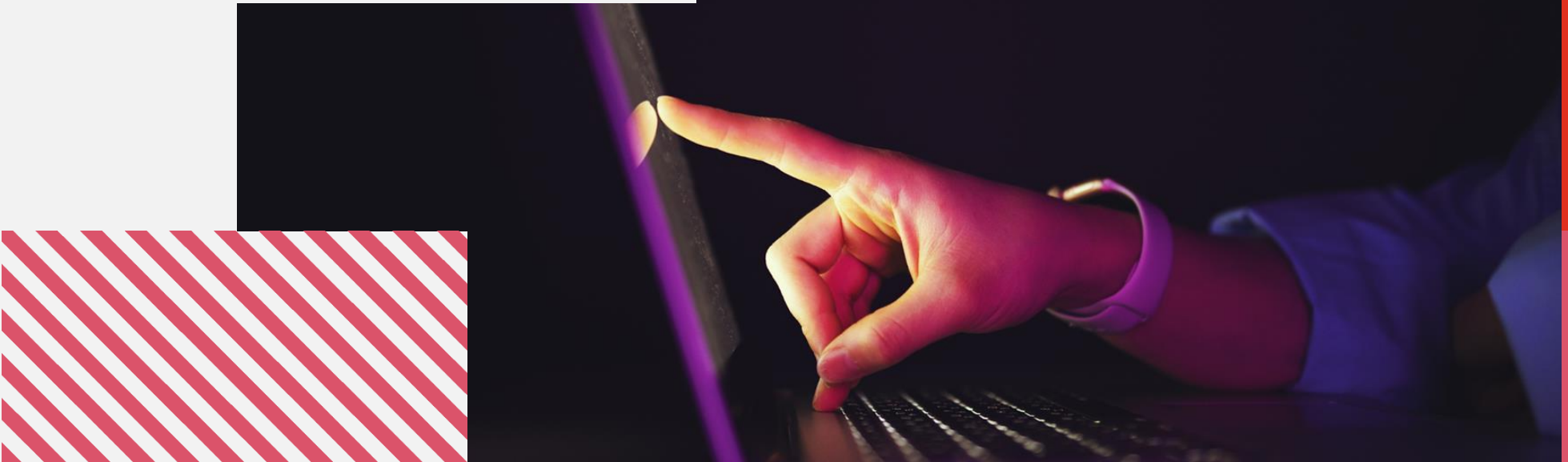


Ukraine

**Risk of physical damage (war)**

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## Digital Resilience



# What is Digital Resilience?

## Assurance that Technology supports Company Goals

### Meaning of Resilience

Dictionary, Definitions from [Oxford Languages](#)

noun: **Resilience** /rɪˈzɪliəns/

1.

