A RISK WORTH TAKING

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@RSASecurity

RSA BUSINESS-DRIVEN SECURITY™

except:
print("please select exactly
OPERATOR CLASSES
Mirror Tool
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DIGITAL TRANSFORMATION

Internal Use - Confidential

…A NEVER ENDING JOURNEY

1973	1994	1996	1999	2000	2003
Motorola Dynatac	First smart phone			Qwerty keyboard	
		SMS messaging	Games		Ringtones
First mobile voice call			Phonebook	Phones with cameras	Flashlights

2007	2008	2010	2011	2015	2019
		4G	Stylus		Foldable smart phone
Web browsing				“Selfies”	
	On-screen widgets	iPad released	“Apps”	SD card-based memory	

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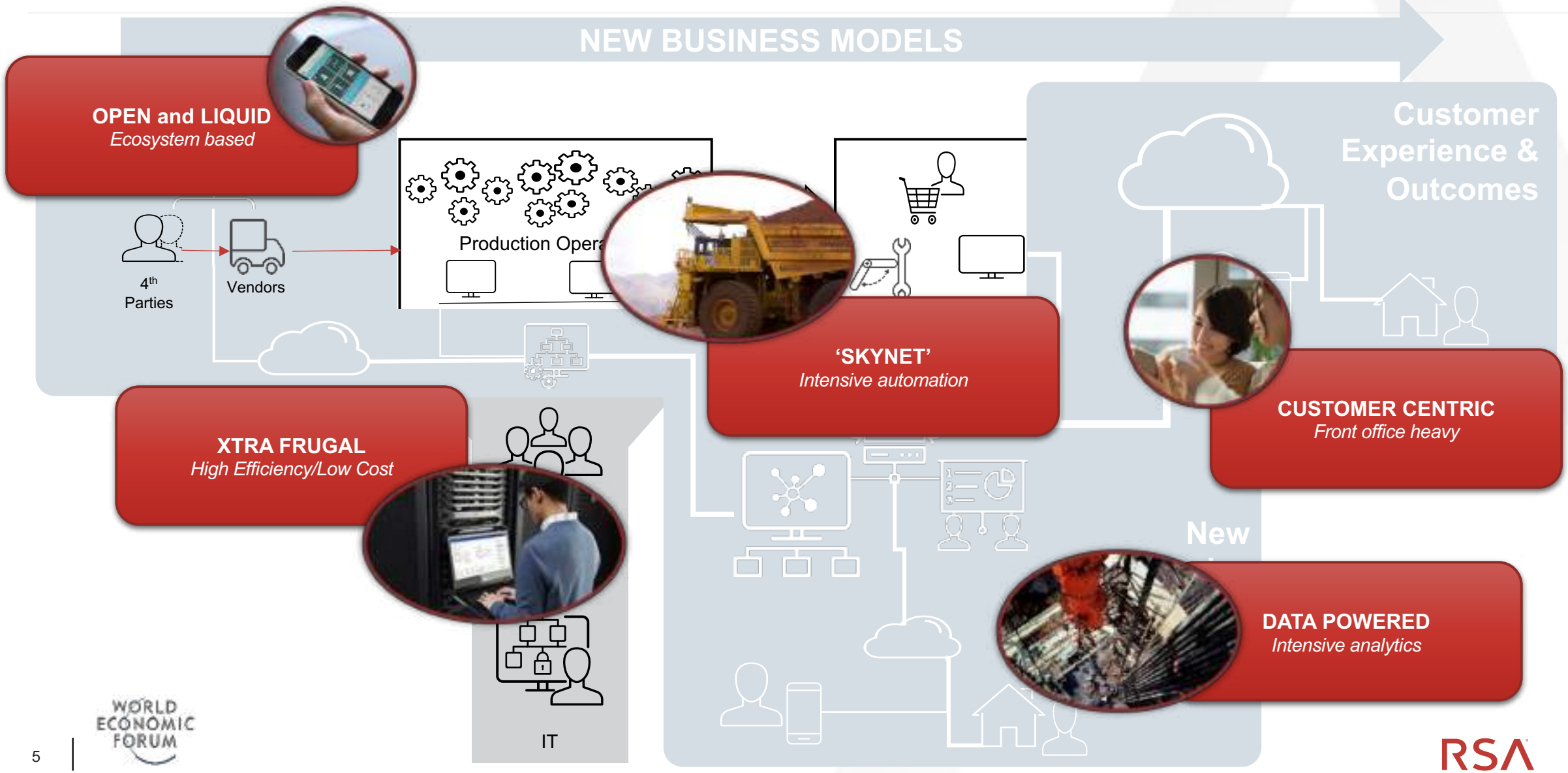
THE DIGITAL TRANSFORMATION - SIMPLIFIED



