

# Enhancement of Indonesian Quantity Surveyor Competency in Response to The Growth of The Construction Industry

Presented by Ikatan Quantity Surveyor Indonesia  
AQSA Congress 2023 – Sibul, Sarawak



# Agenda

**01** Workforce in  
Construction Industry

**02** Competencies in QS

**03** Recent Competencies  
of QS

**04** Moving Forward





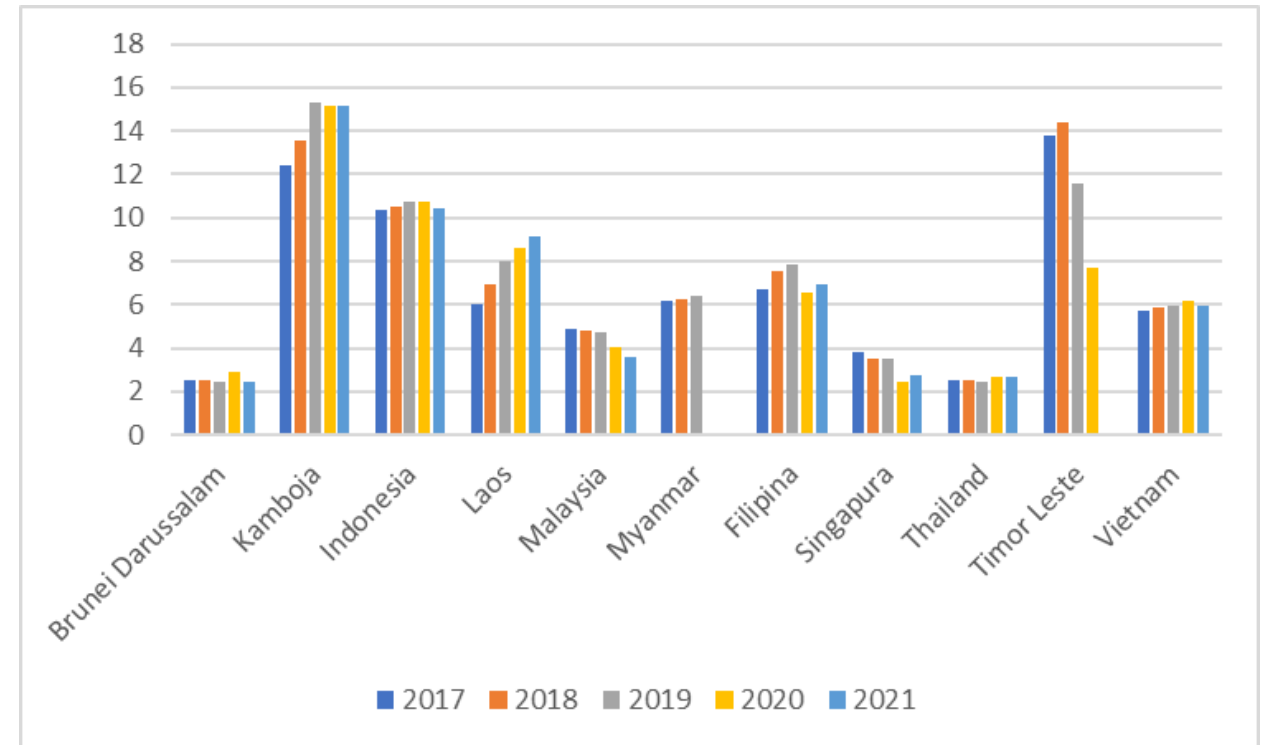
# Workforce in Construction Industry

# Construction Sector at a Glance

- Construction sector becomes one of the three leading sectors contributing to Indonesia's economic growth
- This sector contributes 11.11% of Indonesia's GDP



Gross Domestic Product of Construction Sector's Contribution in ASEAN Countries



GDP growth rate is 5.58%

# Construction Sector to Economic Growth

## 01 Strong Relationship

- There is a very strong relationship between construction activities and short-term economic growth as a result of investment in this sector

