

Progress and Achievements: BEM's Journey

Presented by:

Ir. HAMZAH BIN HASHIM

BEM Secretary

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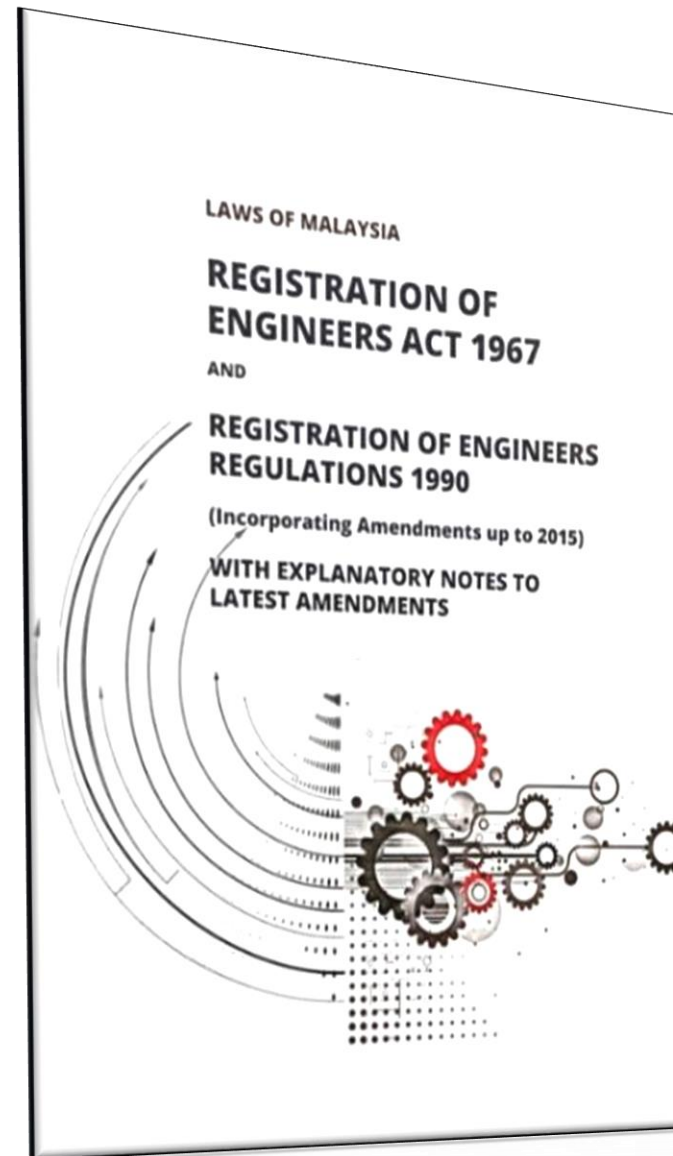
Introduction to

LEMBAGA JURUTERA MALAYSIA

BOARD OF ENGINEERS MALAYSIA



THE PURPOSE OF THE REGISTRATION OF ENGINEERS ACT 1967



To **protect the public** by legislative control so that the practice of engineering, which has a bearing on public safety, health and welfare, can only be carried out by licensed professional engineers.

To **create a regulatory body** with mandate to carry out licensing of professional engineers and regulation of the profession

To **set regulations** pertaining to the practice of engineering; qualifications for licensing; and code of professional conduct for registered engineers;

COMPOSITION: BOARD MEMBERS 2023-2024

President : Section 3(2)(a)

(a) A President who shall be a Professional Engineer or a Professional Engineer with Practising Certificate



Datuk Ir. Haji Ahmad Redza bin Ghulam Rasool



COMPOSITION: BOARD MEMBERS 2023-2024

Section 3(3)(a) – Public Service of the Federation



Ir. Haji Mohd Hatta bin Zakaria
(Jabatan Keselamatan dan Kesihatan Pekerjaan)



Dato' Ir. Haji Badioezaman bin Ab Khalik
(Jabatan Kerja Raya Malaysia)



Dato' Ir. Dr. Ahmad Anuar bin Othman
(Jabatan Pengairan dan Saliran)



Datu Ir. Richard Anak Tajan
JKR Sarawak



Ir. Siraja bin Haji Bashora
JPS Sabah

COMPOSITION: BOARD MEMBERS 2023-2024

Section 3(3)(b) – Service of Local Authority / Statutory Body



Dato' Ir. Abdul Razib bin Dawood
(Suruhanjaya Tenaga)



Dato' Prof. Ir. Dr. Norlida binti Buniyamin
(UiTM)



COMPOSITION: BOARD MEMBERS 2023-2024

Section 3(3)(c) – Private Practice



Ir. Sundraraj a/l A. Krishnasamy
(Zaidun Leeng Sdn Bhd)



Ir. Megat Johari bin Megat Mohd Noor
(MJZ Consultant)



Datuk Ir. Mohd Adnan bin Mohd Nor
(RPM Engineering)



Ir. Mohd Khir bin Muhammad
(Purple Knight Solutions)



Ir. Fam Yew Hin
(Wibawa Consult)

COMPOSITION: BOARD MEMBERS 2023-2024

Section 3(3)(d) – Full time employment of any person/body of person



Dato' Indera Ir. Dr. Ahmad Sabirin bin Arshad
(SIRIM)



Ir. Yau Chau Fong
(Durianê Professional)



EX-OFFICIO 2022-2023



Ir. Dr. Megat Zuhairy bin Megat Tajuddin
Registrar
Section 6(1) of REA



Ir. Hamzah bin Hashim
Secretary
Regulation 9 of RER





Formed on 23rd
August 1972

The Board's Formation



MINISTRY OF WORKS

President (PE/PEPC)
Section 3(2)(a) of REA

PE/PEPC from
Government Sector

Section
3(2)(b),
3(2)(c) &
3(2)(d) of
REA

PE/PEPC from Private
Sector

Representative from Architect & Quantity
Surveyor Boards

Ex-Officio

Ir. Dr. Megat Zuhairy
bin Megat Tajuddin
(Registrar)
Section 6(1) of REA

Ir. Hamzah bin Hashim
(Secretary)
Regulation 9 of RER

The Board



Datuk Ir. Ahmad Redza bin Ghulam Rasool
(President)