WORLD ECONOMIC FORUM

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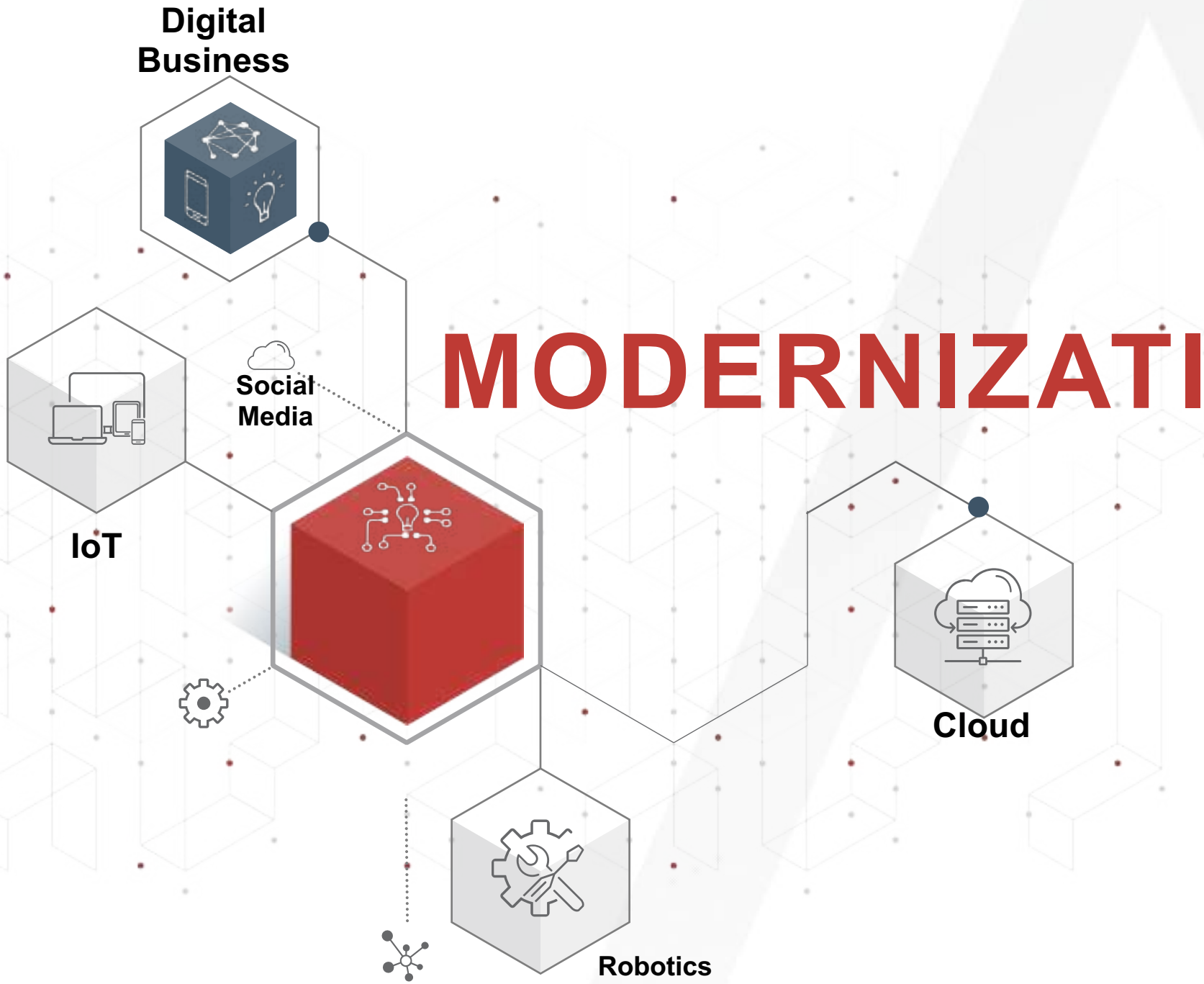
* Digital Operating Models as identified by the World Economic Forum

MODERNIZATION



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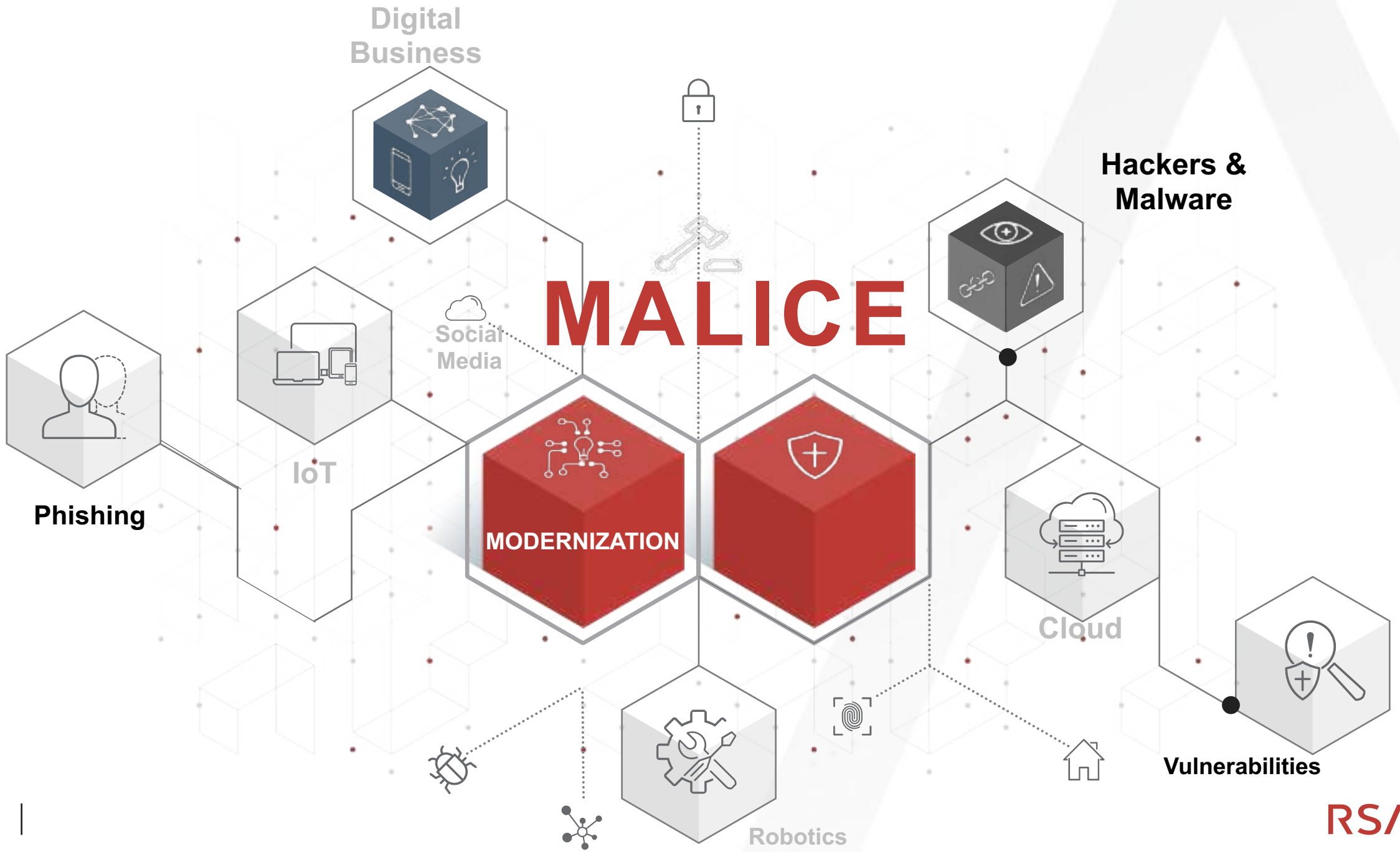