- 25.75 billion USD in 2023 for infrastructure
- 1.51 billion USD in 2023 for new capital city



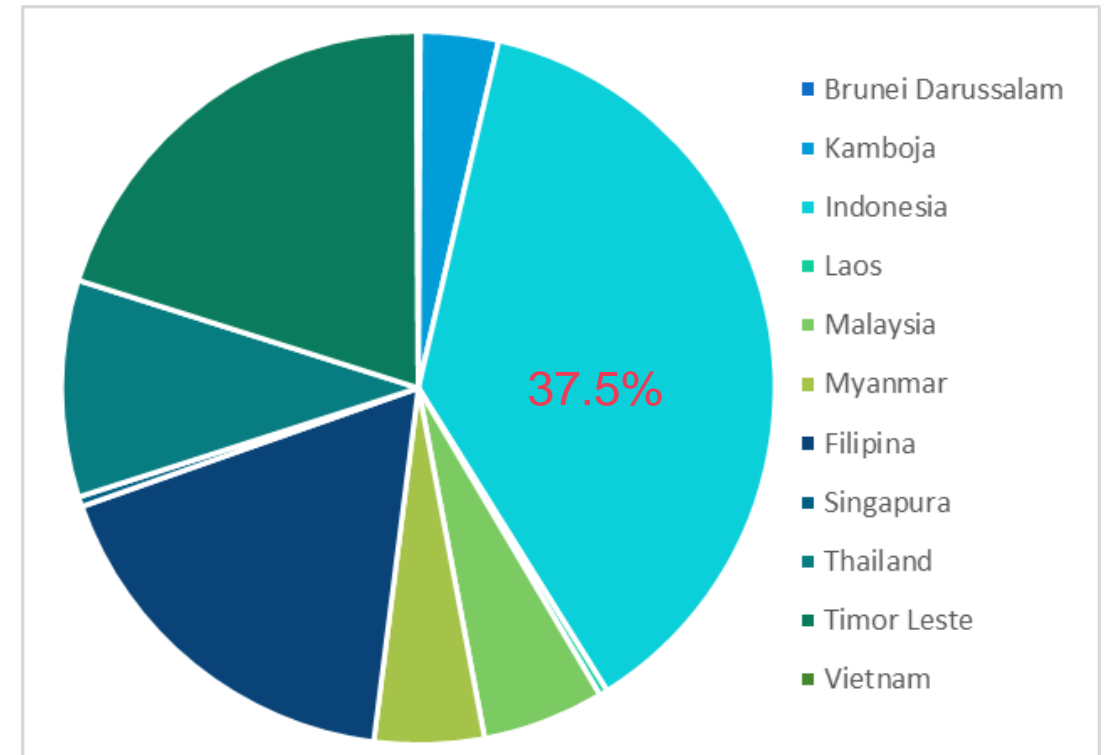
# Construction Sector to Economic Growth

## 02 Positive Influence

- The construction sector has positive influence on economic growth
- The sector absorbs a lot of labour



Average Construction Sector's Workforce in ASEAN Countries

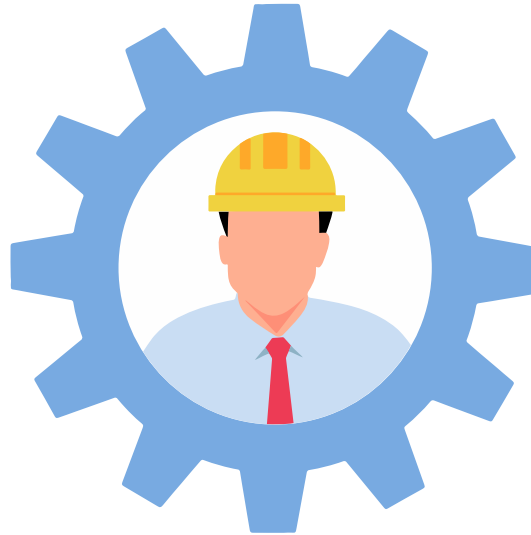


# The Needs of Construction Worker

## Infrastructure Development

### Increase in investment

- Investment for infrastructure development is always increase (7.75% increase in 2023 from 2022)