Dato' Ir. Dr. Anuar
bin Othman



Dato' Ir. Badioezaman
bin Ab. Khalik



Datu Ir. Richard
Anak Tajan



Ir. Haji Mohd Hatta
bin Zakaria



Ir. Siraja bin Haji
Bashora



Dato' Ir. Abdul Razib
bin Dawood



Dato' Prof. Ir. Dr.
Norlida binti Buniyamin



Ir. Yau Chau Fong



Ir. K. Sundraraj a/ I A
Krishnasamy



Ir. Megat Johari bin
Megat Mohd Noor



Datuk Ir. Mohd
Adnan bin Mohd
Nor



Datu' Indera Ir. Dr.
Ahmad Sabirin bin Arshad



Ir. Fam Yew Hin



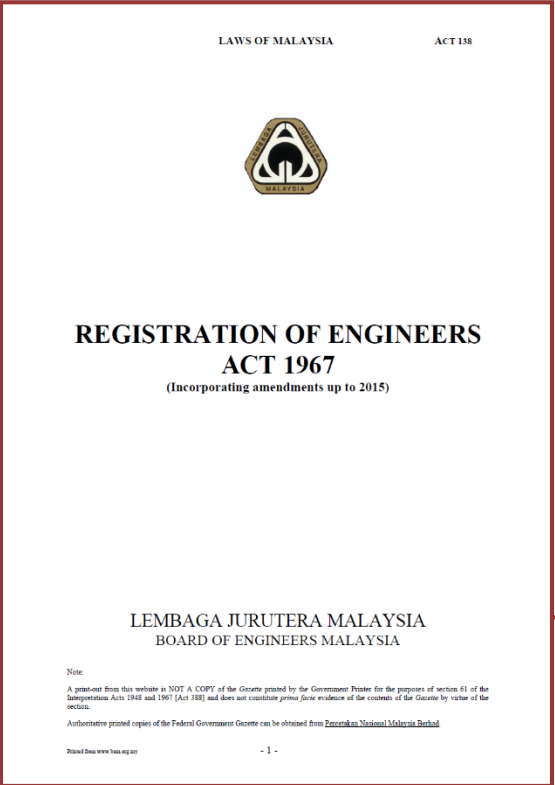
Ir. Mohd Khir bin
Muhammad



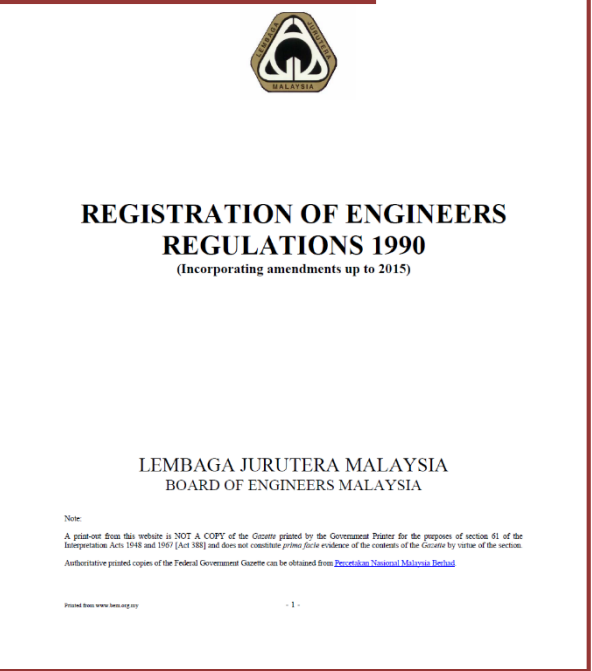
Ar. Jafri Merican bin Din Merican



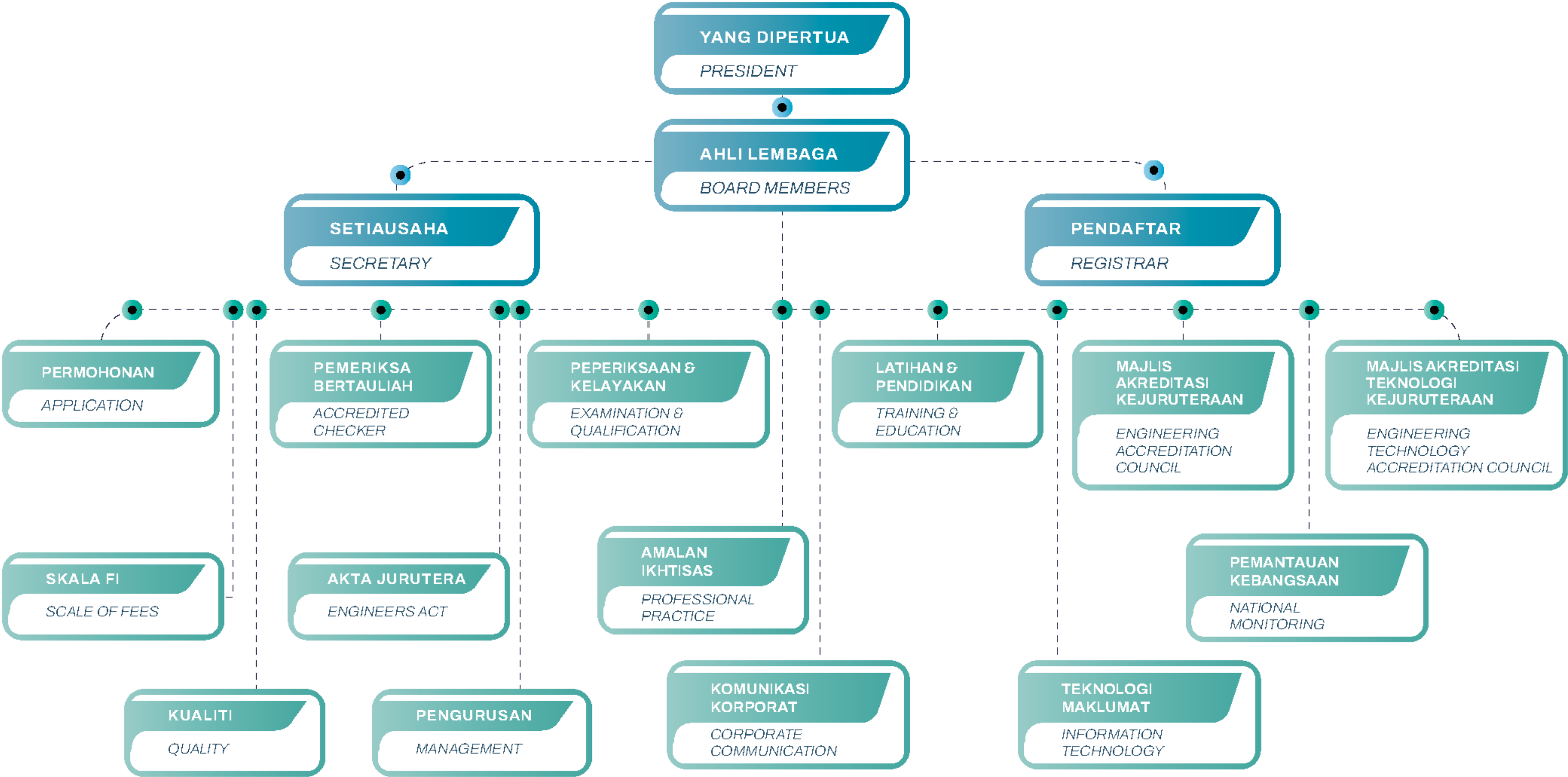
Sr. Rogayah binti Yunus



P.U. (A) 128.