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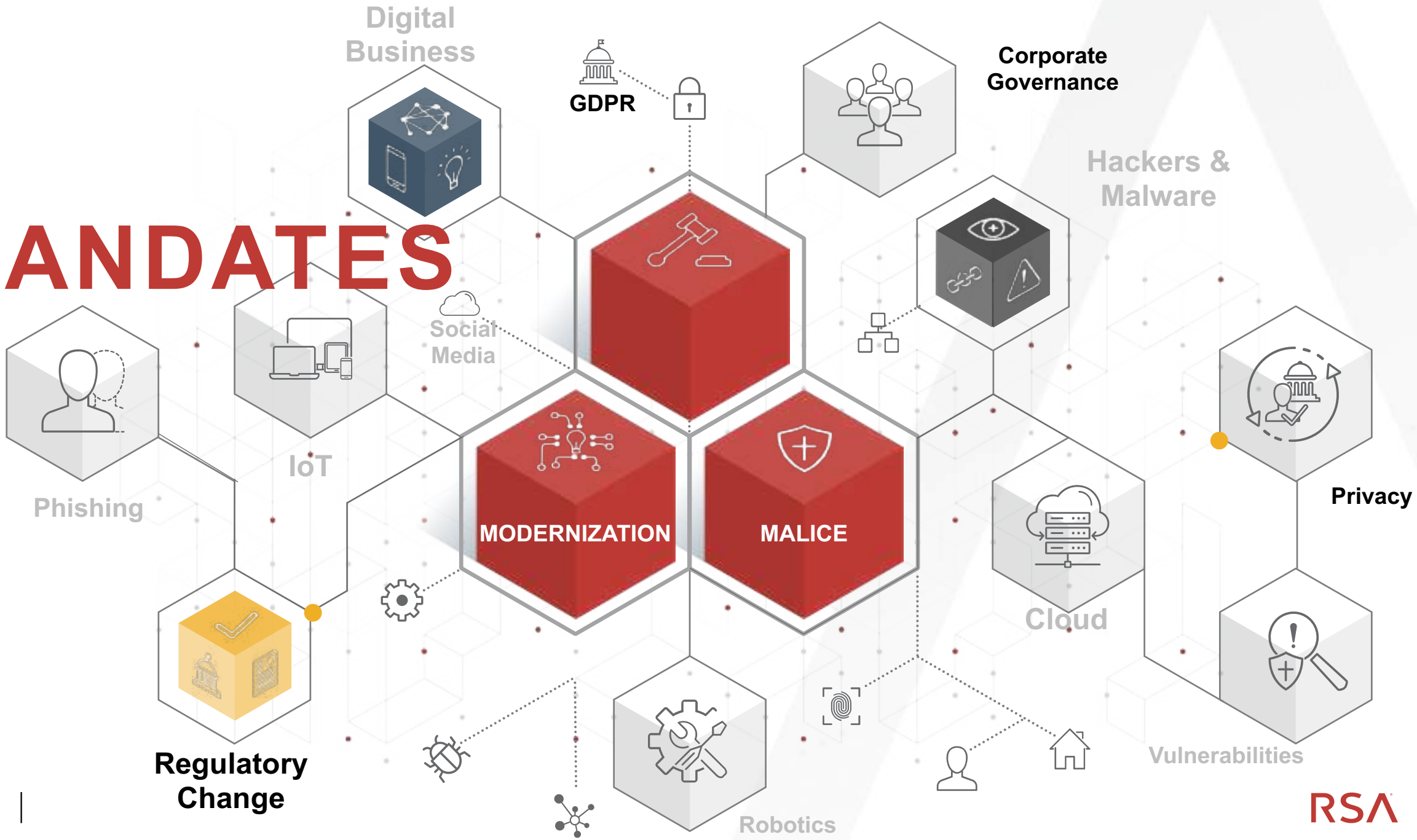
MANDATES