## Construction Worker

With the right  
Skill &  
Competencies

## New Capital City

### 2025-2035

- Building the city as a resilient core area
- Developing the next city phase
- Relocating government centers
- Achieving the Sustainable Development Goals





# Competencies for Quantity Surveyor



# Quantity Surveyor's Competencies

## Competence

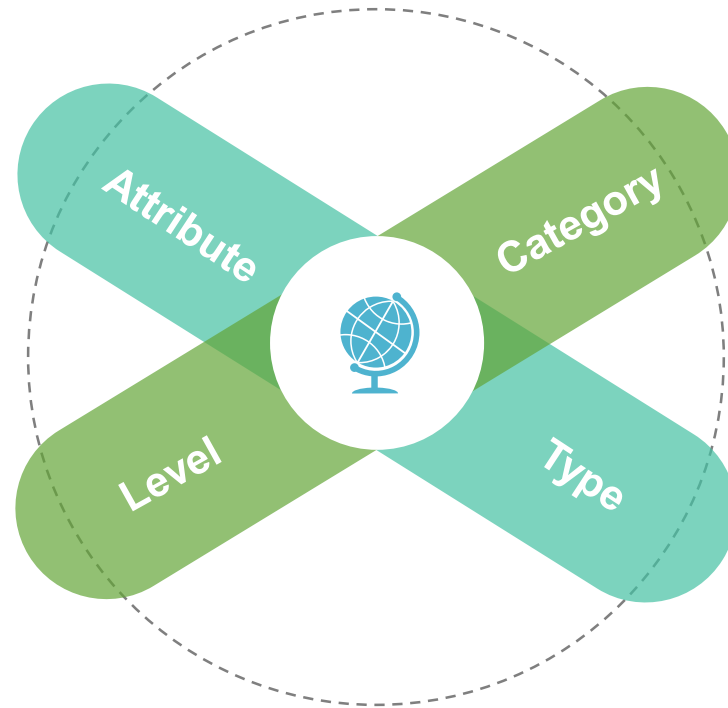
Ability to transfer skills and knowledge to new situations within a given occupational area

### Attribute

A quality of competency that a person possesses

### Level

The combination of various competencies that a person has at a certain level



### Category

A class of people according to their qualities and characteristics

### Type

Competency grouping based on the knowledge

# Level of Competency

## SKA Muda (Beginner)

A Diploma holder with a minimum of two years experience or Bachelor holder without work experiences

## SKA Madya (Qualified)

A Diploma holder with a minimum of five years experience or Bachelor holder with a minimum of two years experiences

