

# 創造具競爭力的企業

## 運用數碼轉化和數據分析提升商業決策

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# My Personal Profile

- 以諾顧問亞洲有限公司創辦人及首席策略師
- 日本 Ginza West (Hong Kong) 合夥人及香港辦事處代表
- Skytree Investment 合夥人及董事
- Snapask Japan 合夥人
- 陳宇琛工作室合夥人
- 香港大學經濟及工商管理學院客席助理教授 (商業)
- 香港大學文學院名譽助理教授 (全球創意產業)
- 日本岡山县立大學客席教授
- 理工大學文學院客席助理教授 (中文及雙語)
- 香港大學專業進修學院協理客席教授
- 數碼化聯盟 (Digital Transformation Alliance) 創會會長
- 美國 CMO (Chief Marketing Officer) Council 學術聯絡委員
- Professional Mentor Team, 海闊天空創投

# ***What is Digital Transformation***

# Digital Transformation

*Digital transformation involves using digital means to make fundamental changes in how business is conducted in order to help cope with shifts in market environment*

*This business management approach is widely used to increase revenue or market share, improve customer satisfaction, enhance efficiency and cut costs*

# ***Explore Digital Transformation***

***“One key to surviving in a world of disruption, where the external environment is changing at lightning speed, is to change the game internally.”***

***- John Kotter***

# 5 Myths of Digital Transformation

*Digital Transformation is something too new for me to learn*

*Digital Transformation is the same as Digital Marketing*

*Not every industry / business needs to go through Digital Transformation*

*Only large corporations have resources to implement Digital Transformation*

*Technology deployment is the core of Digital Transformation*

# How Quick Your Industry will be Transformed is Decided by

*Industry Lifecycle*

*Technology Readiness*

*User Behavior  
Willingness to  
Change*

*Compatibleness  
to Traditional  
Approach*

*Advantages  
over Traditional  
Approach*

*Capital and  
Resources  
Required*



# Nobody can Resist the Change...

**Walkman -> MP3 -> Digital Music**

**Printed Newspaper -> Online Newspaper -> Digital Media**

**Printed books -> eBooks**

*The most important is whether you have  
the persistence and drive to achieve Digital Transformation*