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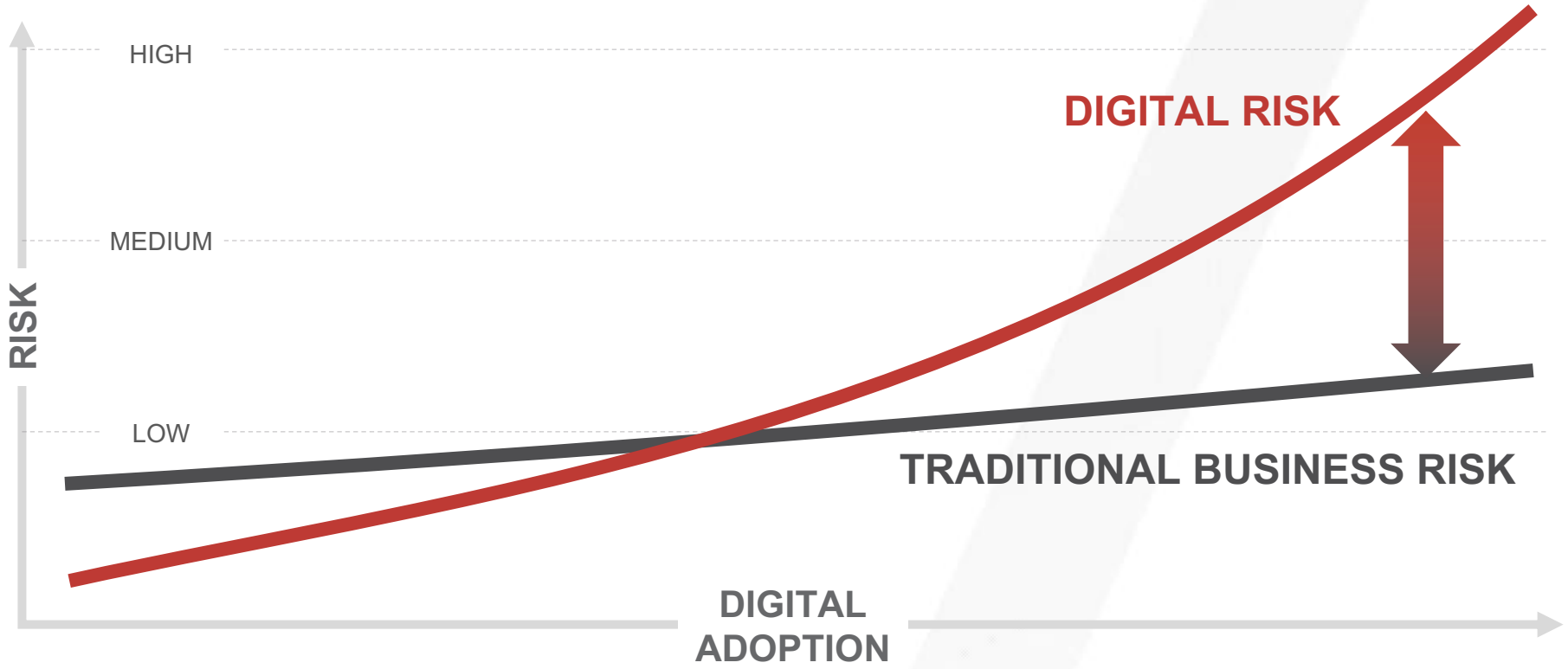
DIGITAL RISK

is the greatest facet of risk
that businesses face…



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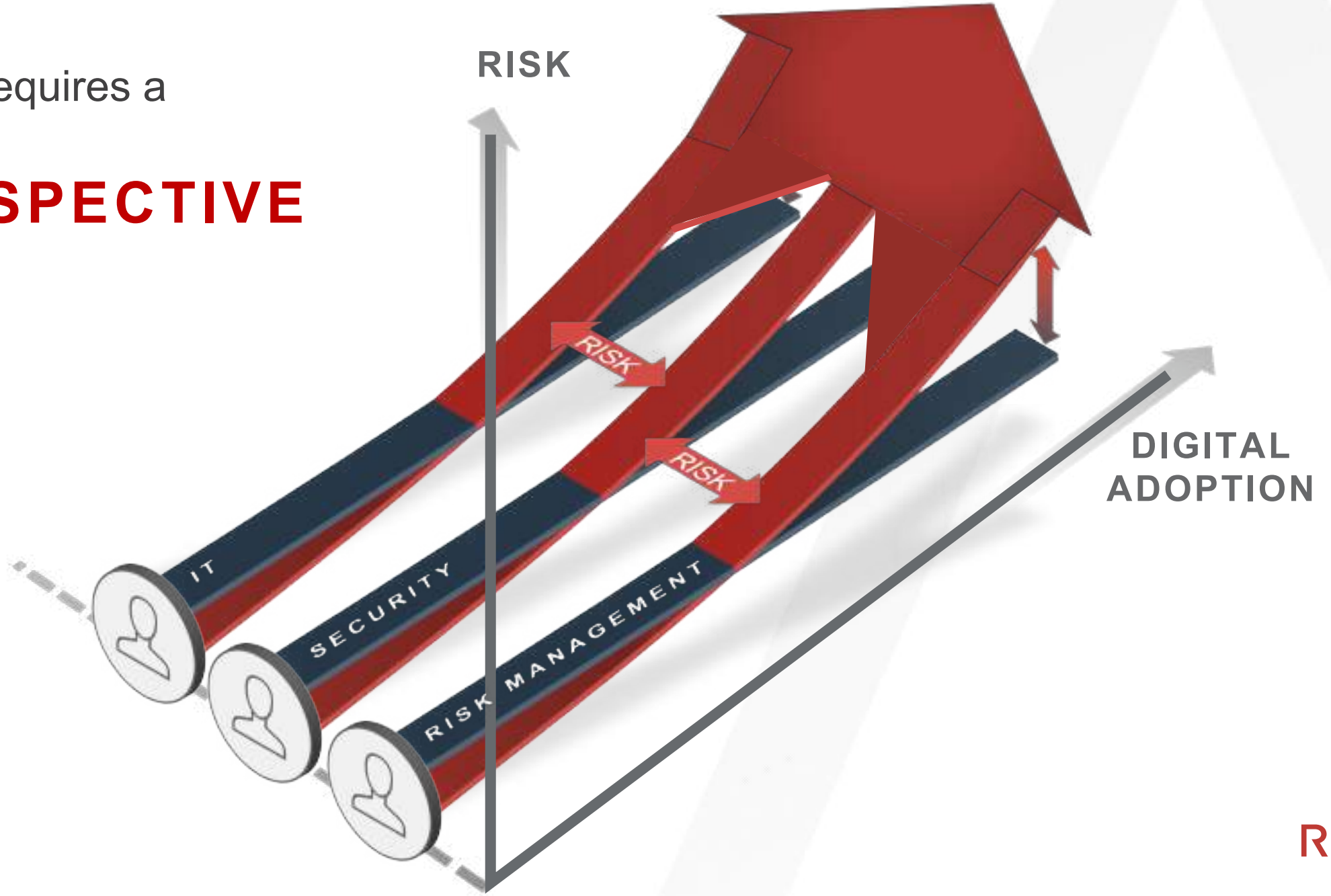
…that requires a

NEW PERSPECTIVE



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SPEED OF DETECTION & RESPONSE IS CRITICAL – A METRIC TO CONSIDER – SOC DECISION AGILITY

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ANOTHER METRIC TO CONSIDER

how much security is enough?…$

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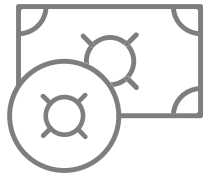
HOW MUCH CYBERSECURITY IS ENOUGH?