ORGANISATIONAL CHART



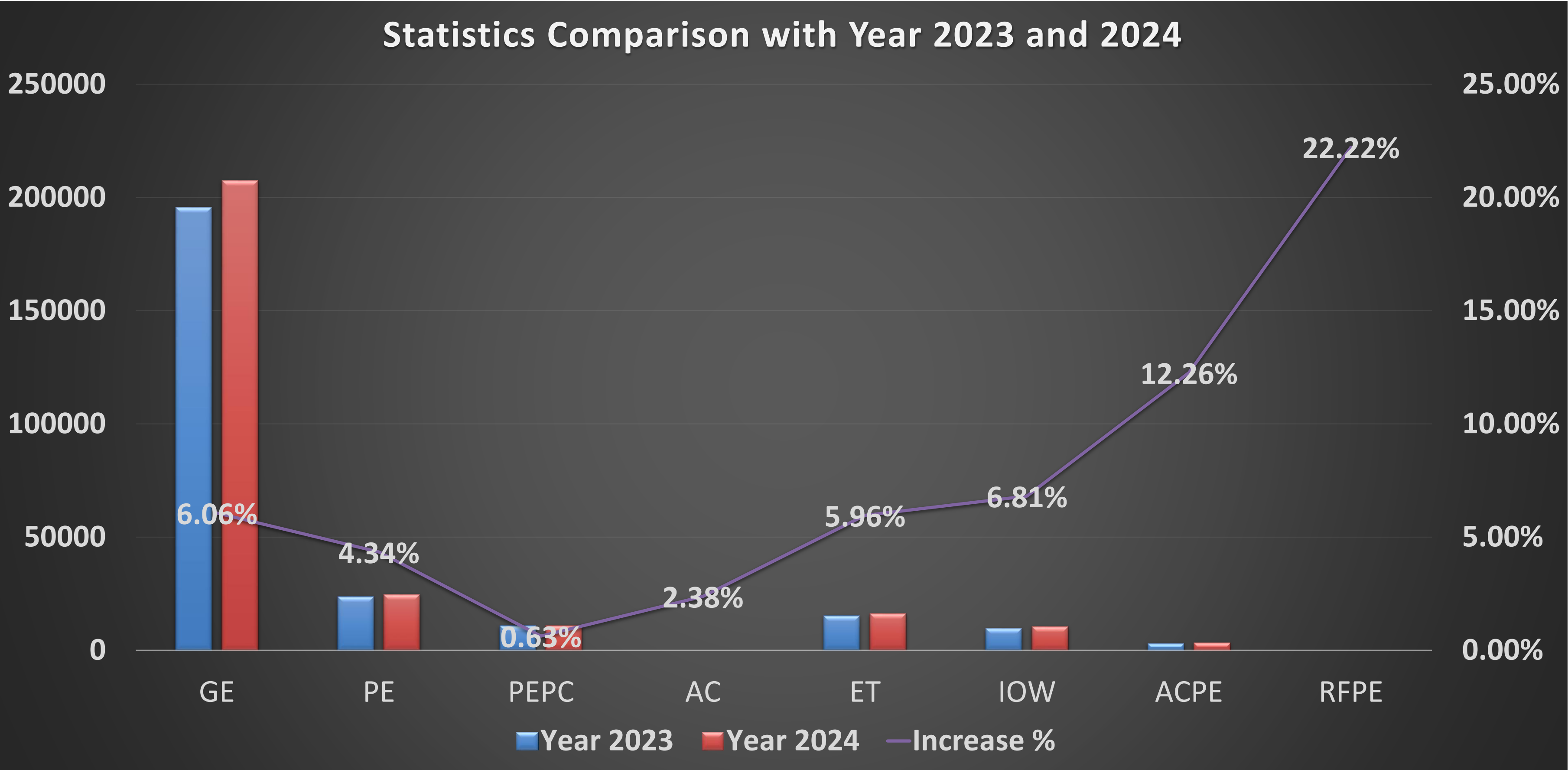
STATISTICS: REGISTERED PERSONS

(as of 30 Sept 2024)

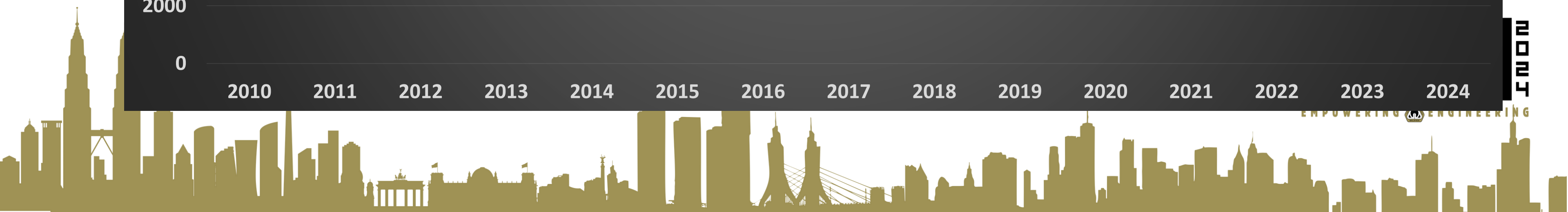
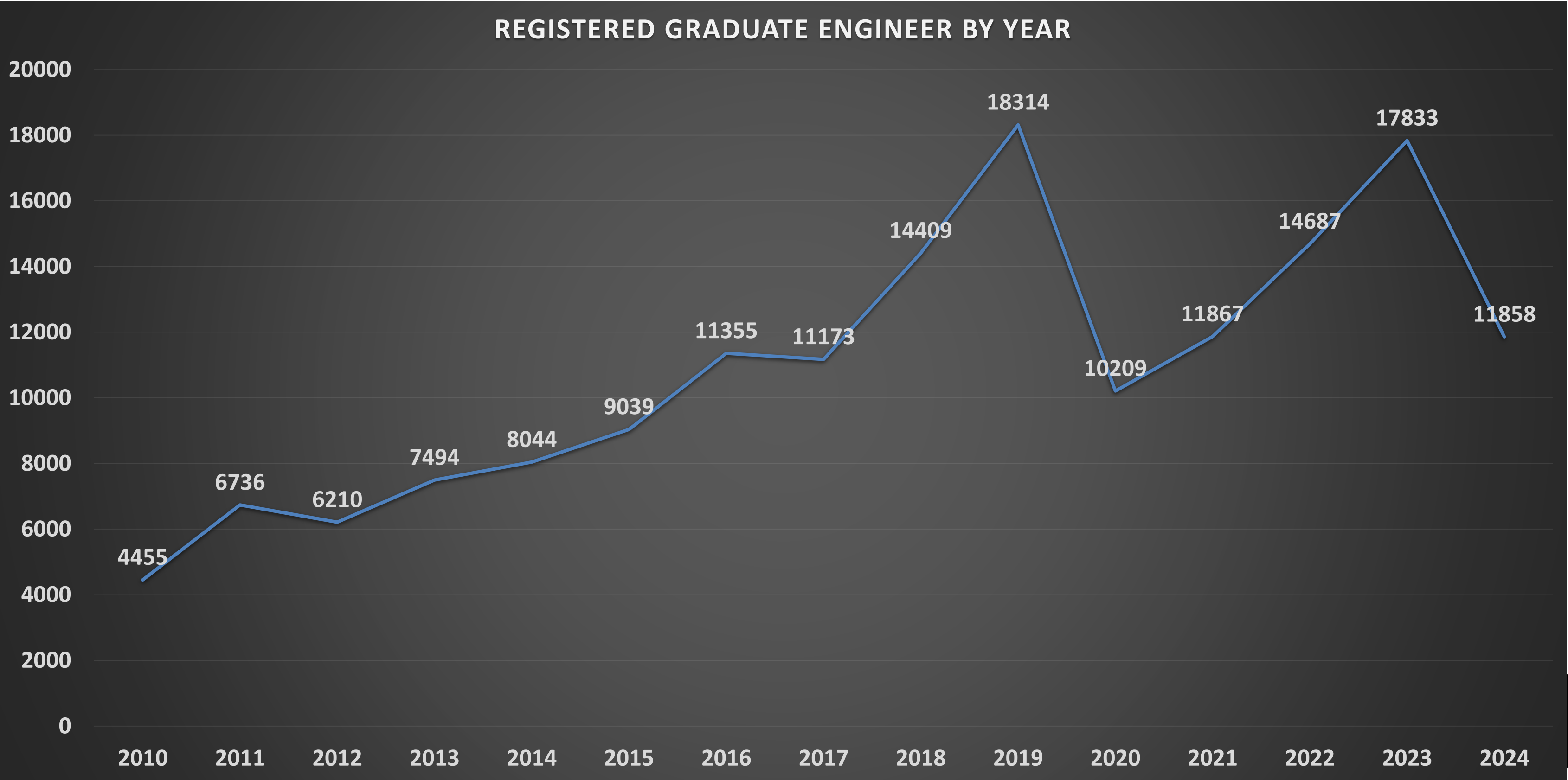
Category	Total
Graduate Engineer (GE)	207,497
Professional Engineer (PE)	24,620
Professional Engineer with Practising Certificate (PEPC)	10,857
Accredited Checker (AC)	43
Engineering Technologist (ET)	16,181
Inspector of Works (IOW)	10,448
Total Registration	269,646