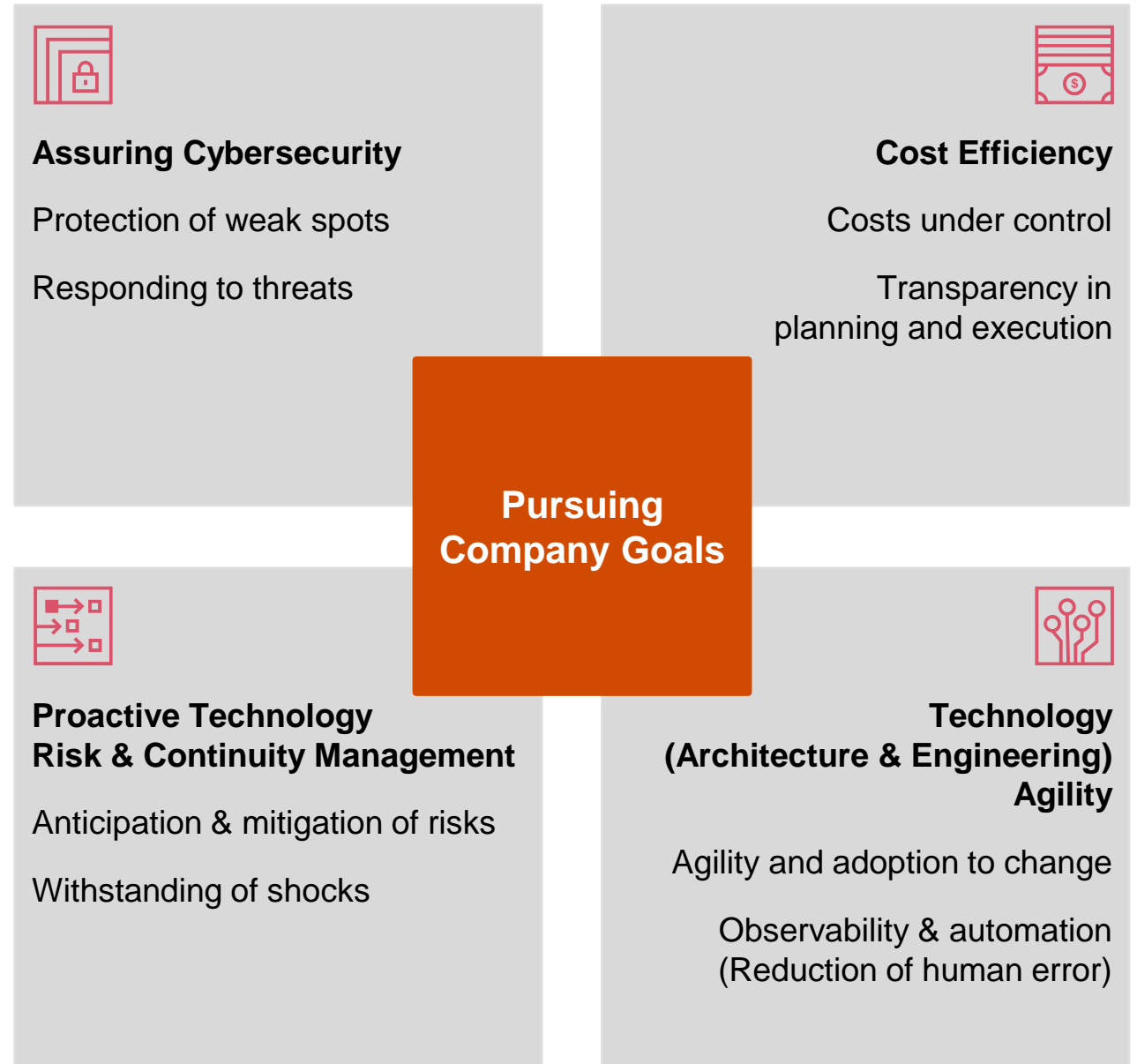
the capacity to withstand or to recover quickly from difficulties; toughness.

"the remarkable resilience of so many institutions"

2.

the ability of a substance or object to spring back into shape; elasticity.

"nylon is excellent in wearability and resilience"





# Global Leaders transform their Cybersecurity & Tech Risk into broader, more pro-active & transformation-embedded

**93%**

of Cybersecurity Leaders orientate their Cyber Functions into **pro-active anticipation & mitigation of risks** (incl. resulting from technology trends & macroeconomic environment), rather than detection & response to threats only

**84%**

leverage broader digital **Resilience investments in order to transform Cybersecurity**, using “Cybersecurity-embed” approach to digital & Cloud transformation