COMPLIANCE



INVESTMENTS

CMDB

DMZ

TECH REFRESH

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PROFILING YOUR DIGITAL RISK

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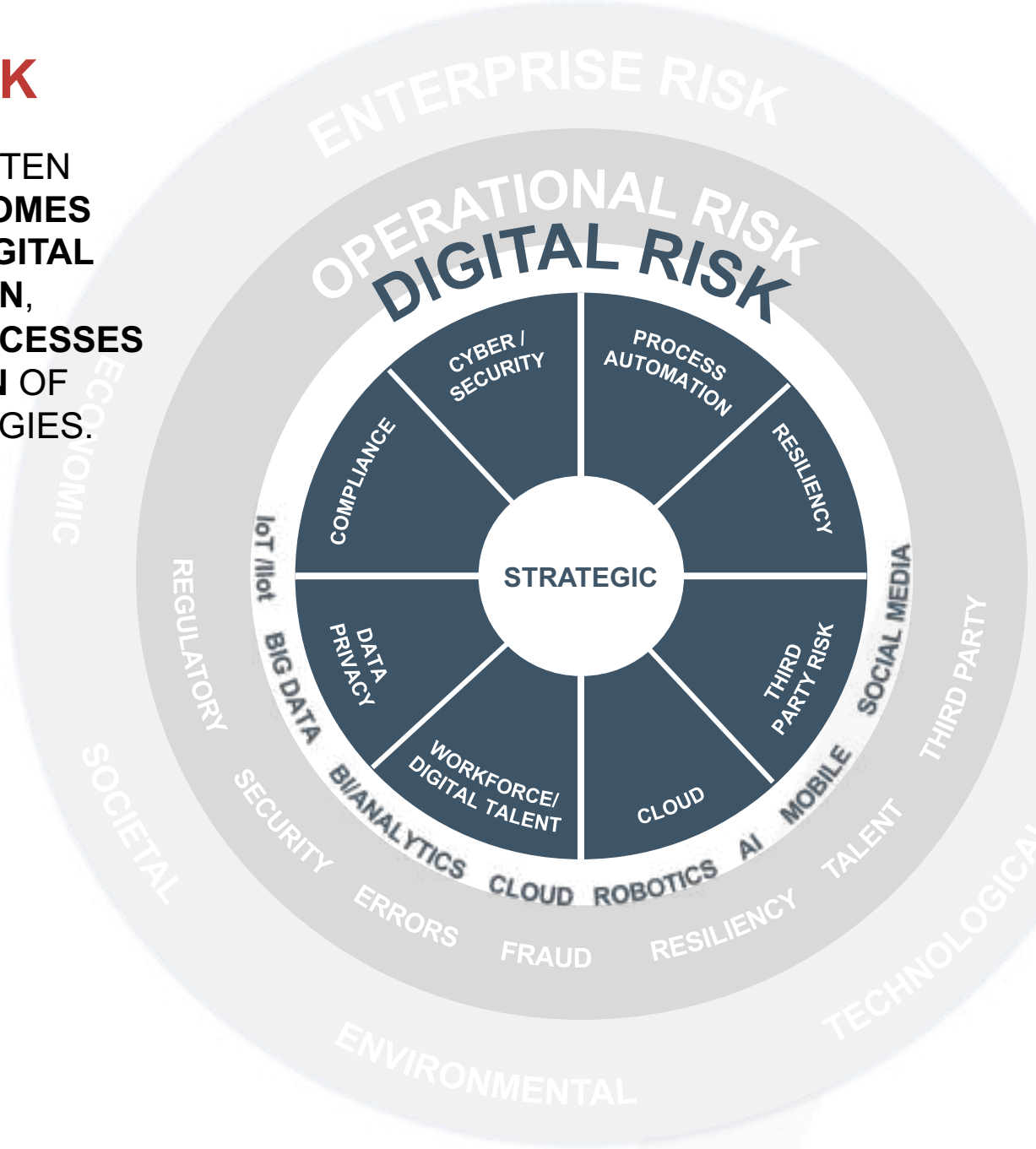
DIGITAL RISK

UNWANTED AND OFTEN UNEXPECTED **OUTCOMES** THAT STEM FROM **DIGITAL TRANSFORMATION**, **DIGITAL BUSINESS PROCESSES** AND THE **ADOPTION** OF RELATED TECHNOLOGIES.



- **Cyber/Security** – risk of cyber attacks
- **Process Automation** – risks related to changes in processes from automation
- **Resiliency** – risk to availability of business operations
- **Third Party Risk** – inherited risk related to external parties
- **Cloud** – risks due to the change in architecture, implementation, deployment, and/or management of cloud operations
- **Workforce/Talent** – risks related to the dynamic nature of today's workforce
- **Data privacy** – risks related to Personal Information
- **Compliance** – risks related to existing and emerging compliance requirements driven by new tech

