

# Managing and Mitigating Digital Risk

Ilkka Kivela, Managing Director, Protiviti Middle East

protiviti®  
Face the Future with Confidence

# PROTIVITI GLOBAL STUDY FOR TOP RISKS 2018

	Rank	Risk Issue	YOY Trend	
	1	Rapid speed of disruptive innovations and new technologies		

	Rank	Risk Issue	YOY Trend	
	3	Cyber threats		

Source: Protiviti - Executive Perspectives on Top Risks for 2018 and 2019

# PROTIVITI GLOBAL STUDY FOR TOP RISKS 2019

	Rank	Risk Issue	YOY Trend 
	1	Existing operations meeting performance expectations, competing against “born digital” firms	

	Rank	Risk Issue	YOY Trend 
	4	Cyber threats	

Source: Protiviti - Executive Perspectives on Top Risks for 2018 and 2019

# CONSIDER THIS



**\$30.8bn** in 24 hours

**85s** for 1<sup>st</sup> billion

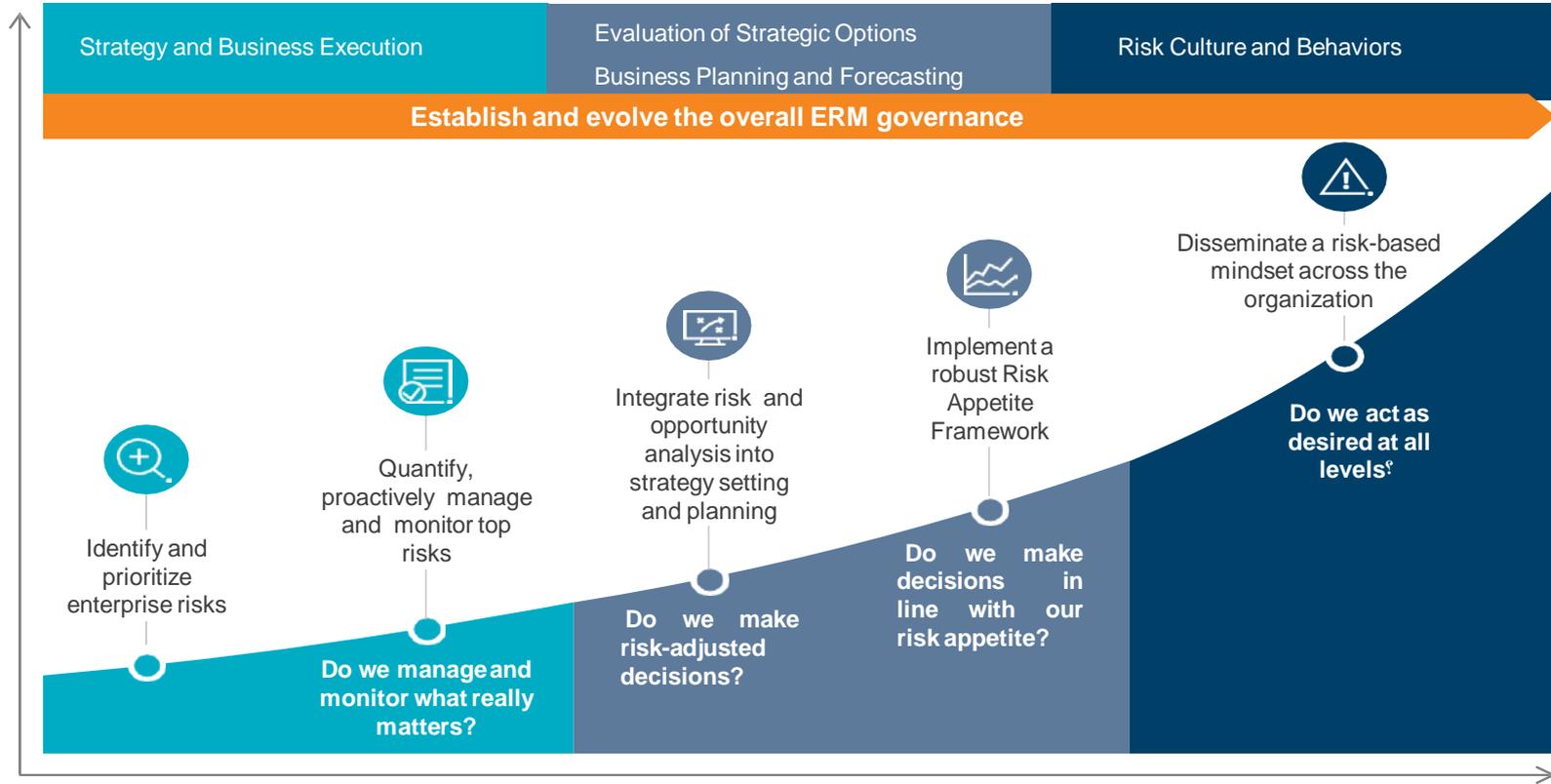
**9m** queries

**57bn** recommendations

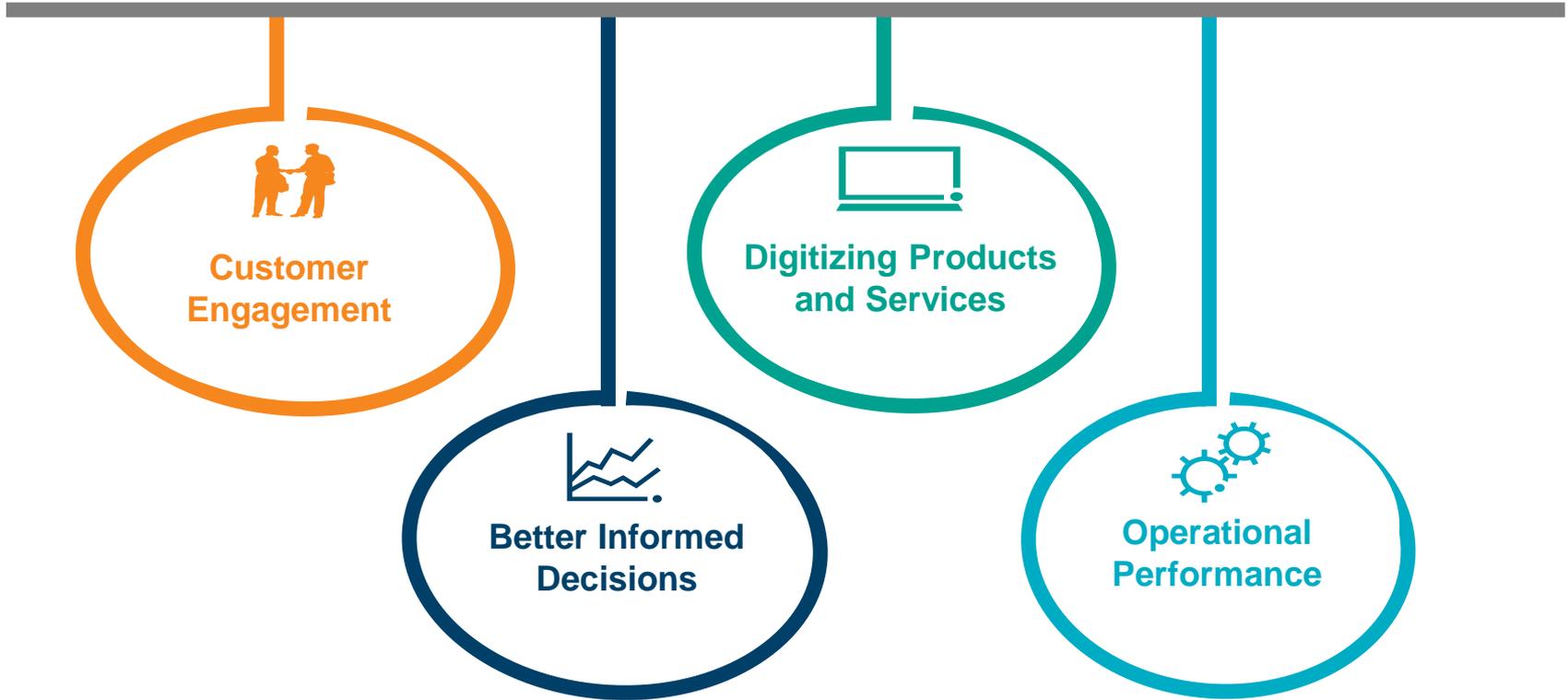
Marriott International says that a breach of its guest reservation database exposed the personal information of up to **500 million** people