**Traditional TV -> Cable TV -> Digital TV -> Digital Media**

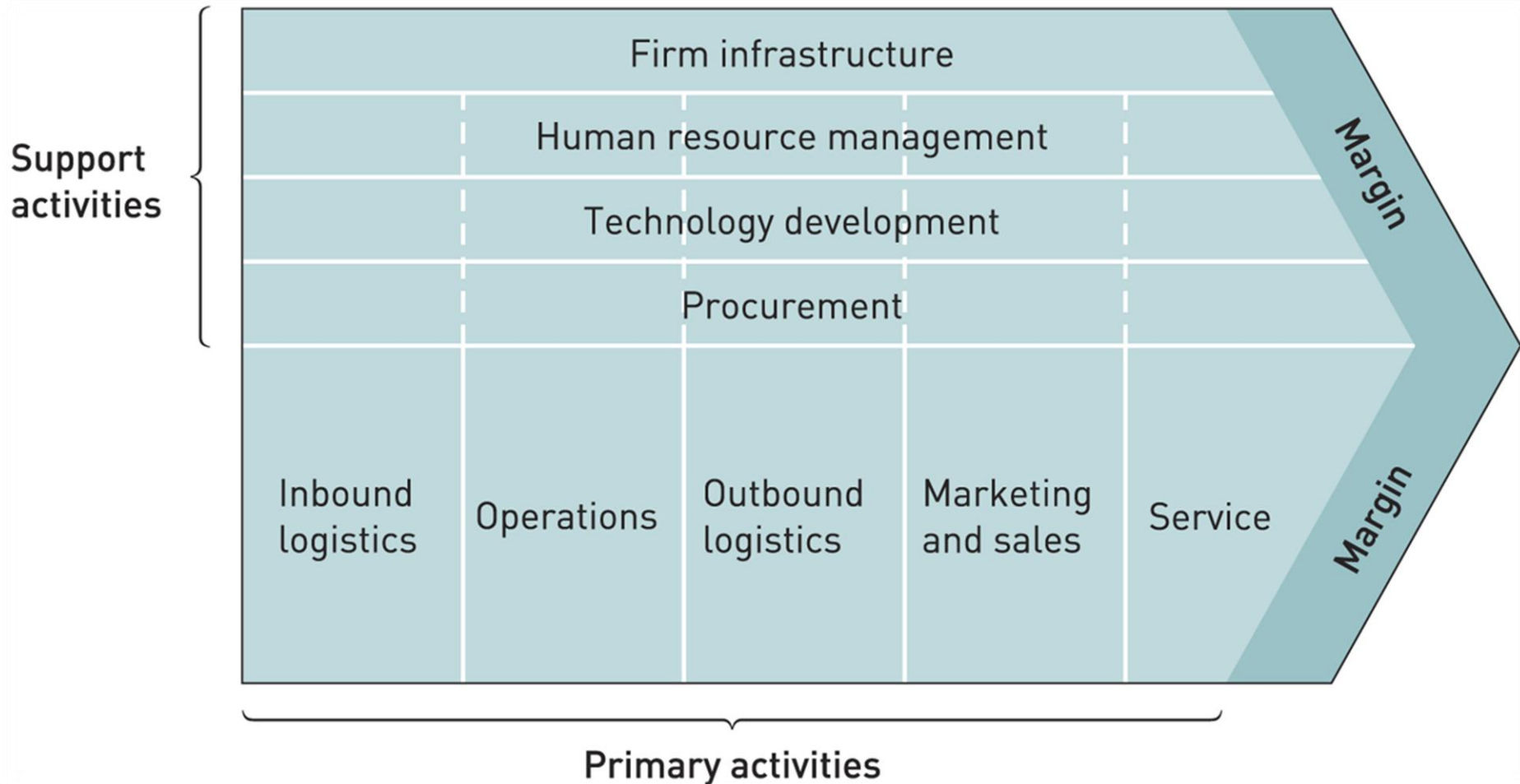
**Call Taxi -> Taxi App -> Uber**

**Hotel Booking via Agency -> Online Booking -> AirBnB**

# Major Obstacles

- In a cross-industry survey by McKinsey & Company, structural and cultural issues pose the biggest challenges to digital success
  - *Difficulty finding talent (functional and technical)*
  - *Organization structure not designed appropriately for digital*
  - *Business processes too inflexible for new opportunities*
  - *Quality data and analytics to inform business decisions lacking*

# Organizational Functions to be Transformed



# May be You Will Say Only Big Corporations Can Implement DT

- *Yes, there are some large corporations such as Amazon that have implemented or are implementing DT successfully*
- *But there are also SMEs that have implemented DT successfully*
- *Industry Case Sharing*

# ***Digital Integrated Organization (DIO) and Digital Analytics for Business Decision Making***

# Design and Implement DIO Strategy

## Define Digital Strategy

- Major objectives, functions to be transformed

## Execute throughout Organization

- Features & capabilities, process and system, customer interaction, digital champion

## Evaluation Mechanism

- Measurement tools, monitoring parameters

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# Major Digital Strategy Objectives

## Financial Perspective

- Sales, profit, market share, ROI, cost reduction

## Marketing Perspective

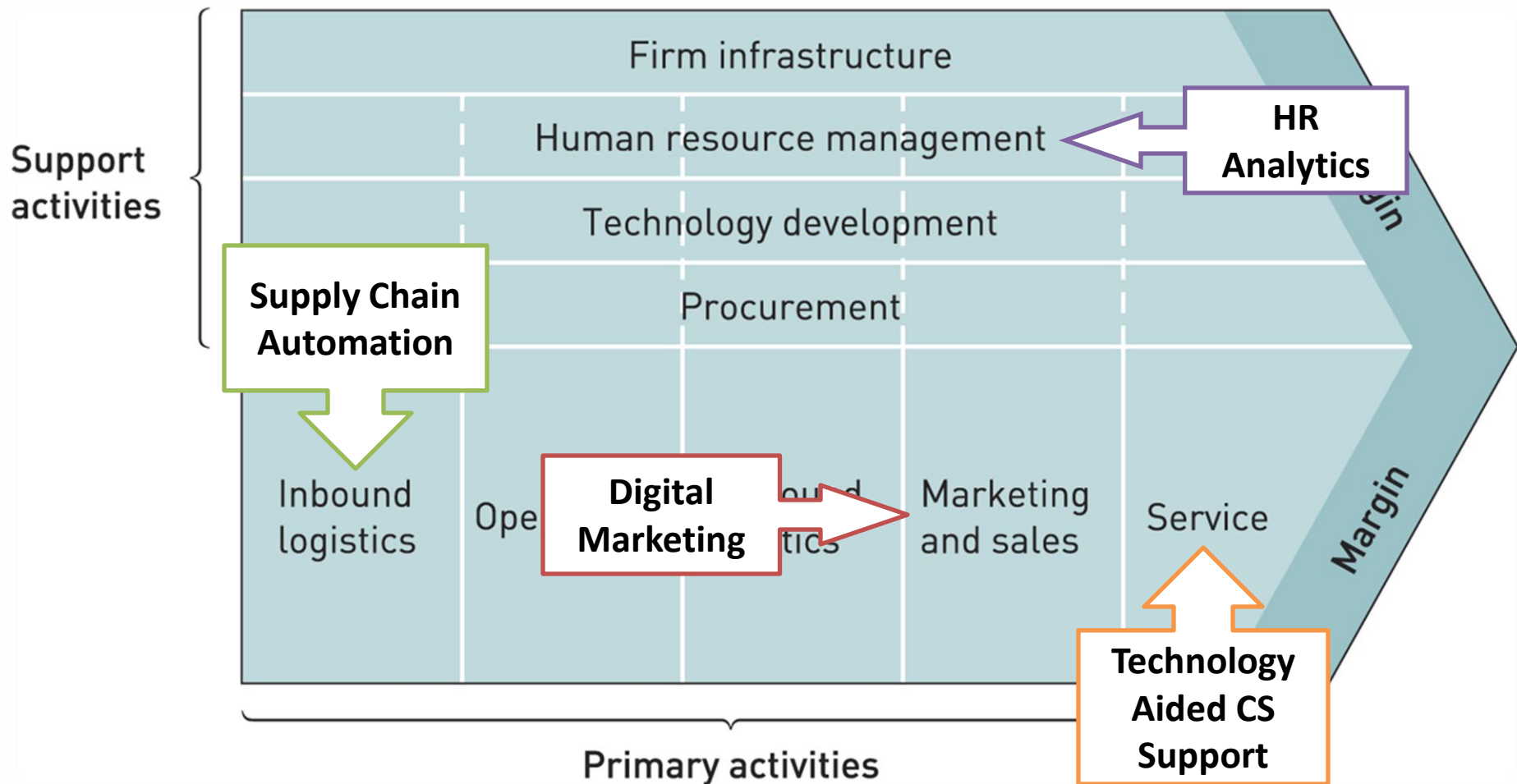
- Brand awareness, customer perception, customer satisfaction, churn rate, external stakeholders relationship