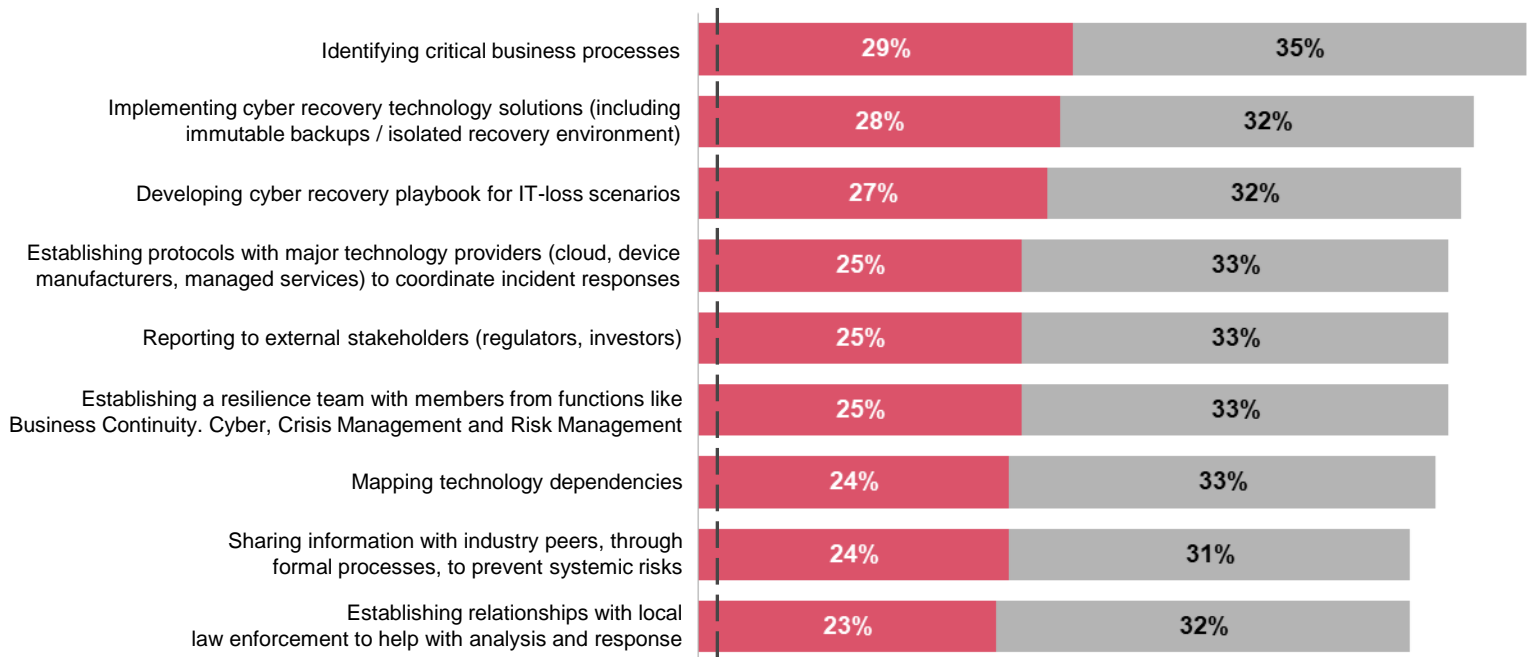
**92%**

invest in raising awareness of digital Resilience organizational **baselines & engage in digital Resilience transformation their CEO & entire Boards** – identifying key vulnerabilities, threat landscape, attack trajectories & investment priorities