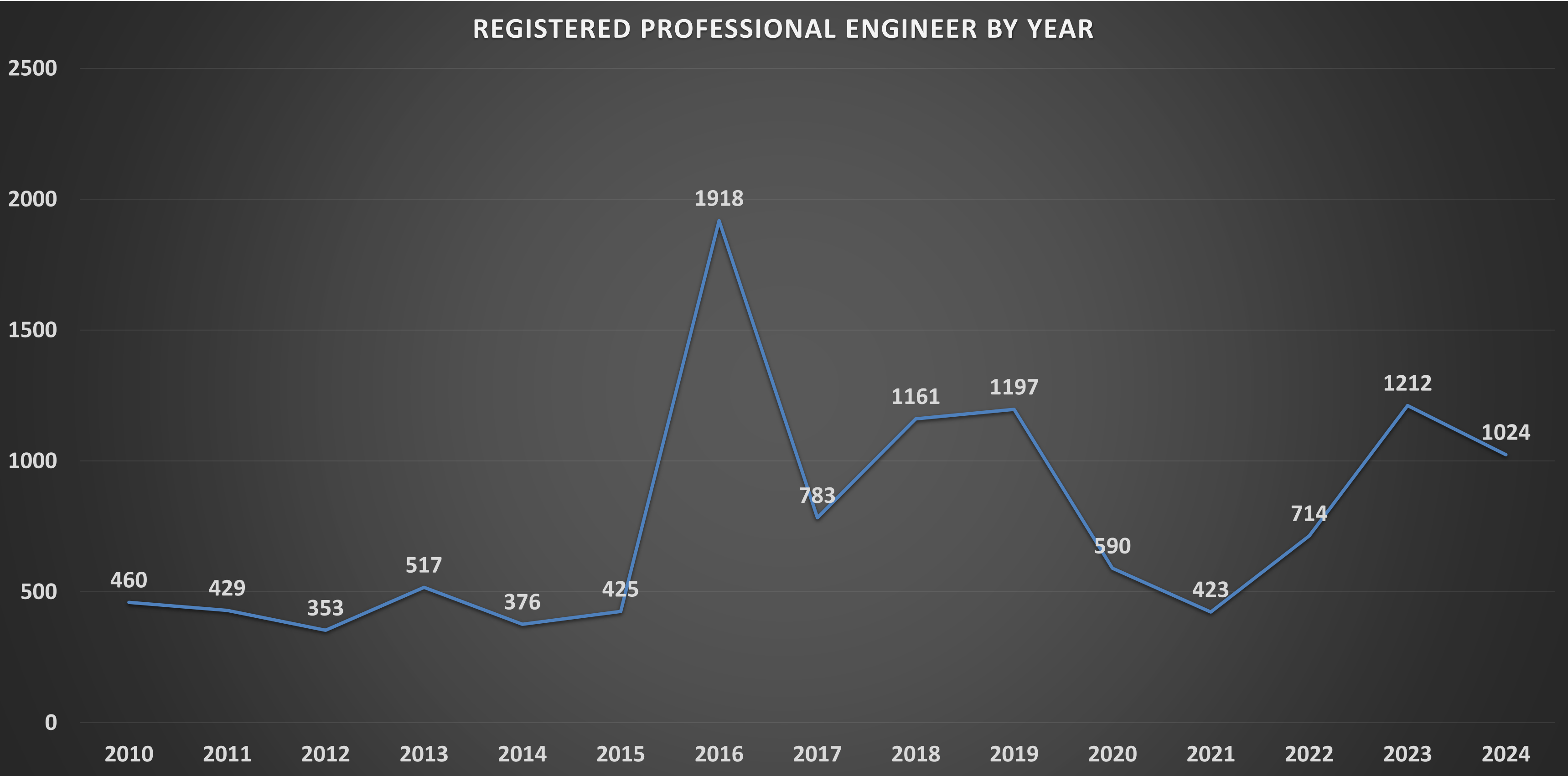
STATISTICS



STATISTICS

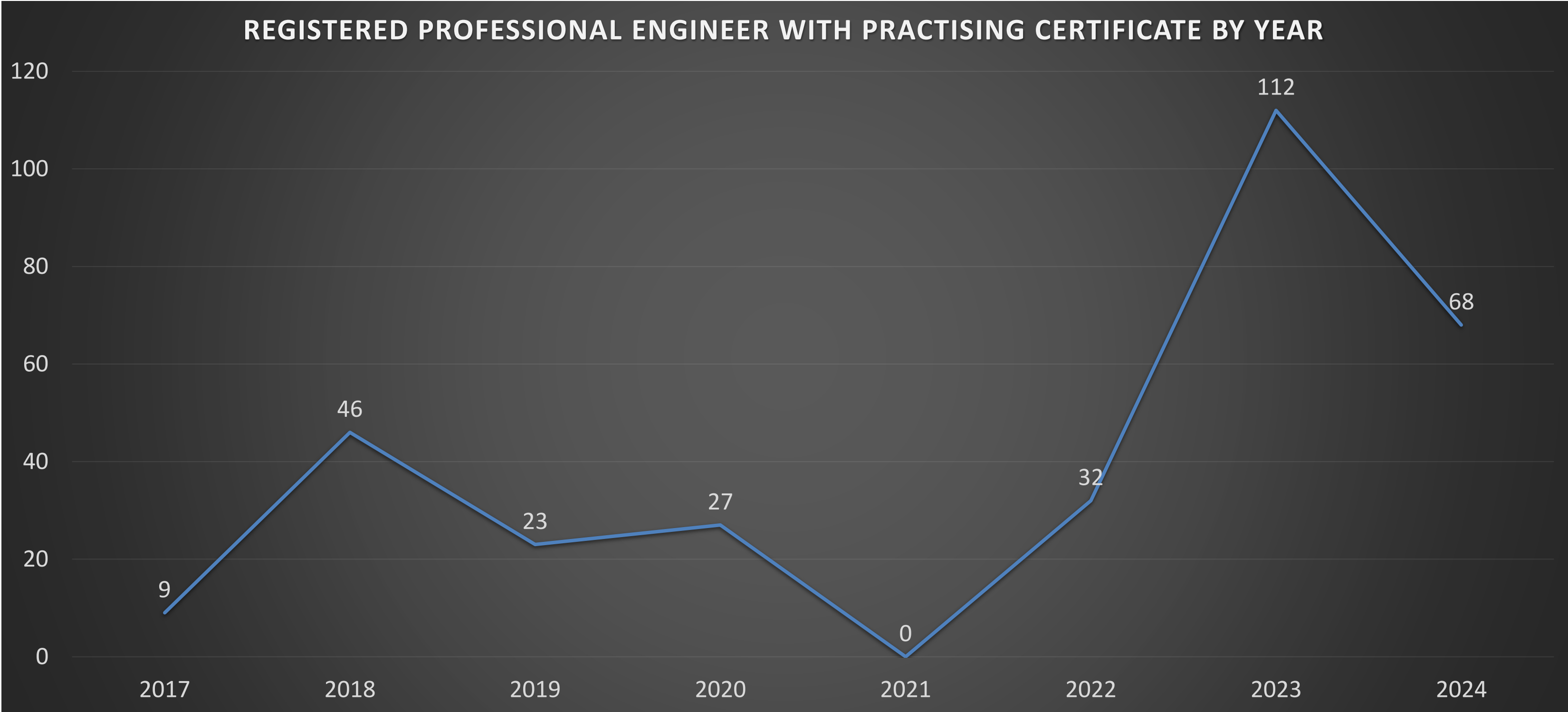