## HR and Administration Perspective

- Employee productivity, internal stakeholders relationship, office automation



# Examples of Organizational Functions That Can be Transformed



# Design and Implement DIO Strategy

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# Examples of Digital Features and Process

## Human Resources Function

- Performance monitoring and review via digital analytics
- Recruitment / selection using LinkedIn and other digital platforms

## Sales and Marketing Function

- Digital marketing research, exposure / awareness and sales lead via SEO, SEM, social media, mobile media / app, etc.
- Digital PR via social media and KOL

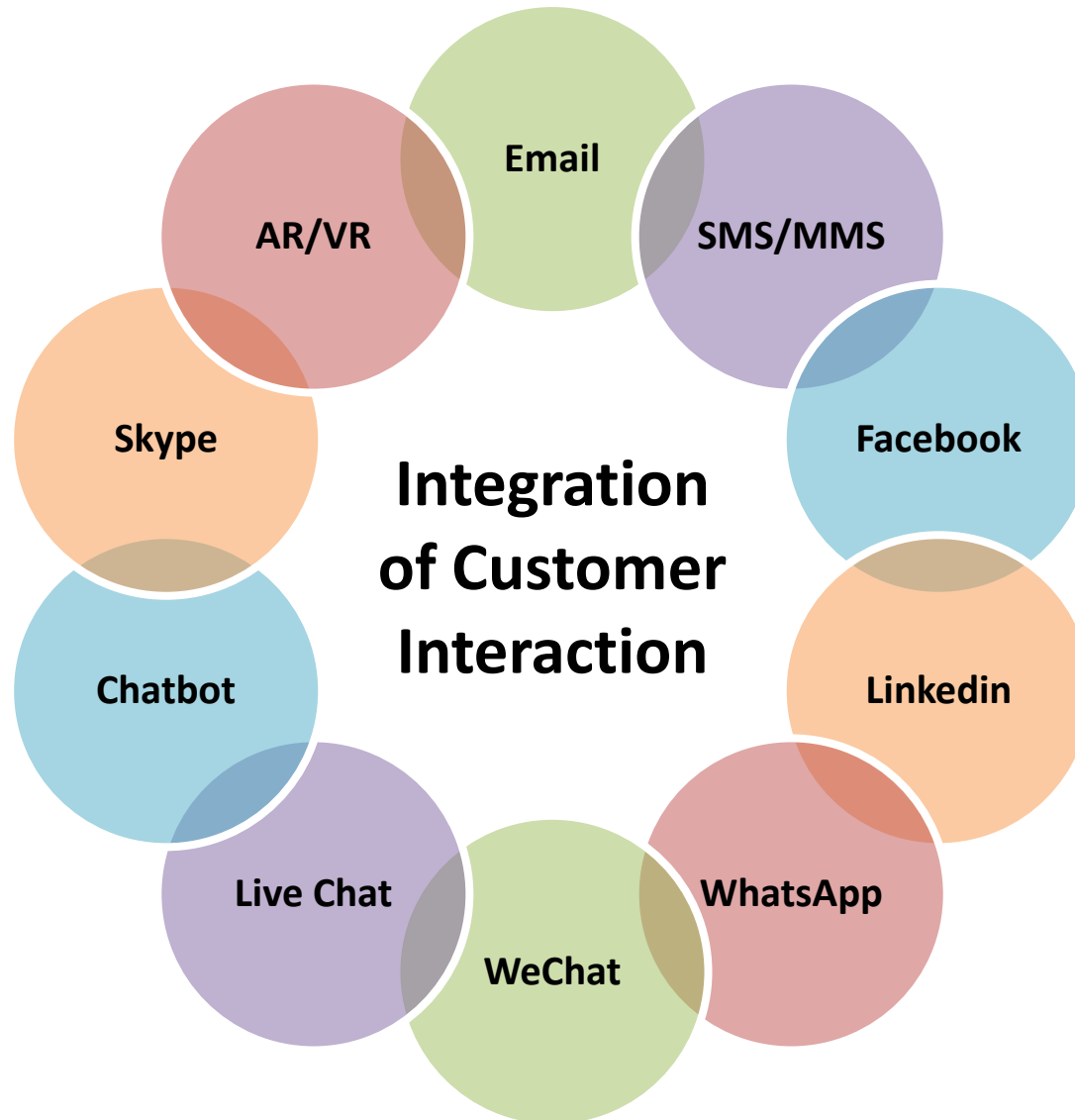
## Customer Service Function

- Response to customer enquiry via AI, chatbot, live chat, social media platforms and potentially AR / VR
- Build and share knowledge via real time tools / databases