# Still progress on Digital Resilience is too slow

## Extent of implementation for key cybersecurity resilience actions



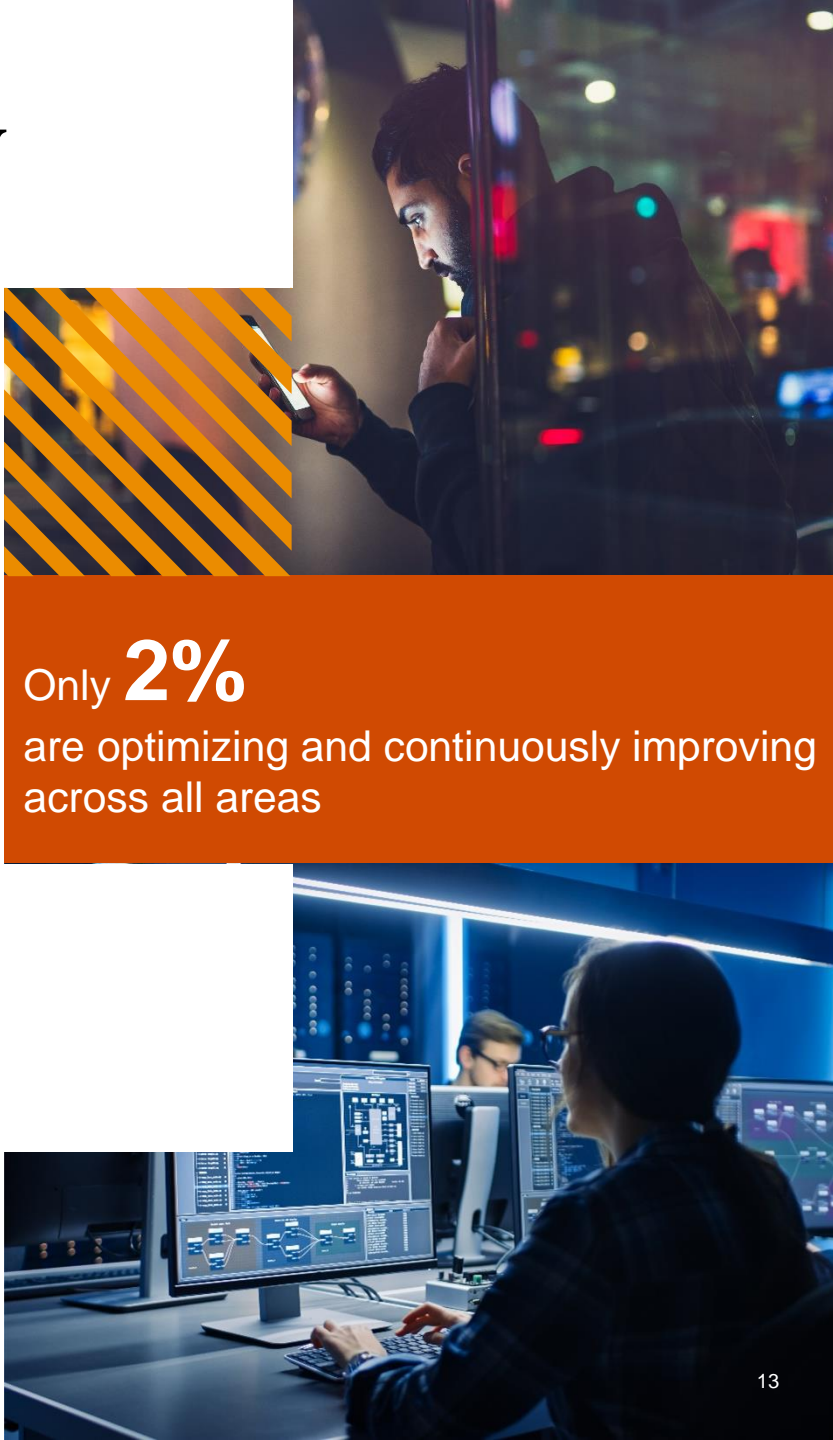
Only 2% are optimising and continuously improving across all areas

■ Optimising and continuous improvement ■ Implemented across the organisation

Q8. To what extent is your organisation implementing or planning to implement the following cyber resilience actions?

Base: All respondents: 3876

Source: PwC. 2024 Global Digital Trust Insights.