STATISTICS

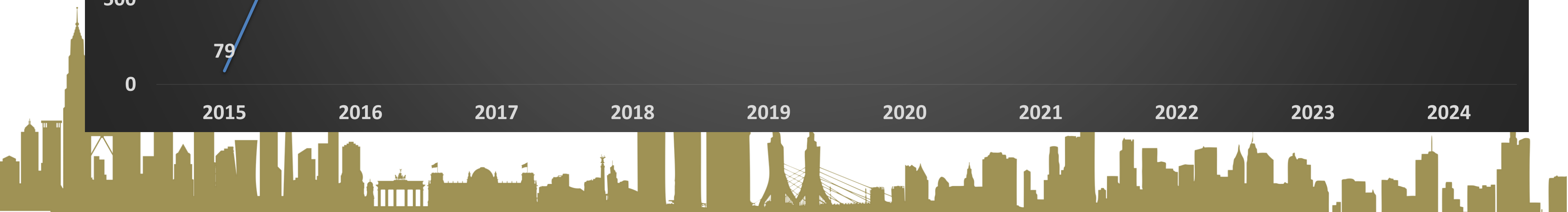
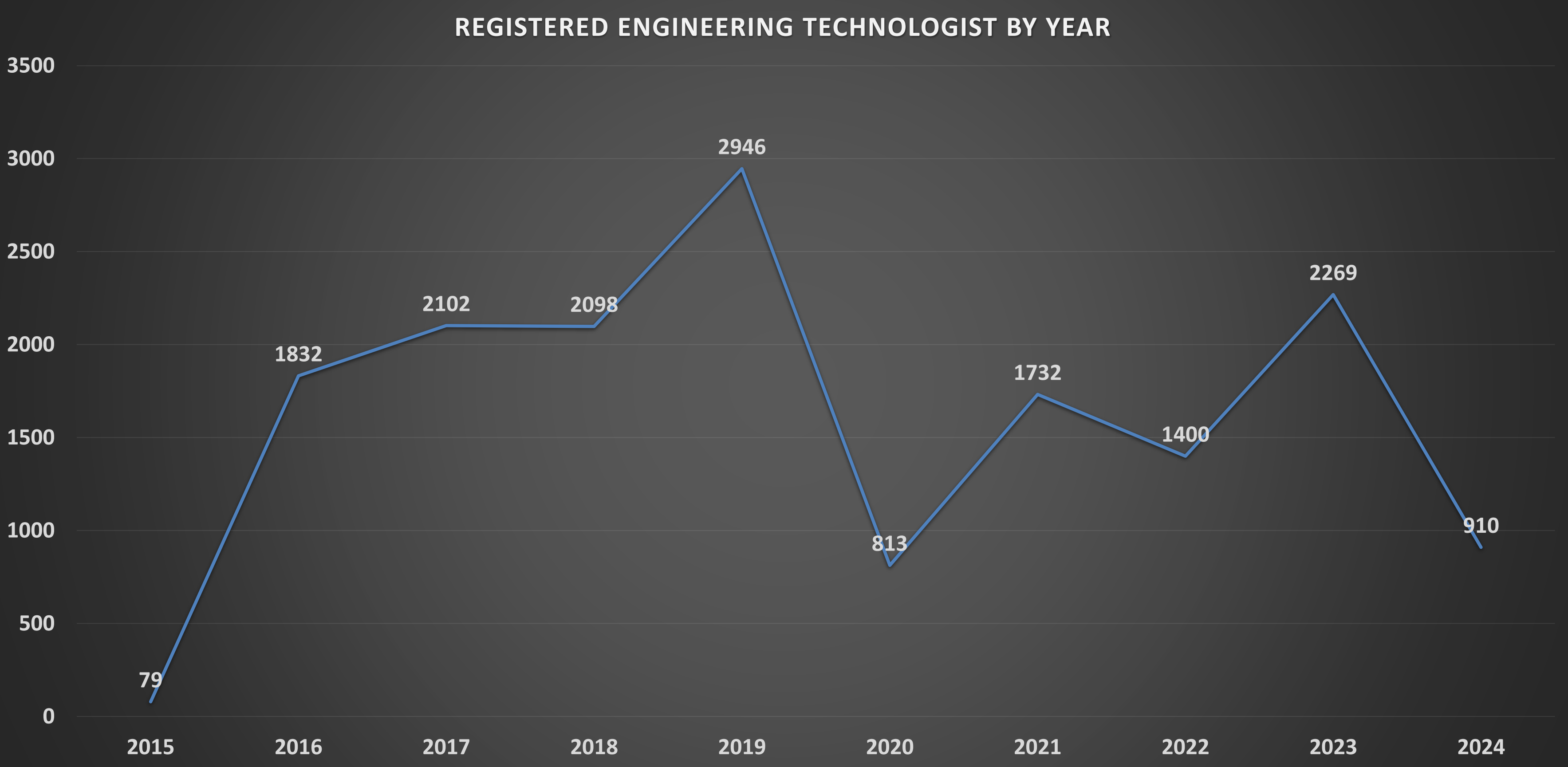