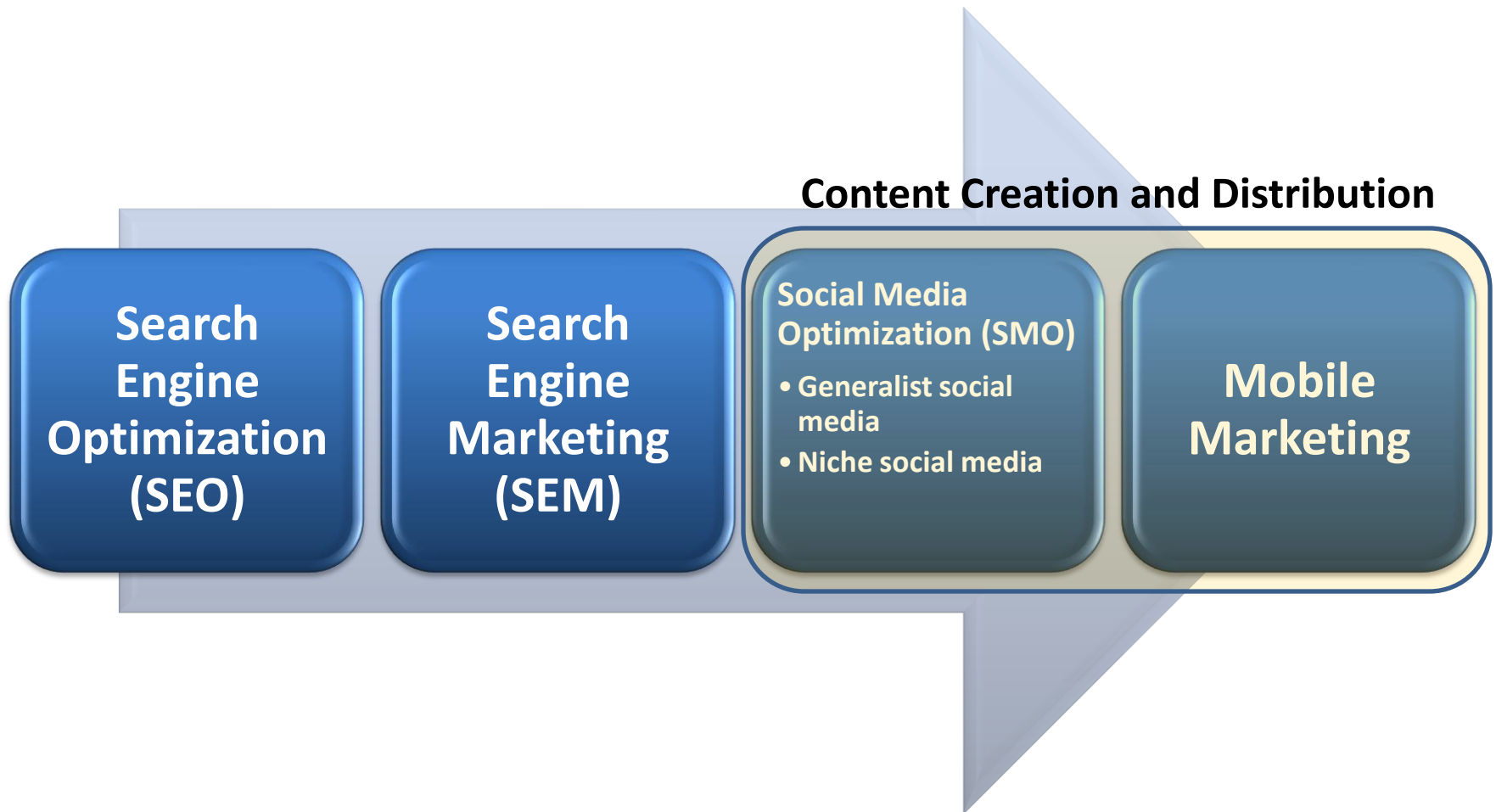
## IT Function

- Monitor, collect and display data via right analytical tools
- Data analytics support to different functions