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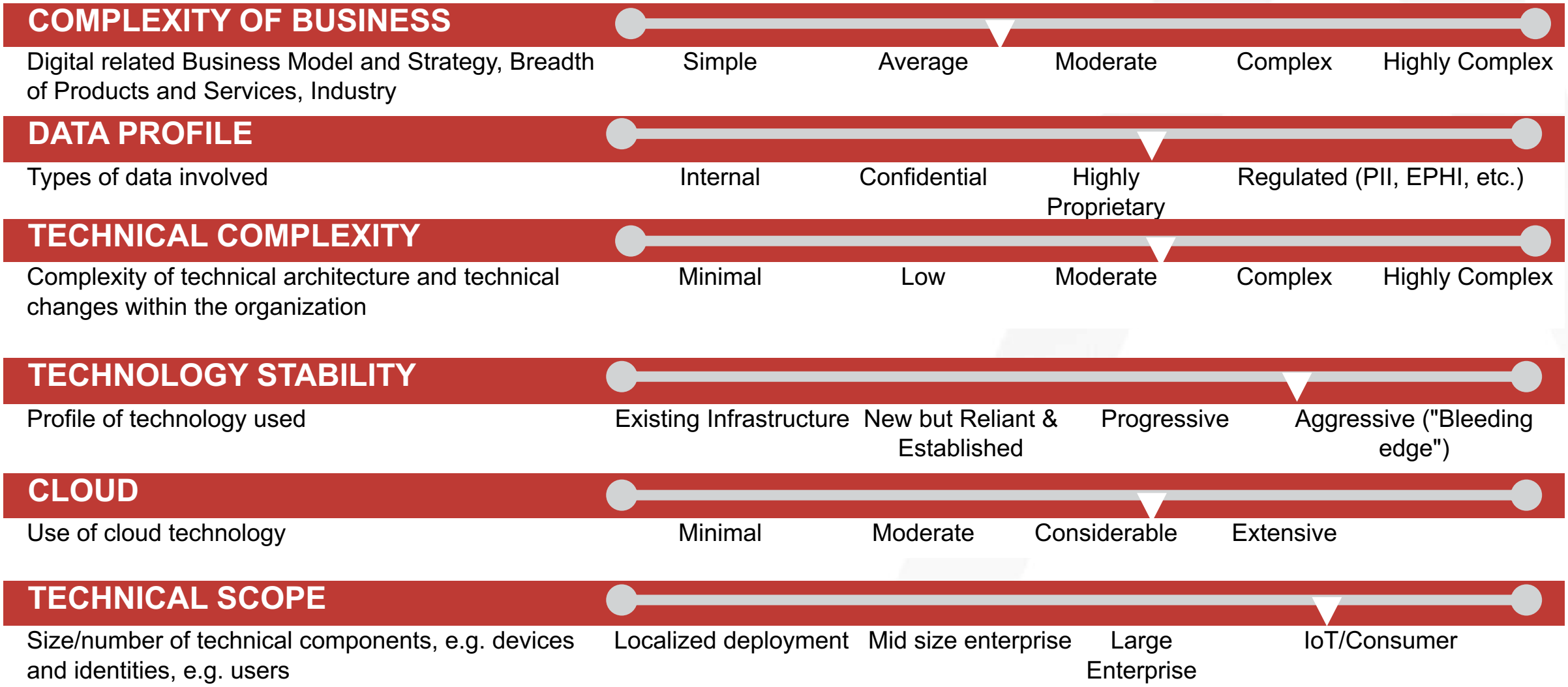
CONTRIBUTING FACTORS

MAJOR CONTRIBUTING FACTORS



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MAJOR CONTRIBUTING FACTORS

GEOGRAPHIC SCOPE

Physical and logical locations including internal, supply chain, service providers and third parties and/or usage by consumers/customers

Single location | Single region | Multiple Regions | Multiple Countries | Large international footprint

COMPLIANCE IMPACT

Scope of regulatory requirements, including privacy, industrial, environmental, labor laws, etc. taking into consideration emerging regulations

Low | Medium Low | Medium | Medium High | High

USE OF EXTERNAL PARTIES

Usage of cloud/third party providers, outsourced IT infrastructure

Minimal | Low | Average | Moderate | High Reliance

RESILIENCY REQUIREMENTS

Requirements for continuity and recovery

Minimal | Moderate | Significant | High

* PHYSICAL/DIGITAL INTERSECTION

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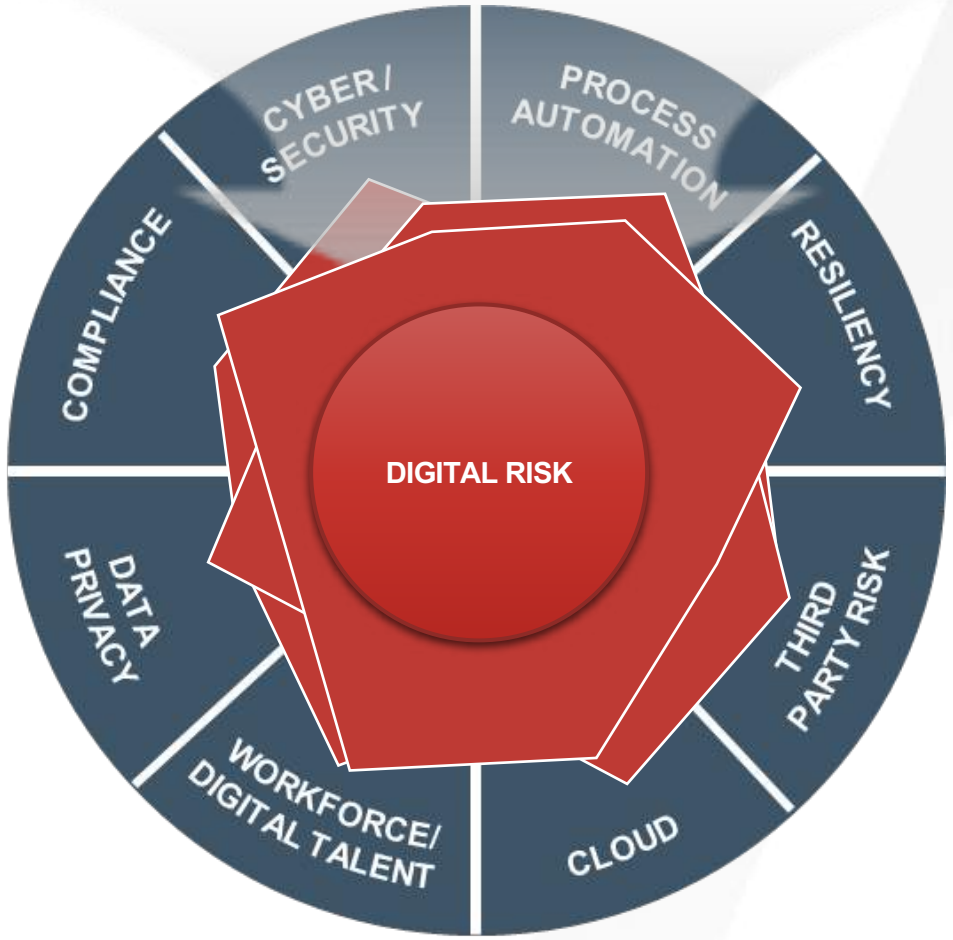
IMPACT OF CONTRIBUTING FACTORS