MONITORING

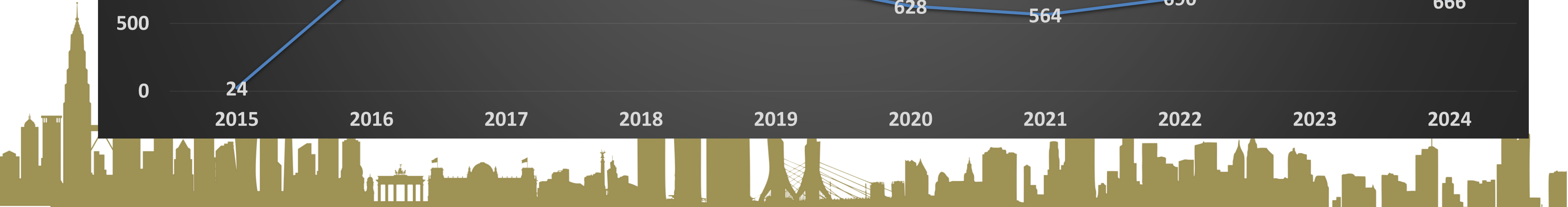
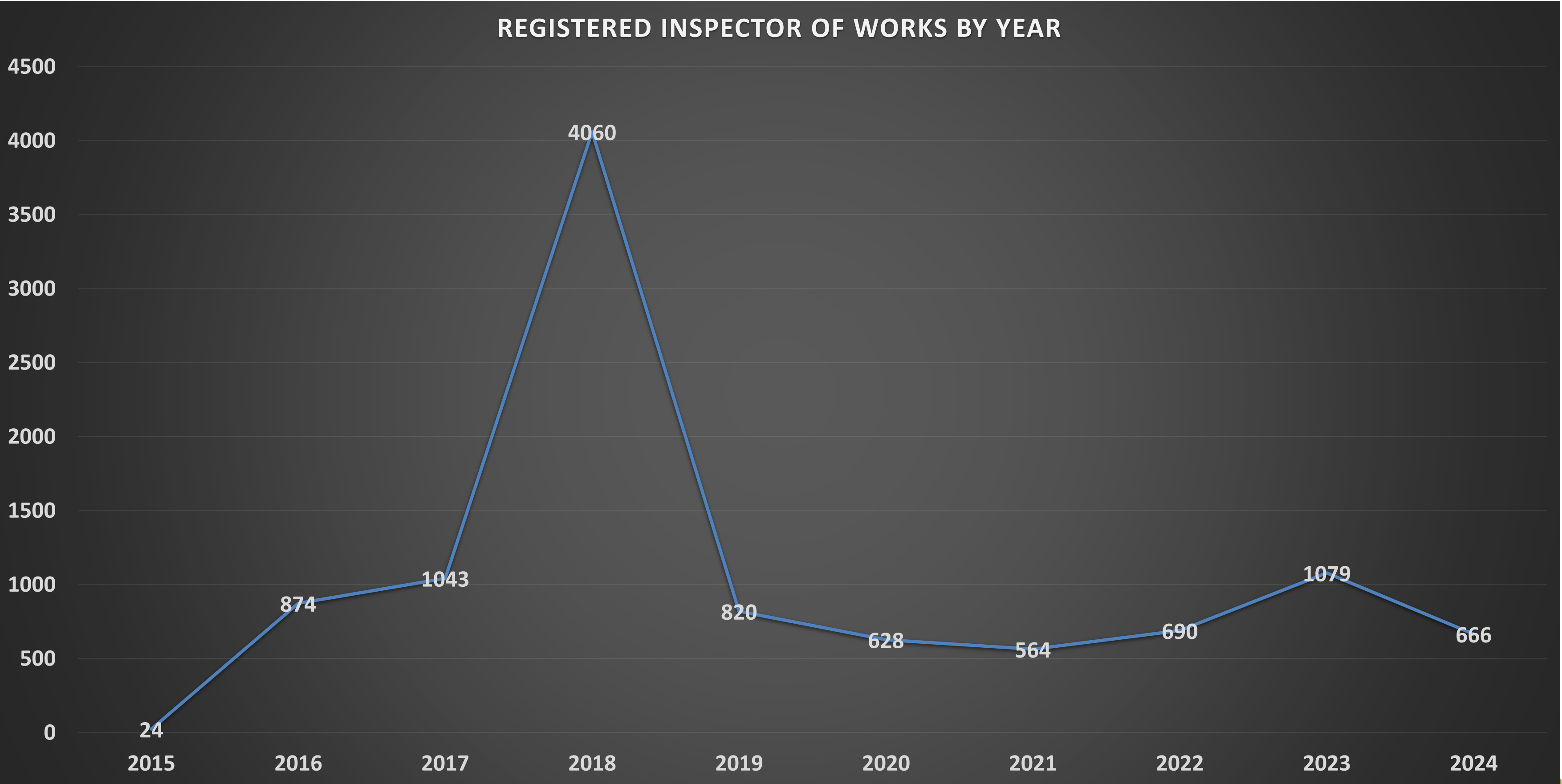
STATISTICS



STATISTICS:



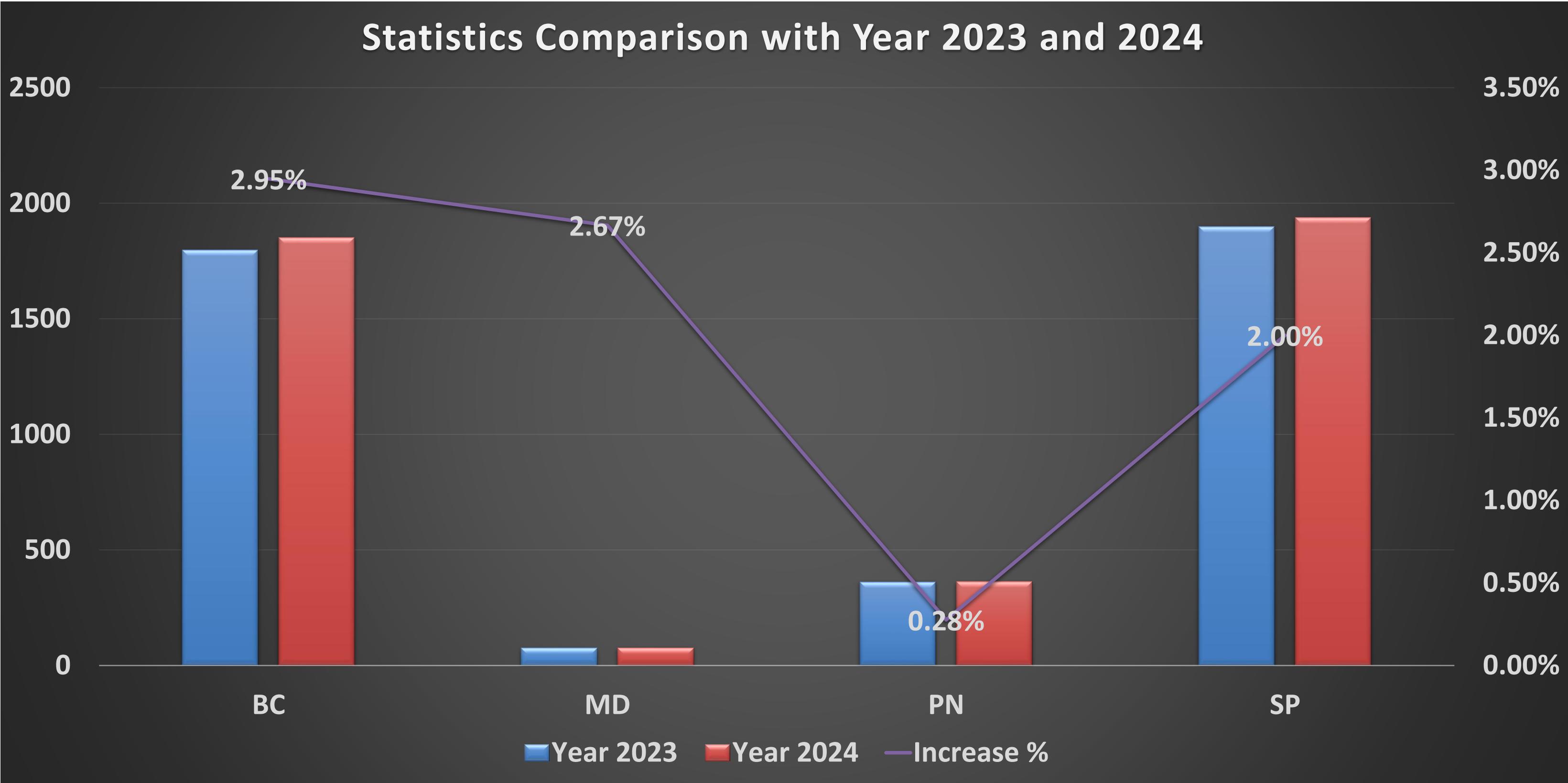
STATISTICS:



STATISTICS: ENGINEERING CONSULTANCY PRACTICE (as of 30 Sept 2024)


Category	Total
Body Corporate (BC)	1,851
Multi-Disciplinary (MD)	77
Partnership (PN)	363
Sole Proprietor (SP)	1,938
Total Registration	4,229

STATISTICS: ENGINEERING CONSULTANCY PRACTICES



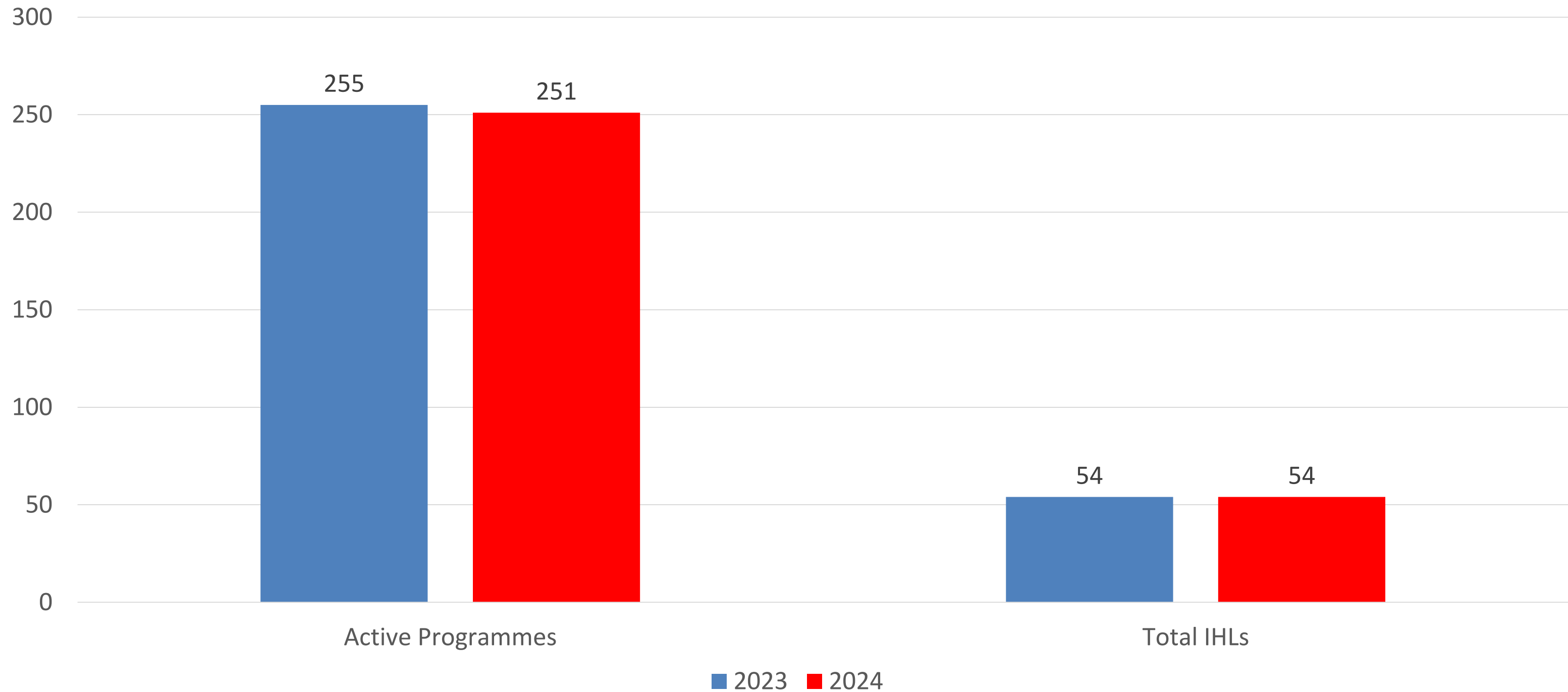
PROFESSIONAL MOBILITY WITHIN ASEAN

BEM as the caretaker for ASEAN Chartered Professional Engineer (ACPE)

	Brunei	Cambodia	Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Viet Nam
	36	120	1,548	18	3,334	622	1.012	348	245	362
	7,645 (as of 4 June 2024)									

ACCREDITED ENGINEERING PROGRAMME 2023 & 2024

AKREDITASI PROGRAM KEJURUTERAAN 2023 & 2024



ACCREDITED ENGINEERING PROGRAMME



uploaded by pajamada

Disclaimer: This slide is property of BEM and the information cannot be used as official statement from BEM. The information is only valid on the date of its establishment and you may refer to BEM for new update.

WASHINGTON ACCORD SIGNATORIES

1.

Australia
2.

Canada
3.

China
4.

Chinese Taipei - Taiwan
5.

Hong Kong China
6.

India
7.

Ireland
8.

Japan
9.

Korea
10.

Malaysia
11.

New Zealand
12.

Russia
13.

Singapore
14.

South Africa
15.

Sri Lanka
16.

Turkey
17.

United States
18.

United Kingdom
19.

Pakistan
20.

Peru
21.