## SKA Utama (Expert)

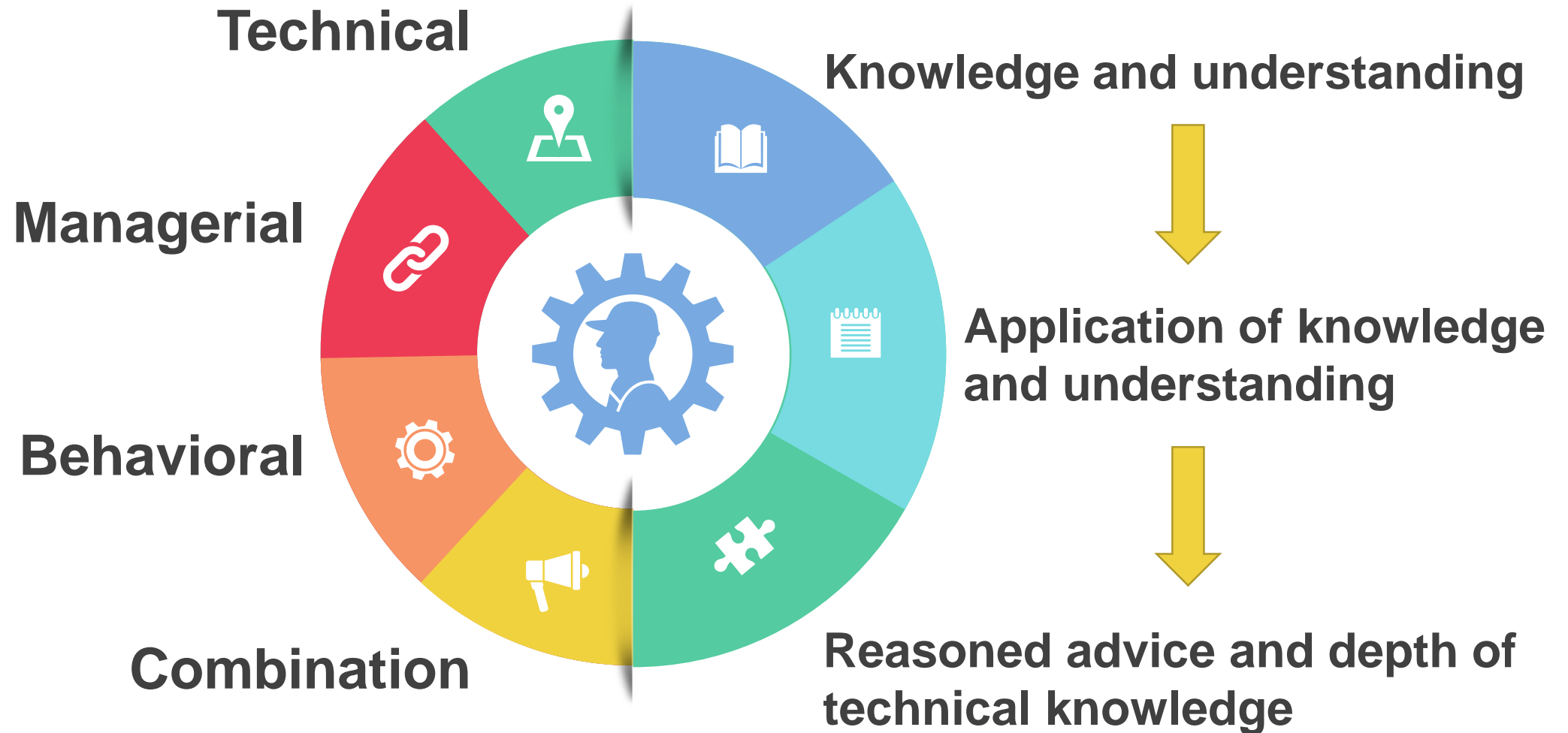
A Diploma or Bachelor holder with a minimum of eight years work experiences