Only **2%**  
are optimizing and continuously improving  
across all areas

# Digital Resilience becomes a strategic investment **priority** – Cloud & Technology modernization on top of Resilience agenda

## Digital tops the risks in two ways:

Risk mitigation priorities over next 12 months:

> **51%**

Digital technology risks (technology unable to support business)

> **43%**

Cyber risks

> **41%**

Macro risks

&

## Cloud is the answer (to Resilience)

Cloud transformation priorities\*:

> **80%**

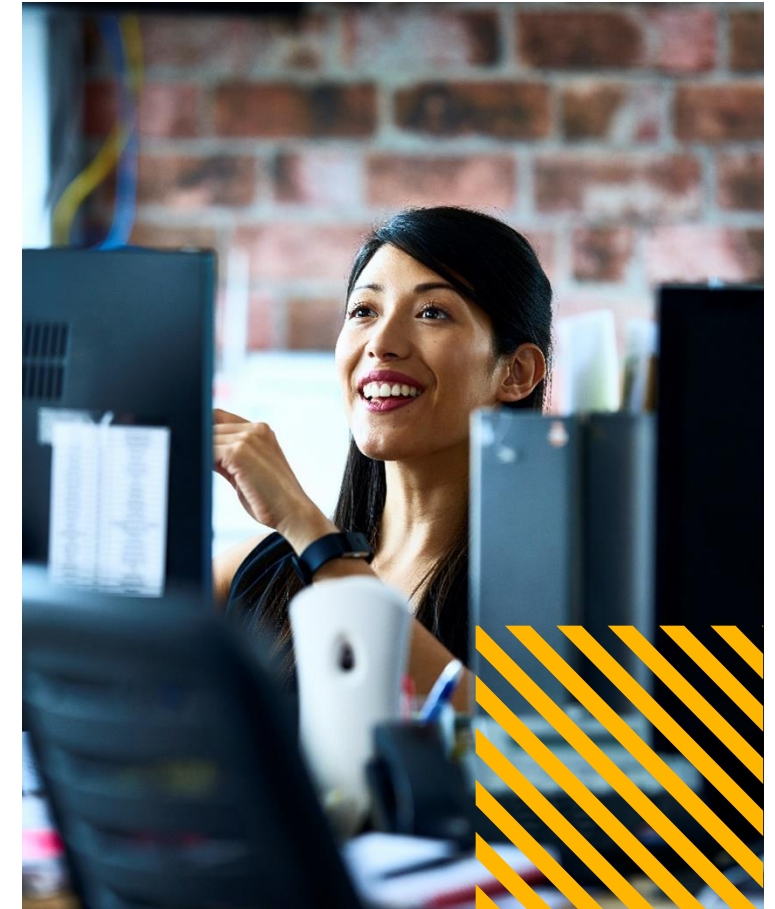
expects improved Resilience thanks to Cloud adoption