- COMPLEXITY OF BUSINESS
- DATA PROFILE
- TECHNICAL COMPLEXITY
- TECHNOLOGY STABILITY
- CLOUD
- TECHNICAL SCOPE
- GEOGRAPHIC SCOPE
- COMPLIANCE IMPACT
- USE OF EXTERNAL PARTIES
- RESILIENCY REQUIREMENTS



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DIGITAL OPERATING MODELS

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RISK PROFILES OF DIGITAL OPERATING MODELS

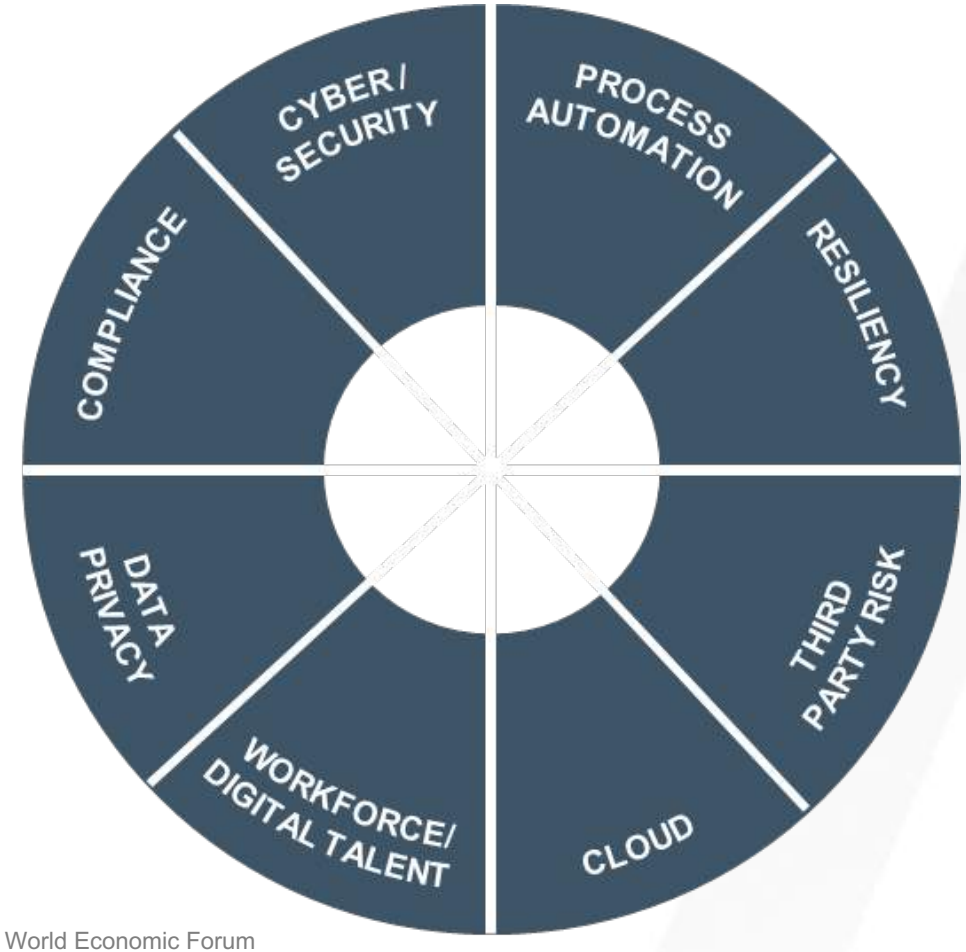
OPEN and LIQUID
Ecosystem based

XTRA FRUGAL
High Efficiency/Low Cost

'SKYNET'
Intensive automation

DATA POWERED
Intensive analytics

CUSTOMER CENTRIC
Front office heavy



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* Digital Operating Models as identified by the World Economic Forum

RISK PROFILE: OPEN AND LIQUID

OPEN and LIQUID *Ecosystem based*	XTRA FRUGAL *High Efficiency/Low Cost*	'SKYNET' *Intensive automation*	DATA POWERED *Intensive analytics*	CUSTOMER CENTRIC *Front office heavy*

CHARACTERISTICS

- Ecosystem of shared goals
- Flow of data between parties
- Collaboration; Crowd sourcing
- 'Shared' customer

RISK PROFILE

- 3rd Party
- Data privacy
- Cybersecurity
- Resiliency
- Compliance (depends on the data)

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* Digital Operating Models as identified by the World Economic Forum

RISK PROFILE: XTRA FRUGAL

OPEN and LIQUID	**XTRA FRUGAL**	'SKYNET'	DATA POWERED	CUSTOMER CENTRIC
Ecosystem based	*High Efficiency/Low Cost*	*Intensive automation*	*Intensive analytics*	*Front office heavy*

CHARACTERISTICS

- Centralization, low costs, standardized models
- Process optimization
- 'Less is more'

RISK PROFILE

- Process automation
- Resiliency
- Cloud
- Workforce
- 3rd Party

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* Digital Operating Models as identified by the World Economic Forum

RISK PROFILE: ‘SKYNET’

OPEN and LIQUID	XTRA FRUGAL	‘SKYNET’	DATA POWERED	CUSTOMER CENTRIC
Ecosystem based	*High Efficiency/Low Cost*	*Intensive automation*	*Intensive analytics*	*Front office heavy*

