

# **MATRADE – Your Link to World Market**

## ***Tapping into the Global Value Chain***

***By***

***Datuk Ir. Mohd Adnan Mohd Nor***

***BEM Board Member; Chair of ST 1.5.1***

# Lembaga Jurutera Malaysia

- **PEPC 8,793**
- **PE 7,333**
- **Graduate Engineer 198,411**
- **Engineering Consulting Companies: 2,751**
- **1,294 (48%) Sdn Bhd; 1,457 (52%) Partnership/Sole Proprietorship**
- **After 52 years since BEM formed in 1972; Only 1 Public Listed Engineering Consulting Company (HSS Engineers Bhd)**
- **SSP Sdn Bhd is 100 years this year!!! (formed in 1924); a fantastic achievement**
- **Estimated only about 40-50 firms are exporting services; most are Sdn Bhd with more than 30-40 years experience**
- **Value of exports insignificant; worse after Covid-19**
- **Yet, CIDB reported that up to 2018, contractors have undertaken 1,214 international projects with a total value of RM148 billion. Covid-19 disrupted exports but now recovering with RM20.1 billion in 2022.**
- **The engineering services sector is way behind**
- **Something needs to be done to accelerate the export of engineering services sector**

# BEM initiatives and efforts to promote export of engineering services

## 1. ASEAN MRA

- A systematic and formal structure to facilitate and encourage ASEAN Engineer's mobility is already in place and implemented:
  - The ASEAN MRA already nearly 20 years - Implemented by ASEAN Chartered Professional Engineers Coordinating Committee (ACPECC)
  - The Registered Foreign Professional Engineer (RFPE) registration system already in place in each ASEAN Member State
  - BEM through the National Monitoring Committee is appointed to represent MITI in the ACPECC.
- Now **7,430 ACPEs; Malaysians 3,202**
- But **RFPEs only 30; Malaysians 9** (in Cambodia, Myanmar, Singapore)
- Efforts to encourage ACPE continue...
- NMC/BEM - Application simplified, online, all year round, regular application screening, regular NMC meetings to endorse recommendations to ACPECC, No registration fee
- ACPECC meets at least 2-3 times a year; often 3 times a year and approves recommended applications
- ACPECC TWG-MAE continue to develop initiatives to encourage mobility through its Working Groups

01

ENHANCE THE  
**VALUE OF THE  
ENGINEERING  
PROFESSION**



02

SAFEGUARD  
**PUBLIC SAFETY,  
HEALTH & INTEREST**



03

ASSERT LEADERSHIP  
OF **ENGINEERING  
PROFESSION  
NATIONALLY  
& INTERNATIONALLY**



04

ENHANCE  
**PUBLIC IMAGE  
& BRANDING**



05

PROMOTE  
**ENGINEERING  
TVET**



# STRATEGIC PLAN

BOARD OF ENGINEERS MALAYSIA (BEM)

2021

2025

# 01

## ENHANCE THE **VALUE OF THE ENGINEERING PROFESSION**



### Strategy

Promote delivery of engineering services to tap into Global Value Chain

### Description

Enhancing the value of engineering profession through a strategy; *promoting delivery of engineering services to tap into Global Value*, is aimed to enhance further the standard of registered persons and engineering entities to international level and tracking their performance using database and knowledge management. Ramping up the promotion of engineering experts and the engineering entities at the global level is thus inevitable. The global involvement of registered persons is leveraged through them meeting the EAC and ETAC accreditation standards at the entry level and having qualified professionally at the international level.

### Expected Outcome

Visible at international platform (Individually and Organisations)

## Initiatives



Raise the standard of engineering education, training and skill development to meet stakeholder expectations

T1.1



Develop databases of engineering experts for the purpose of national and international advisory and consultancy services

T1.2



Conduct outreach program with all stakeholders on the roles and function of BEM

T1.3



T1.4



Promote professional registration to meet developed nation status



Conform to international best practices among professionals

T1.5



## Initiatives



Strengthen education, training, ensure competency (technical and non-technical) and take the lead in engineering alliances and talent management

T3.1



Create platforms for industry collaboration to enhance networking and mobility of professional engineer