# Category of Competency

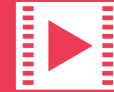


# Type and Attribute of Competency





# Recent Competencies of Quantity Surveyor



**01** Priority

**02** Key Issues

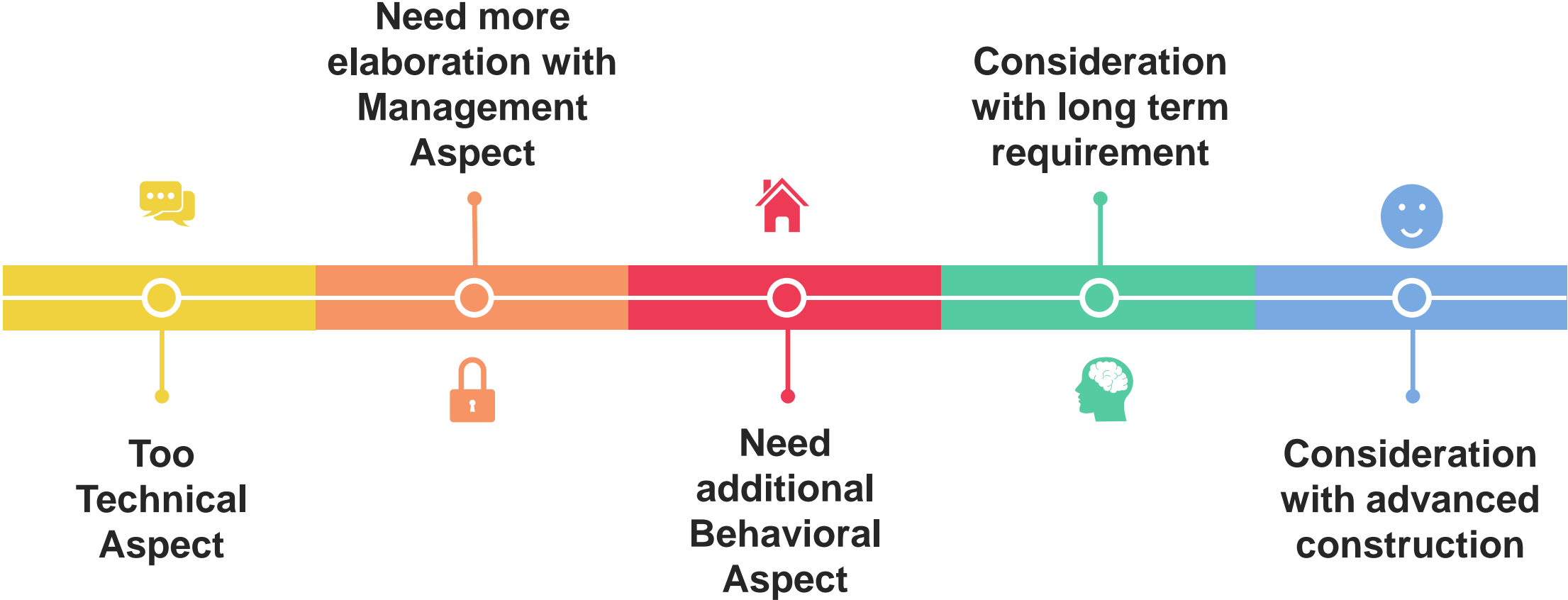
# The Priority

	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	
Technical	● ● ● ● ● ●	● ● ● ●	● ● ● ● ●	● ●	● ● ● ● ● ● ● ●	25
Management		● ●	●	● ● ● ● ● ● ●	● ●	12
Behavioral	● ● ● ●	● ● ●	●	●	●	10
Combined		●	● ● ● ●		●	5

**Technical:** Measurement; Design & specification; Contract preparation & drafting; Procurement; Cost planning & estimating; Problem solving & decision making"