CHARACTERISTICS

- Use of machines to increase productivity
- Heavy manufacturing
- Automation and ‘engineer’ driven

RISK PROFILE

- Process Automation
- Cybersecurity
- Resiliency

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* Digital Operating Models as identified by the World Economic Forum

RISK PROFILE: DATA POWERED

OPEN and LIQUID	XTRA FRUGAL	'SKYNET'	DATA POWERED	CUSTOMER CENTRIC
Ecosystem based	*High Efficiency/Low Cost*	*Intensive automation*	*Intensive analytics*	*Front office heavy*

CHARACTERISTICS

- Heavy analytics
- Computational models
- Data lakes, streams and rivers
- Agile
- Gather, learn, adjust

RISK PROFILE

- Data privacy
- Cybersecurity
- Compliance

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* Digital Operating Models as identified by the World Economic Forum

RISK PROFILE: CUSTOMER CENTRIC

OPEN and LIQUID	XTRA FRUGAL	'SKYNET'	DATA POWERED	CUSTOMER CENTRIC
Ecosystem based	*High Efficiency/Low Cost*	*Intensive automation*	*Intensive analytics*	*Front office heavy*

CHARACTERISTICS

- Front office oriented
- Decentralized
- Customer first enablement
- Value driven

RISK PROFILE

- Data privacy
- Cybersecurity
- Resiliency
- Compliance

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GETTING STARTED

A PHASED APPROACH TO DIGITAL RISK MANAGEMENT

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CEO / BOARD

ENABLE INNOVATION & AGILITY	BUILD TRUST	DEFEND the ECOSYSTEM	ENSURE RESILIENCY

MODERNIZATION **MALICE** **MANDATES**

IT

SECURITY

RISK MANAGEMENT

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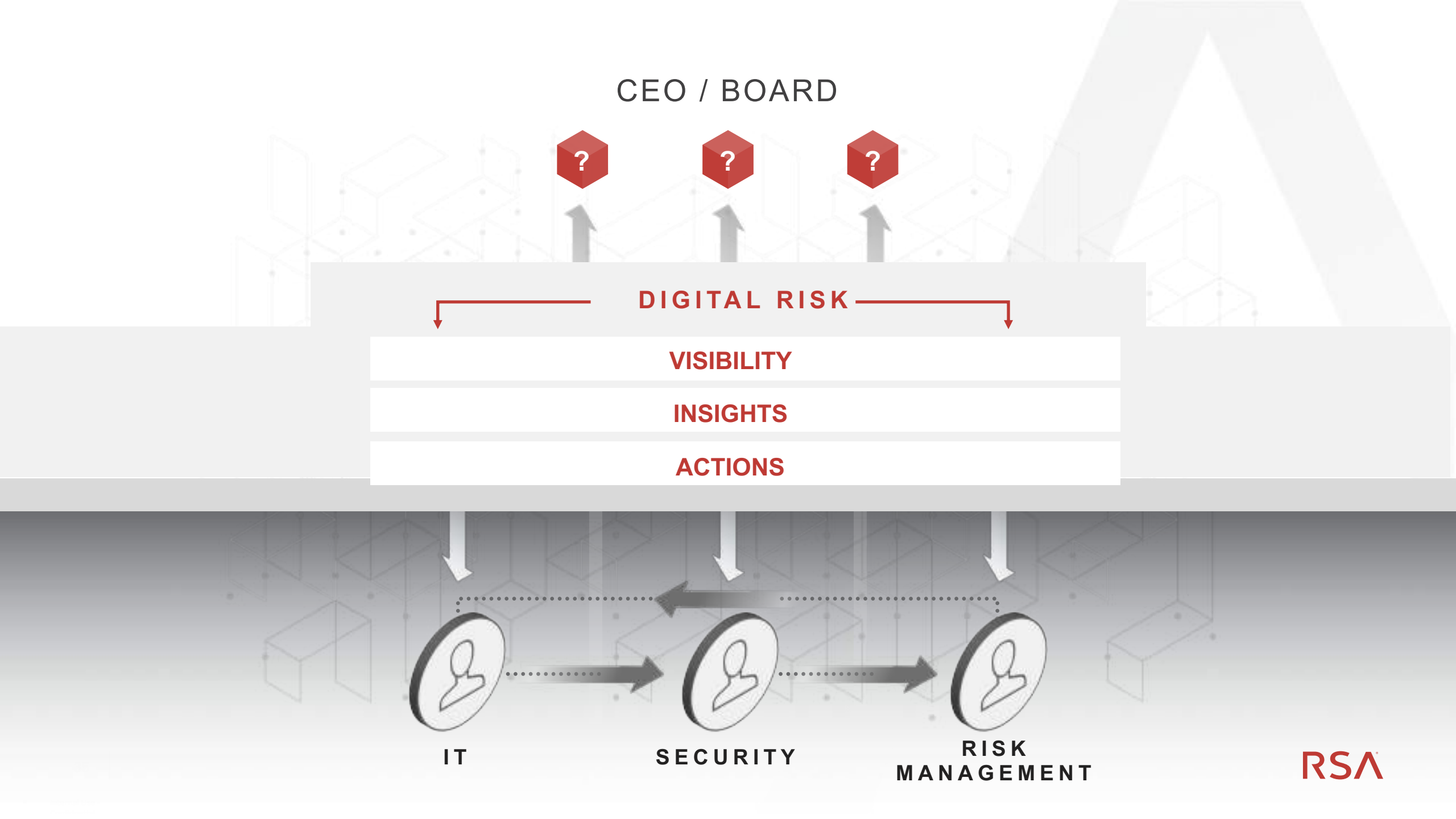
CEO / BOARD
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DIGITAL RISK
VISIBILITY
INSIGHTS
ACTIONS
IT
SECURITY
RISK MANAGEMENT

CLOSING THOUGHTS

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