T3.2

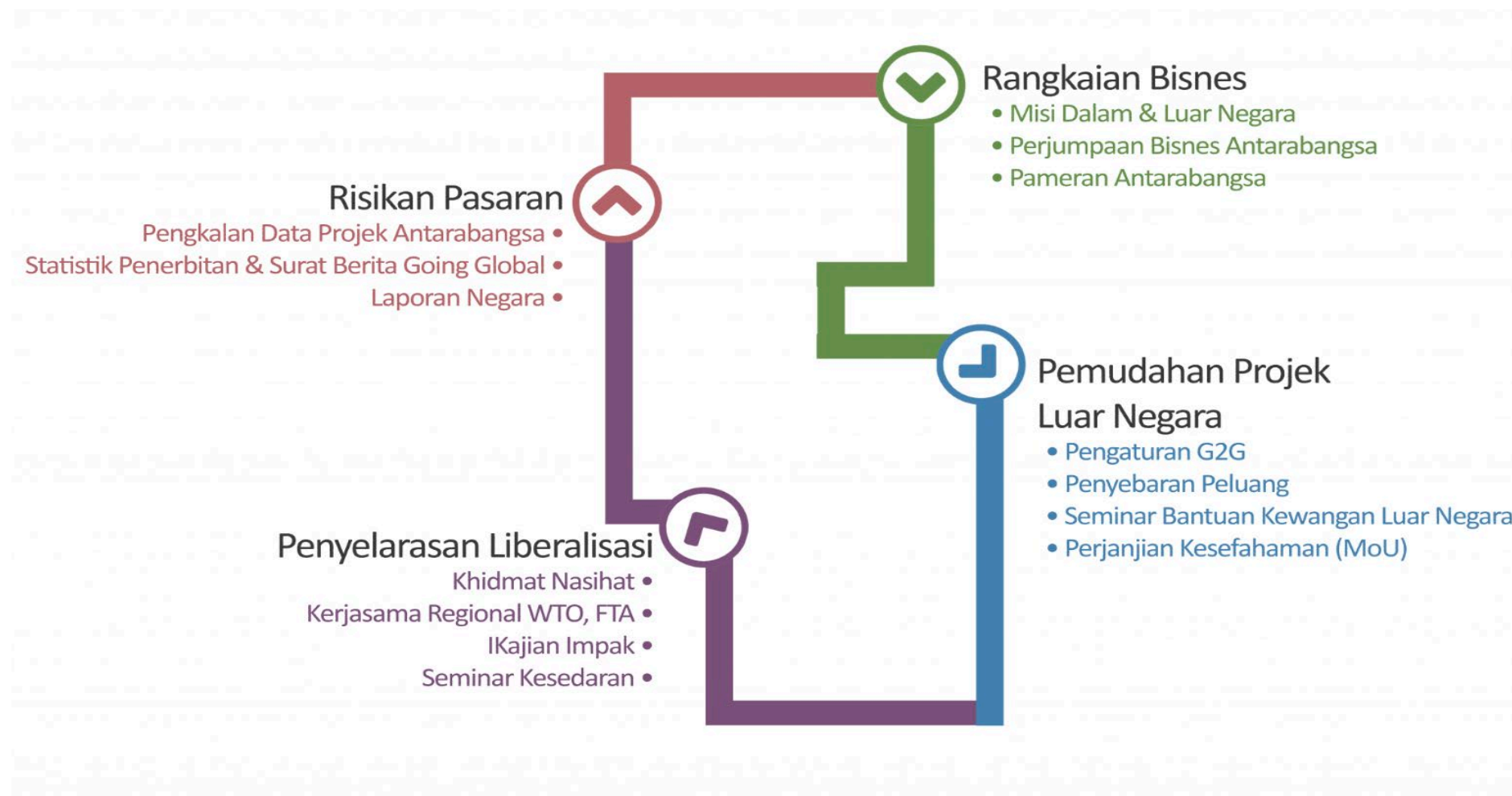


T3.3



Engage with Government and industry to promote leadership of engineers is asserted in engineering related companies

Sejajar dengan fungsi yang digariskan dalam Akta 520 – untuk mempromosi, merangsang dan membantu usaha mengeksport perkhidmatan berkaitan industri pembinaan – bahagian Antarabangsa CIDB turut aktif melaksana inisiatif berikut:



### 3. Collaboration with CIDB

#### CIDB

- Has a formal structure to promote export of construction contractors.
- Trade Agreement advisory services
- Market Intelligence
- Business Network
- Facilitating Overseas Projects

Sehingga 2018, industri pembinaan Malaysia telah merakamkan pencapaian cemerlang di peringkat global setelah penggiat industri pembinaan tempatan berjaya memenangi dan menyempurnakan 1,214 projek antarabangsa, bernilai RM148 Bilion.

## **4. Collaboration with MATRADE**

- **MATRADE is the premier Government organization responsible to promote export of services that include engineering consultancy services**
- **It has very specialized staff**
- **With several offices overseas**
- **Special programs ranging from assisting in being export ready, facilitation funds, market intelligence, capacity building...**