**Behavioral:** Teamwork; Communication; Task-oriented; Leadership

# Key Issues



# Moving Forward



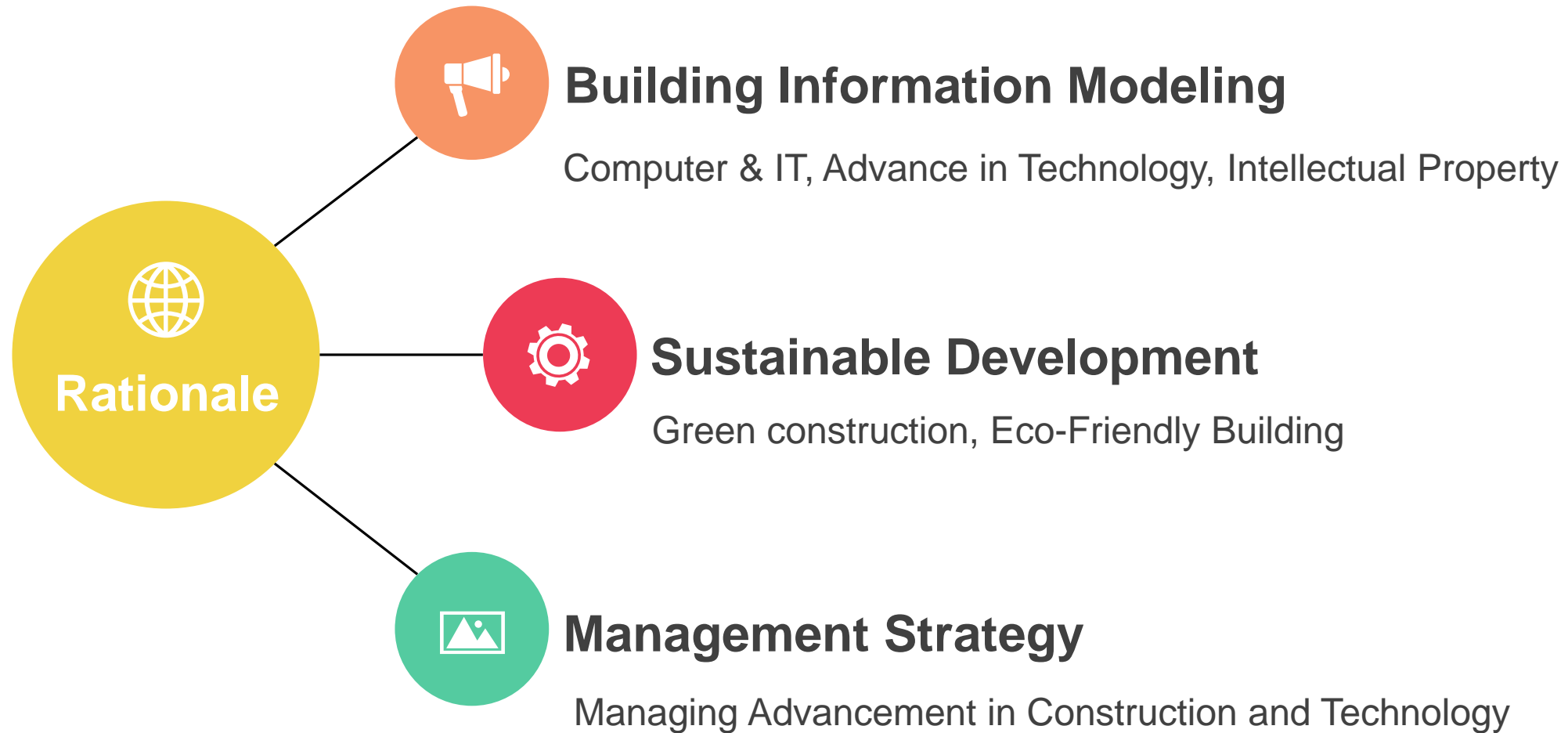


# Shifting the Priority

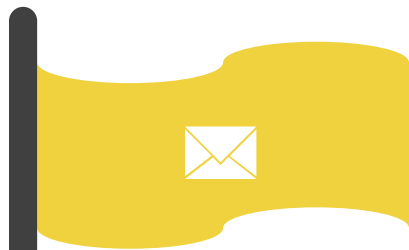
	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5
Technical	Measurement; Design & specification; Contract preparation & drafting; Procurement; Cost planning & estimating; Problem solving & decision making	Laws and regulations	Computer & IT		Intellectual property; International contracting; Sustainability
Management		Time management; Construction claim management	Data management	Risk management; Value management	Construction business; Facilities management
Behavioral	Teamwork; Communication; Task-oriented; Leadership	Standards of conduct; Negotiation; Adaptability	Emotional self-control	System thinking	Empathy
Combined		HSE principles	Conflict avoidance & dispute resolutions		Research & development



# Rationale



# Conclusion



## Recognizing

Knowing the current needs and situation related to QS competencies



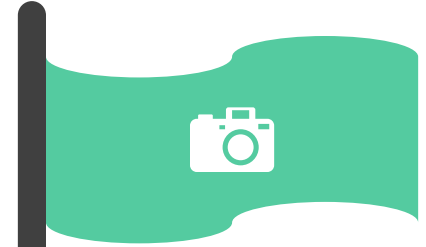
## Understanding

The need to enhance competencies to meet the future needs



## Mapping

Select strategically the enhancement required to meet the future needs



## Planning

Strategic planning to have a better competencies in QS



THANK YOU