> **73%**

will be increasing cloud spend

> **49%**

Need to modernize technology debt first before business innovations

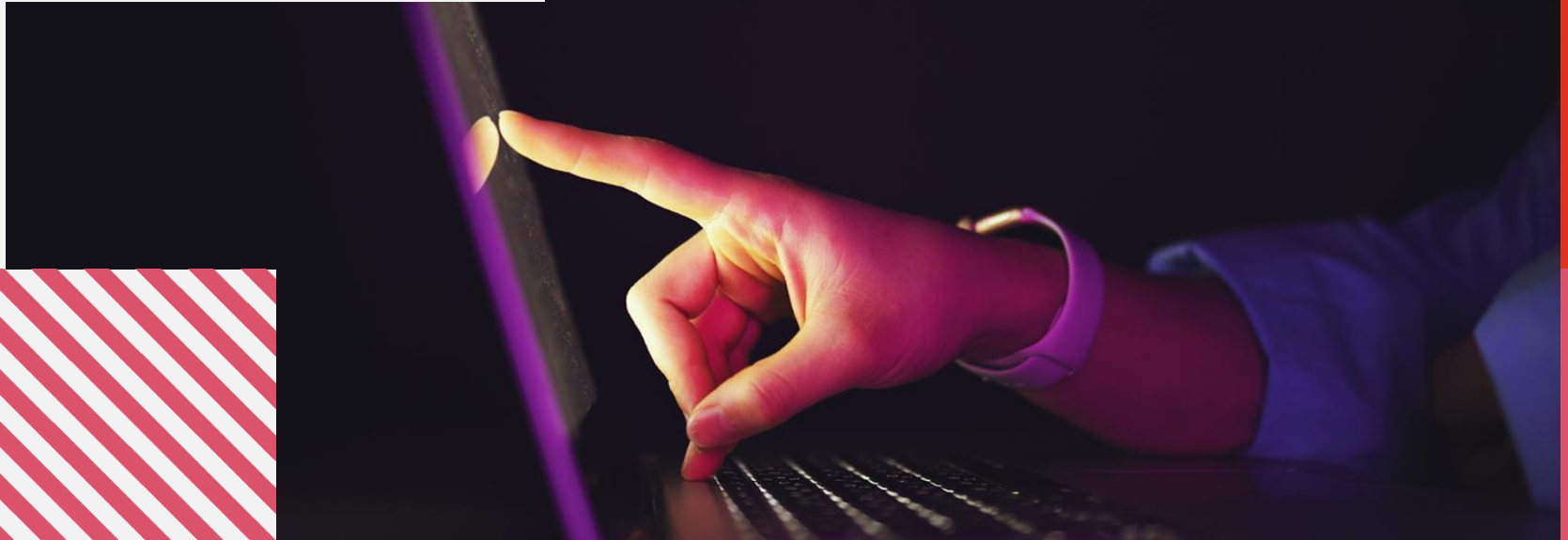


\*PwC Cloud Business Survey Poland and CEE

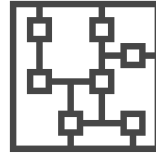


3.

## PwC Digital Resilience Center



# PwC DARC Resiliency standard covers 4 pillars:



## Defence

## Architecture & Engineering

## Risk & Continuity Mgmt

## Cost Efficiency

### Categories

Cybersecurity Strategy & Architecture

Design (Enterprise / Platform / Solution)

IT Risk Controls

FINOPS Cost Transparency

Protection

Prepare (Automation)

Incident Management

FINOPS cloud cost optimisation

Detection And Response

Deploy (Release Management)

Fault & Disaster Recovery Practices

FINOPS operationalisation

Control (Observability)

Business Continuity Management

### Underlying frameworks

NIST CSF 2.0

PwC IT Architecture Principles & Practices

CIS Controls 8.0

FinOps Foundation

Cloud Well Architected Frameworks (Azure, GCP, AWS, IBM)

TBM

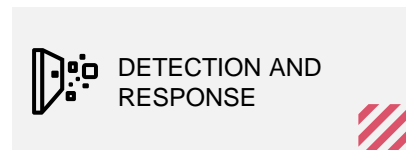
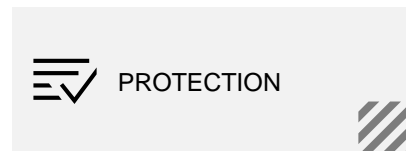
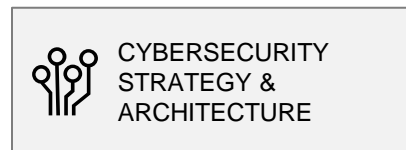
# PwC DARC Standard is set of over 1000 continuously updated Resiliency best-practices developed by PwC based on our knowledge & experience