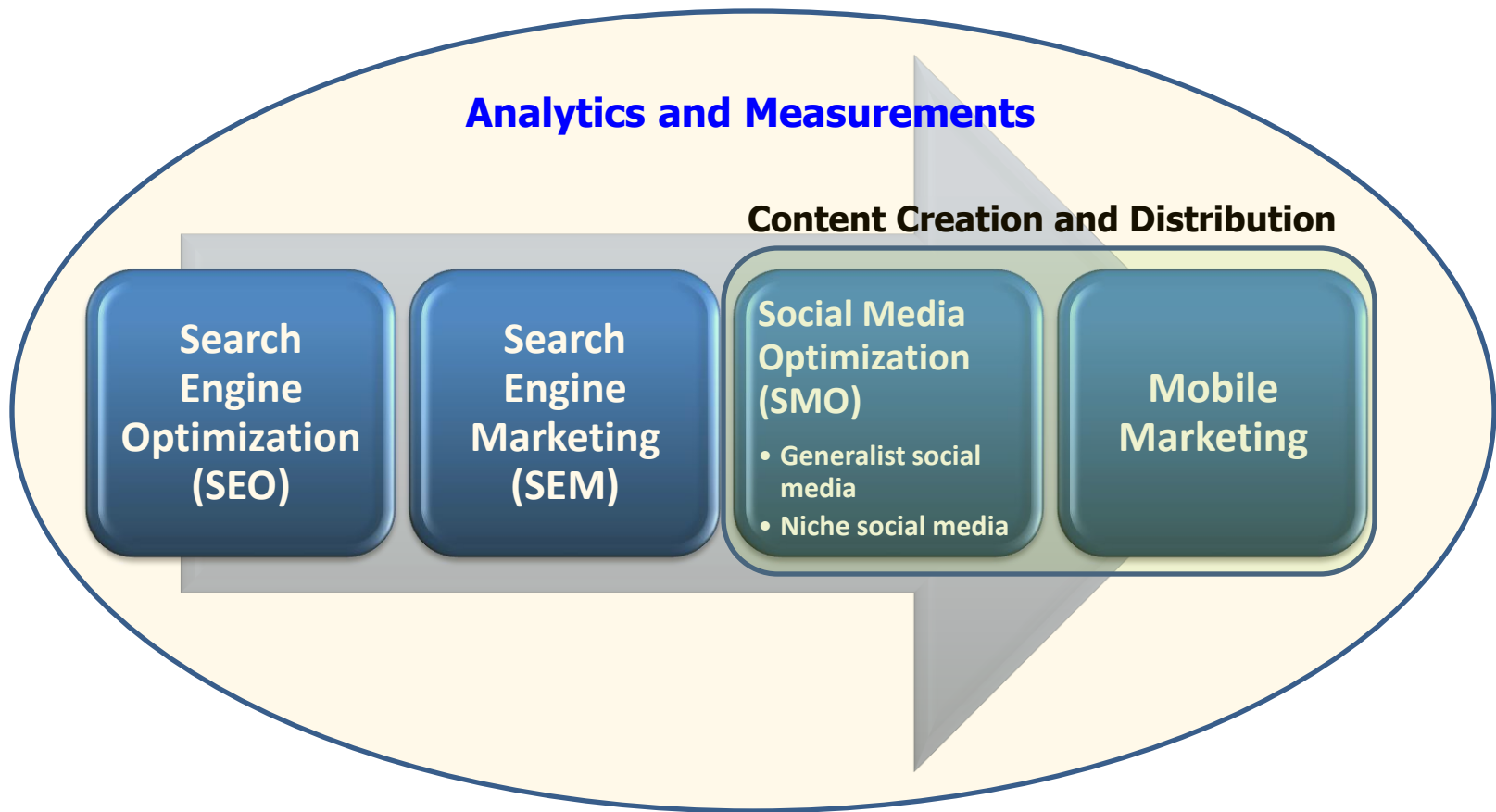
# Examples of Digital Transformation on CS Function



# Examples of Digital Transformation on Sales and Marketing Function



# Digital Integration between S&M and IT Functions



# Digital Integrated Organization (DIO)

## Digital Integrated Organization (DIO)

### Analytics and Measurements

### Content Creation and Distribution

Search  
Engine  
Optimization  
(SEO)

Search  
Engine  
Marketing  
(SEM)

Social Media  
Optimization  
(SMO)

- Generalist social media
- Niche social media

Mobile  
Marketing

# Roles and Functions of Digital Champion

## Digital Technologies

Digital Culture, Mindset  
and Competence

Digital Innovation  
Unit (DIU)