# TRADITIONALLY ERM IS A PHASED JOURNEY...



# ...DIGITAL TRANSFORMATION IS ALSO A JOURNEY



# ... WHICH COMES WITH POTENTIAL COLLATERAL DAMAGE

**NUMBER OF EXTERNAL TOUCHPOINTS**

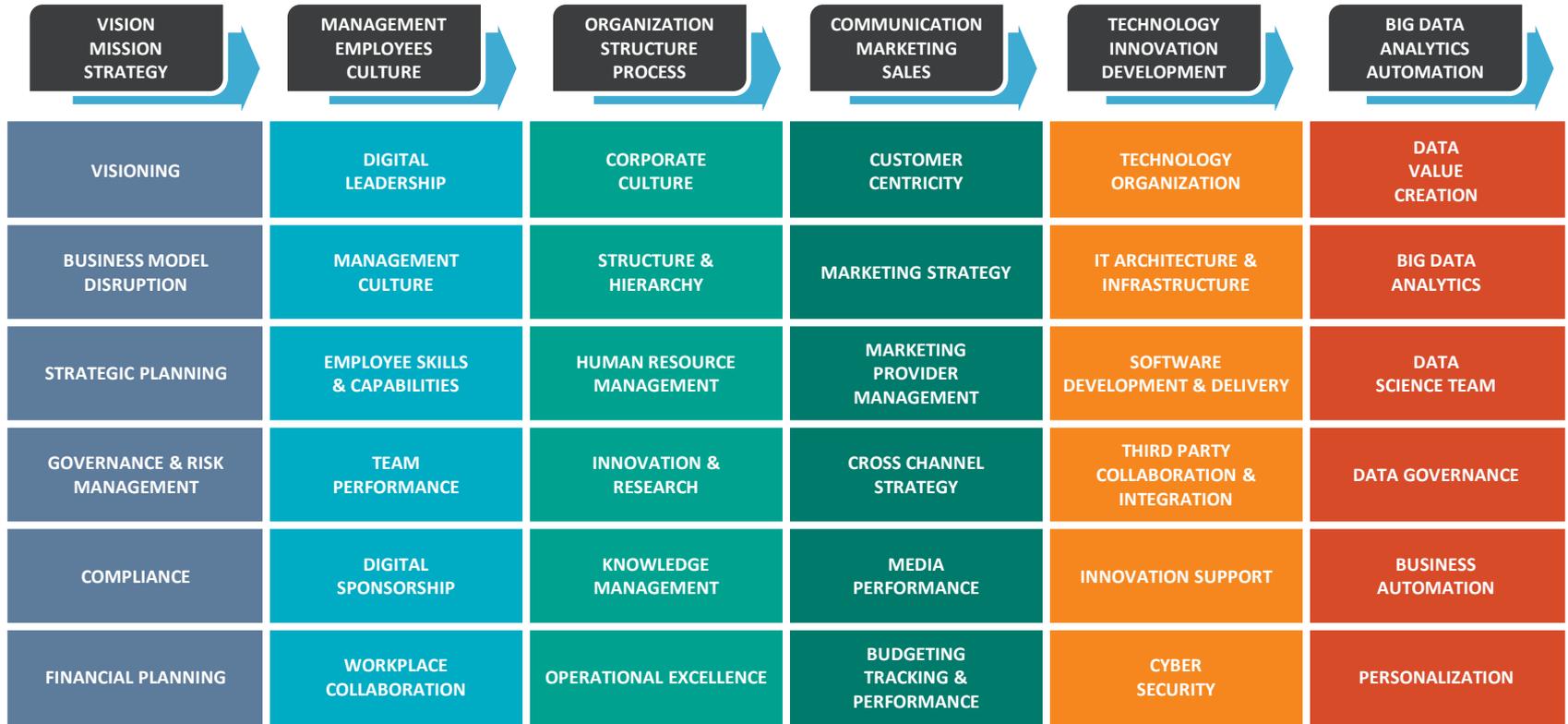
**DATA EXPLOSION**

**LEVEL OF AUTOMATION**

**COMPLEXITY OF DECISION MAKING**

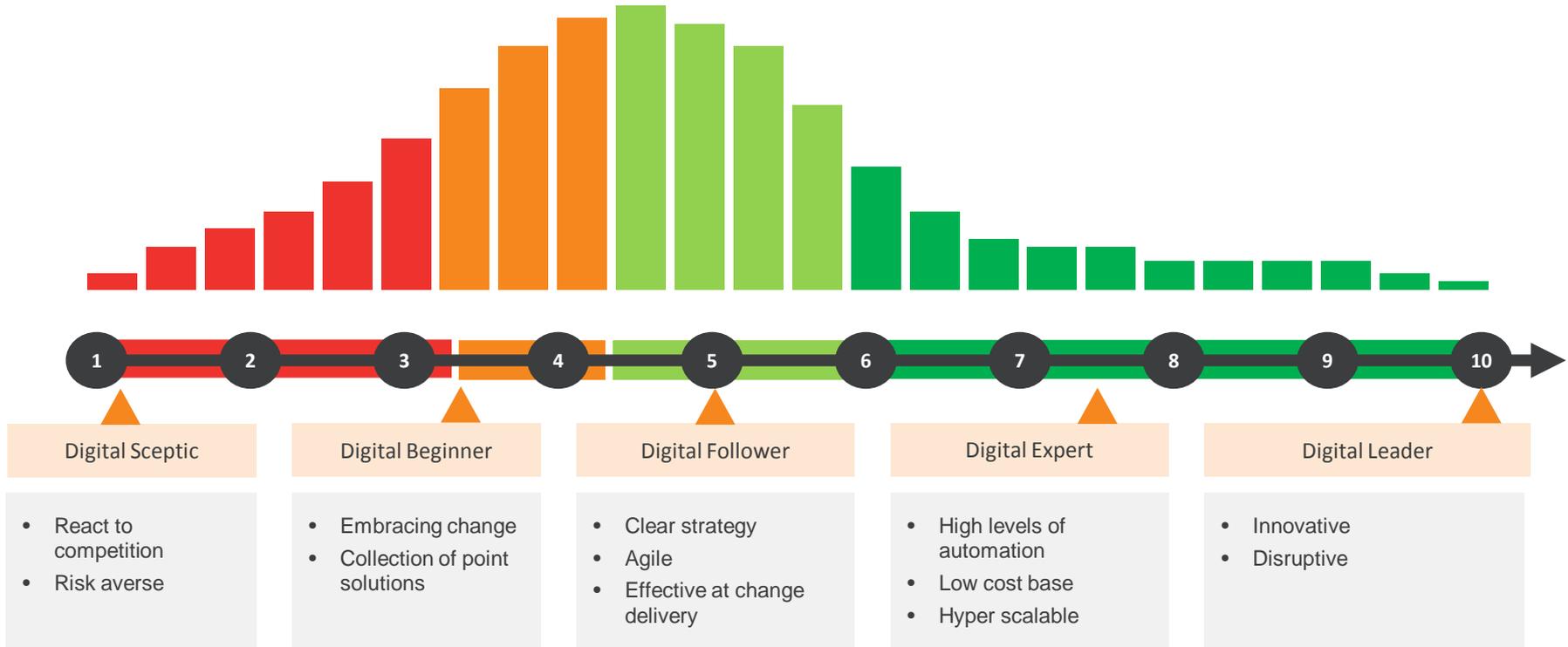
**SPEED OF DEVELOPMENT**

# DIGITAL MATURITY AND RISK SHOULD BE ASSESSED



# DIGITAL MATURITY SCALE

## MATURITY LEVELS



# LEADERS IN RISK MANAGEMENT

Understand **risk and reward are linked**

**Embrace risk** to achieve growth potential.

The risk function is as **innovative** as other parts of the business

Risk identification and monitoring is **data driven**, drawing on feeds from a diverse range of sources

**Statistical techniques** provides the business with a view on the probabilities of certain outcomes



# KEY TAKEAWAYS

1

Inactivity is Dangerous.  
The speed of change will only  
increase.

2

Digital risk is real –  
Understand your current status  
and implement changes to ERM  
as needed.

3

Don't just focus on  
technology risk; people,  
processes and culture are  
key.