## PwC DARC Standard Pillars

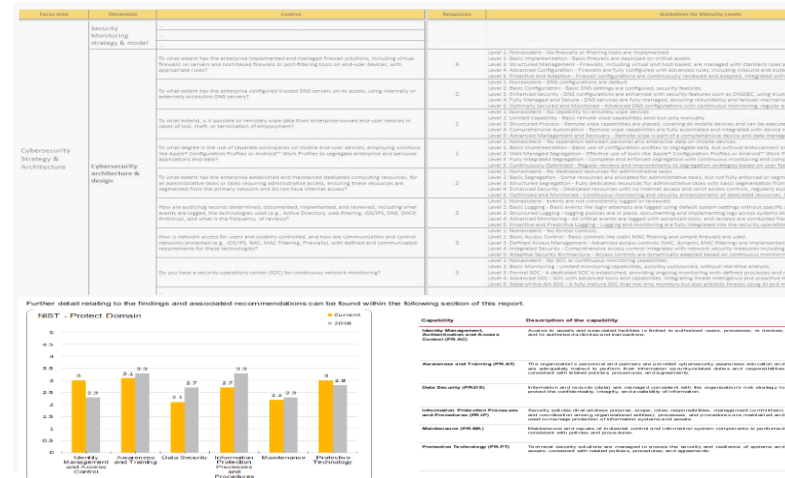


## PwC DARC Tools & Templates:

## PwC DARC Categories:



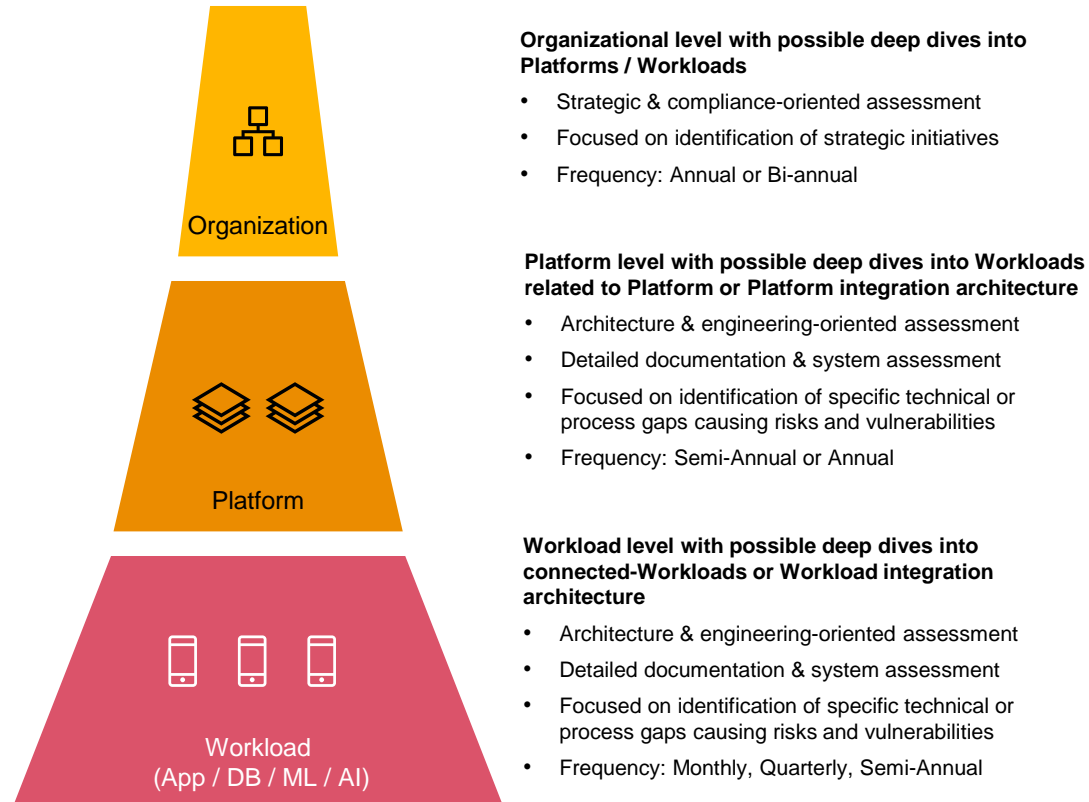
## PwC DARC Scorecard:



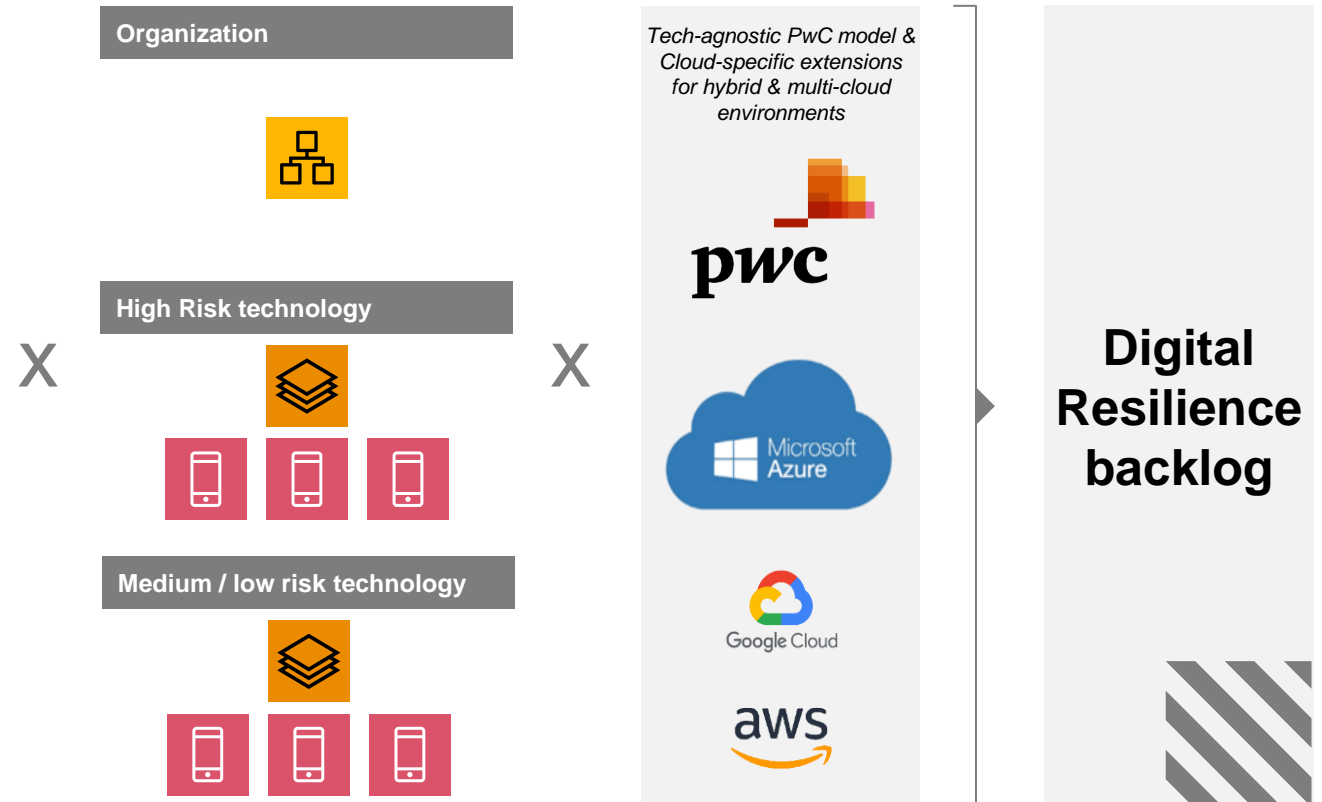


# How PwC DARC Resilience Center works in practice? In partnership with our Clients we perform continuous Resilience assessments resulting in Resilience backlog... regulatory compliance is just a side effect

## Resilience assurance proces with PwC DARC Standard



## Risk-driven scope of Resilience assurance process



# Products of PwC DARC Standard & PwC Resiliency Center is addressed to Board, Top Management & Operational level



A hand is shown interacting with a tablet. The tablet screen displays a line graph with a blue background and a white line that trends upwards. The background of the entire image is dark, with the light from the tablet illuminating the hand and the surrounding area.

“

In the digital age, **resilience is not a luxury but a necessity**. Those who can adapt, innovate, and recover quickly will lead the way."

Chat PwC



# Thank you

We remain open to all your questions



**Marek Chlebicki**

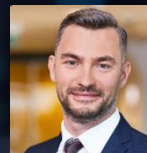
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