Sales



Marketing



Customer Service



Human Resources



Information  
Technology



Administration  
& Finance



Manufacturing



Procurement



Digital Champion / Integrator



# Design and Implement DIO Strategy

## Define Digital Strategy

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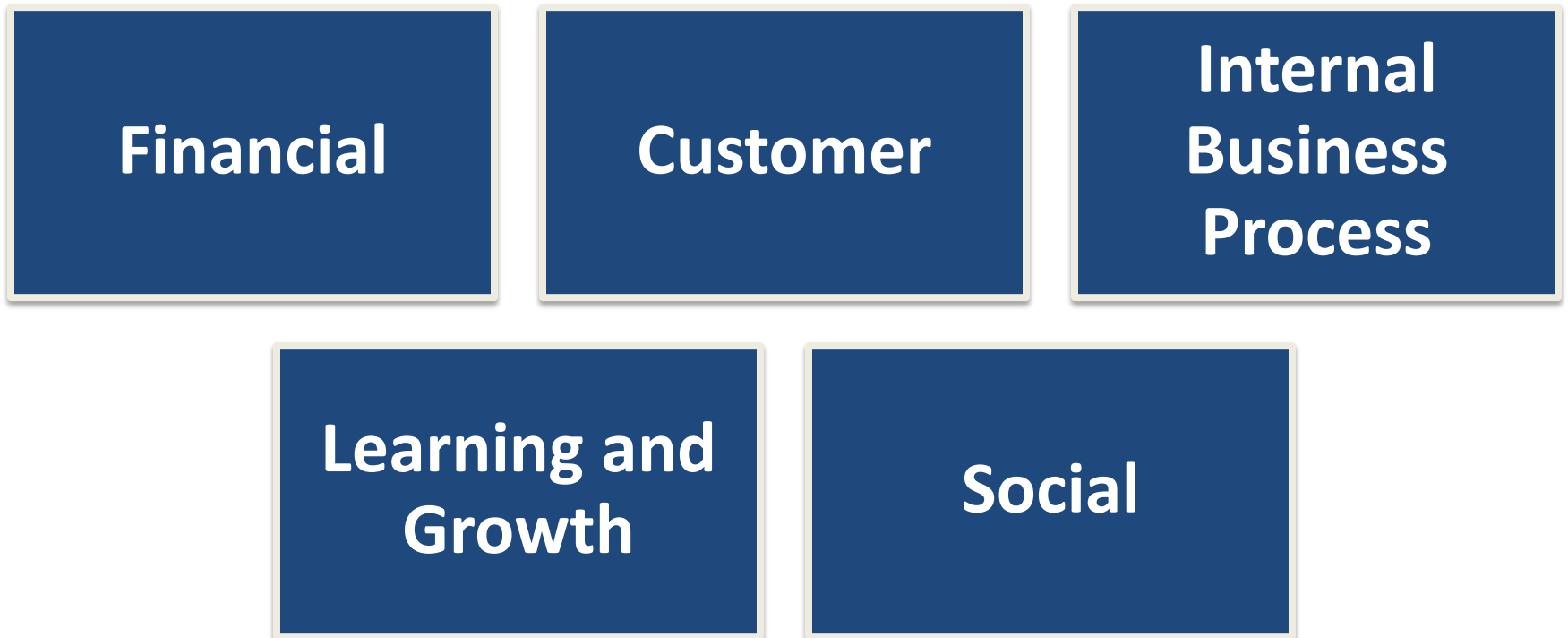
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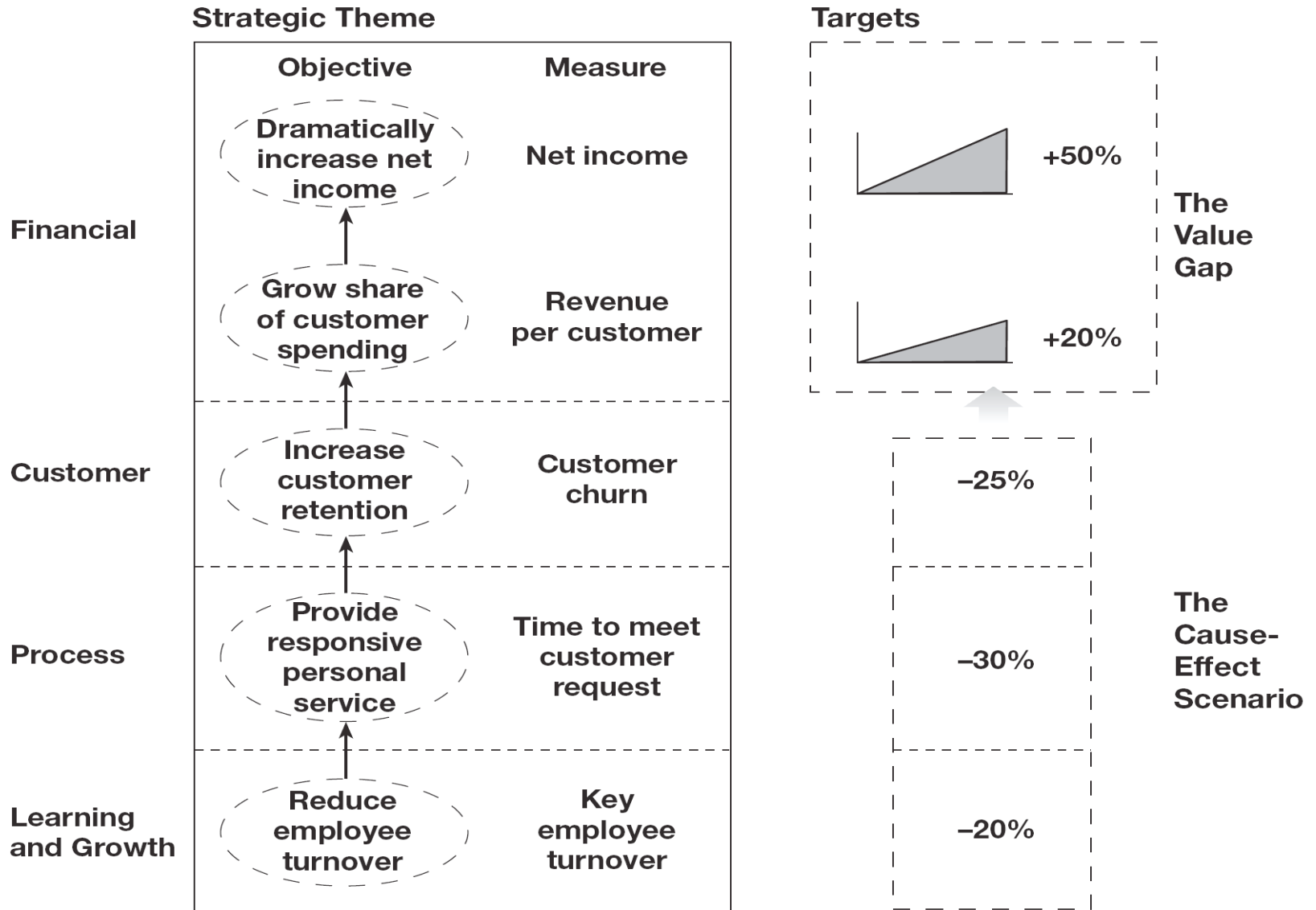
- **Measurement tools, monitoring parameters**

# Digital Transformation KPIs and Digital Balanced Scorecard

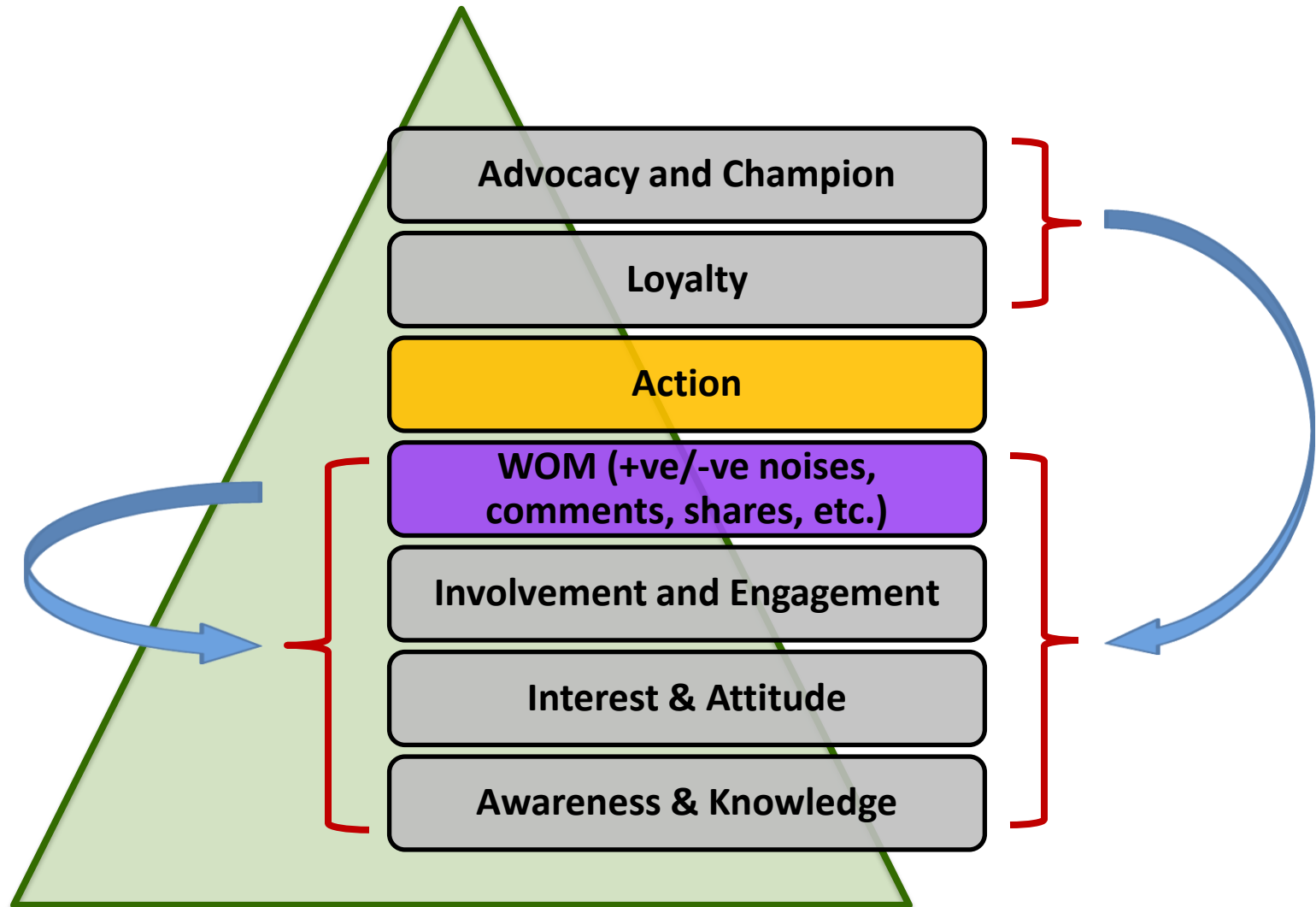


\*Source: Digital Balanced Scorecard by Baniel Cheung (2016), adapted from Balanced Scorecard

# Establishing targets based on cause-effect scenarios



# Analytical Measurement Model for Digital Marketing



\*Source: Digital Marketing Strategy by Baniel Cheung & Jeffrey Chu (2018)

# Digital Marketing Key Performance Indicators

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## Campaign Performance Metrics

- Impressions, likes, comments, shares, clicks, sales leads, access duration
- Effective engagement = (no. of like + comment + share) / no. of post
- Diffusion depth and speed, lifespan of effectiveness
- Level / amount of interaction, customer sentiment

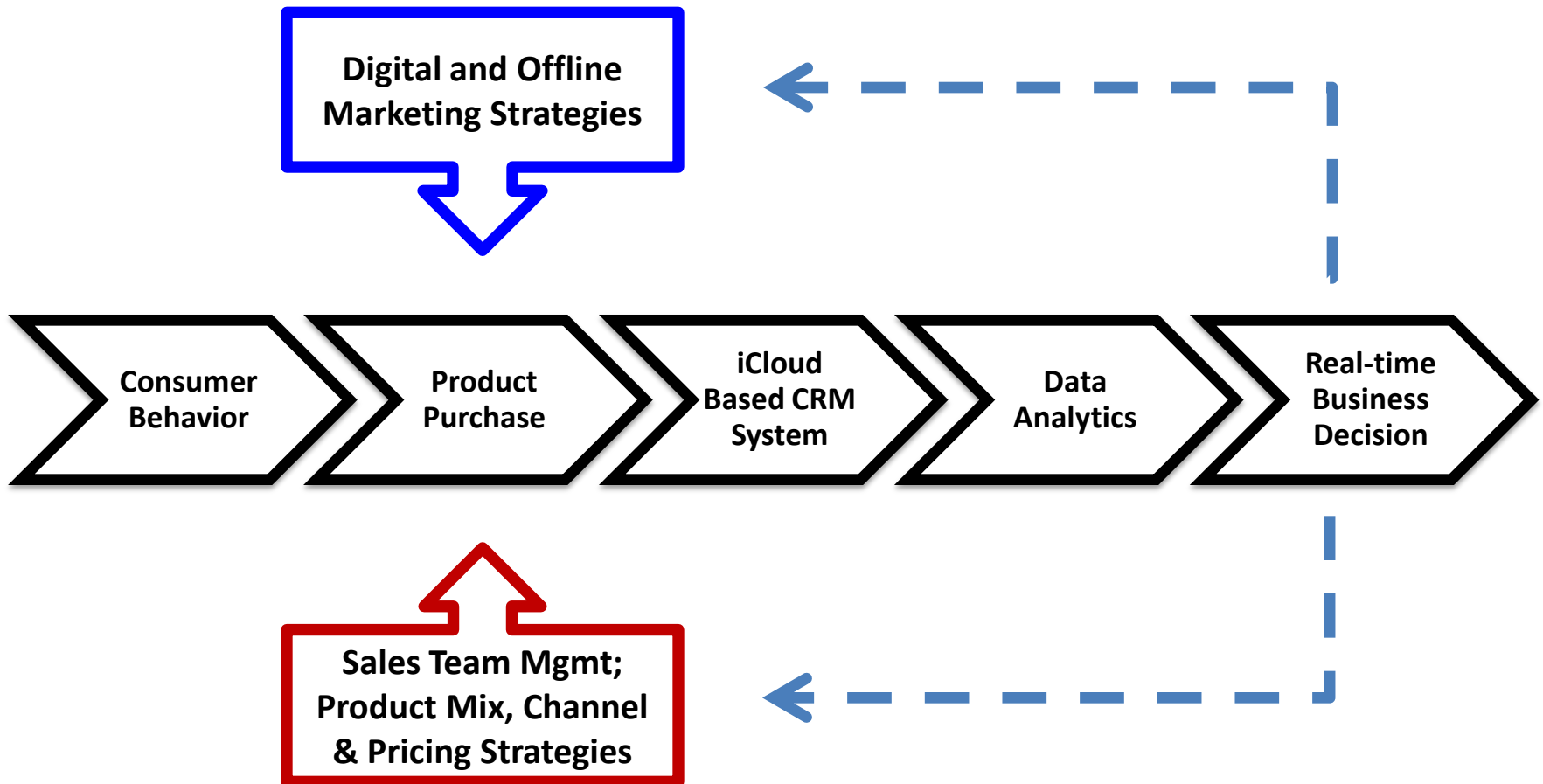
## Engagement Level Metrics

- Awareness and Knowledge, Interest & Attitude, Involvement and Engagement, +ve / -ve WOM, Action, Loyalty, Advocacy and Champion

## Business Value Metrics

- Sales, profit, market share, ROI
- Brand awareness, customer perception, customer satisfaction, churn rate
- Employee productivity, cost reduction, stakeholders relationship

# Making Effective Business Decision



# Examples of Digital Analytics and Measurement Tools for Social Media

Business Objective	Key Performance Indicator	Social Analytics Platforms
Foster Dialog	Share of Voice	Alterian SM2, Radian6, Scout Labs, Statsit, Trendrr, Visible Technologies
	Audience Engagement	Coremetrics, Webtrends, Radian6, Scout Labs, Converseon, Filtrbox (Jive), Visible Technologies
	Conversation Reach	Alterian SM2, Radian6, Scout Labs, Social Radar, Statsit, SWIX, Trendrr, Visible Technologies
Promote Advocacy	Active Advocates	Biz360, Filtrbox (Jive), Radian6
	Advocate Influence	Cymfony, Filtrbox (Jive), Lithium, Radian6, Razorfish, (SIM Score), SAS, Telligen, Twitalyzer, Visible Technologies
	Advocacy Impact	Coremetrics, Lithium, Omniture, Webtrends, SWIX, Telligent
Facilitate Support	Resolution Rate	Filtrbox (Jive), RightNow Technologies, Salesforce.com, Telligent
	Resolution Time	Filtrbox (Jive), RightNow Technologies, Salesforce.com, Telligent
	Satisfaction Score	ForeSee Results, iPerceptions, Kampyle, OpinionLab
Spur Innovation	Top Trends	Alterian SM2, Cymfony, Filtrbox (Jive), Radian6, SAS, Scout Labs, Social Mention, Social Radar, Trendrr, Visible Technologies
	Sentiment Ratio	Alterian SM2, Converseon, Cymfony, Filtrbox (Jive), Radian6, SAS, Scout Labs, Social Radar, Trendrr, Visible Technologies
	Idea Impact	Biz360, Cymfony, Filtrbox (Jive), Luglron, Radian6, Scout Labs, Visible Technologies

\*Source: Objectives, KPIs and Social Analytics Platforms by Ira and Chris (2015)

# Best Practices to Achieve DIO

- Equip leaders with digital mindset and courage to change
- Establish a digital and fast-adopting culture within the organization
- Invest in trainings, digital resources and technologies
- Build collaborative and interdisciplinary teams with digital competence
- Capable to develop and support Integrated Digital Strategy (IDS) to connect / engage customers
- Appropriate monitoring / evaluation of digital performance and ROI
- Make effective use of data collected from all channels

*\* Best practices based on research insights by DTA from 250 HK, China, Japan, US and European SMEs and large corporations*



**End of Presentation**