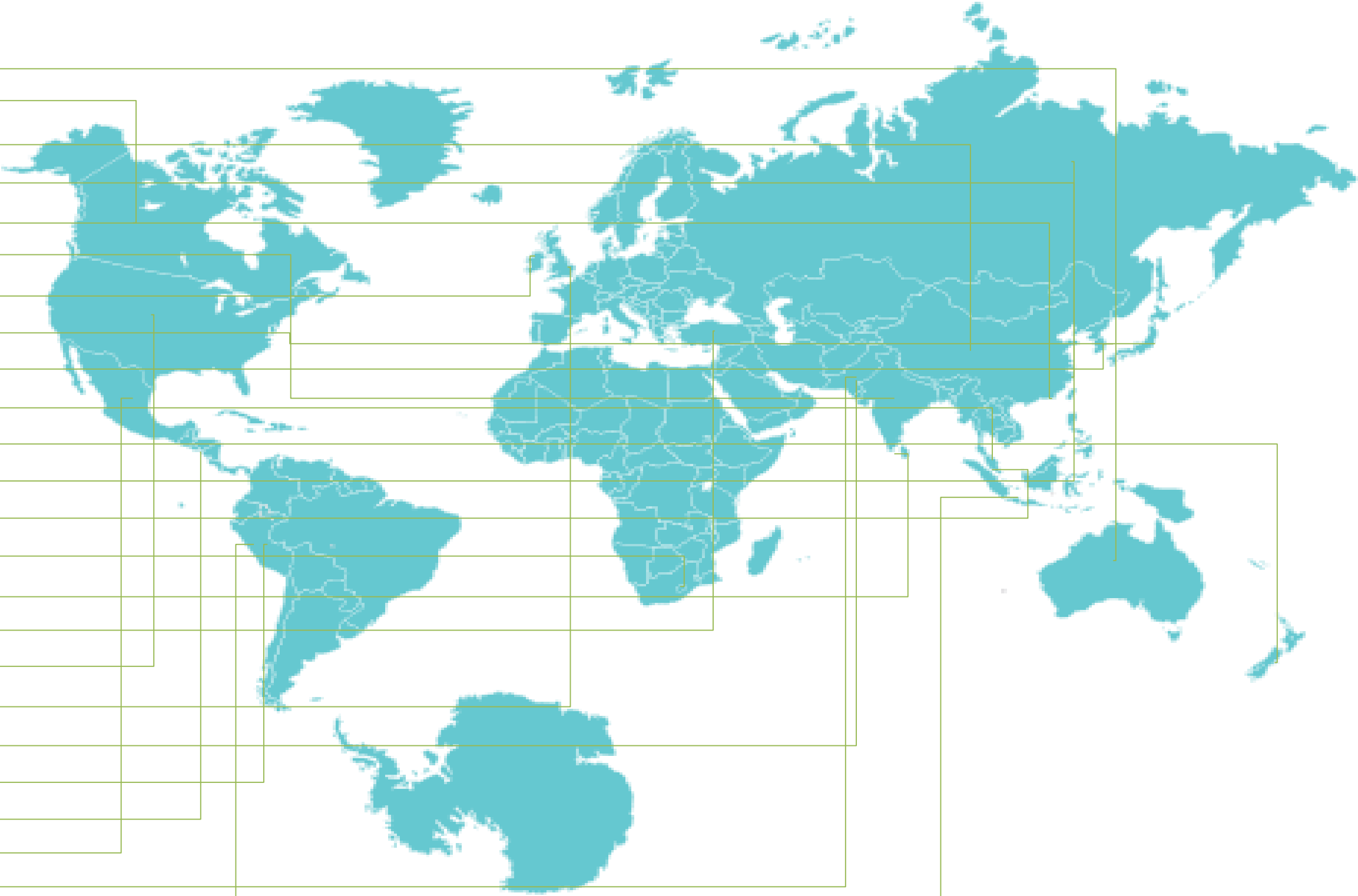
Costa Rica
22.

Mexico
23.

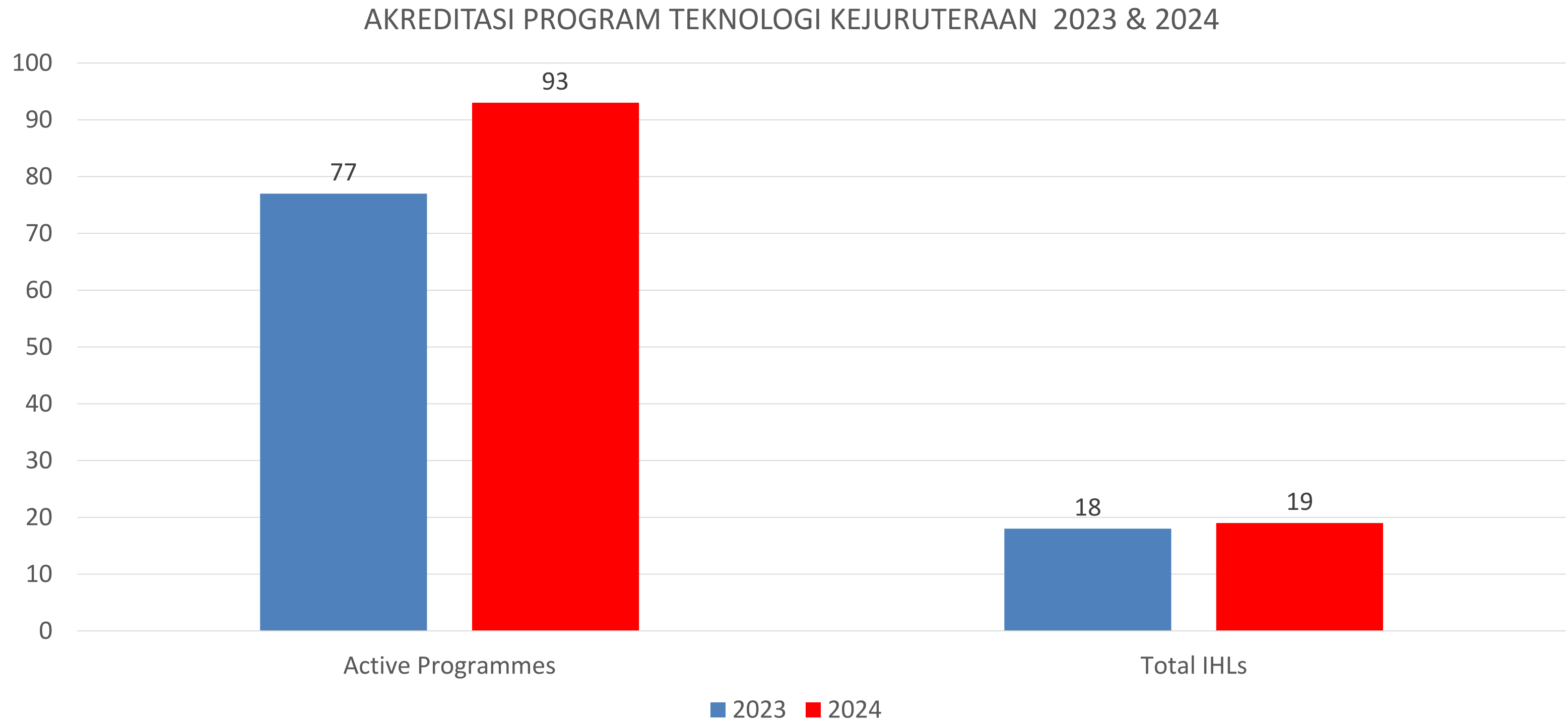
Pakistan
24.

Peru
25.

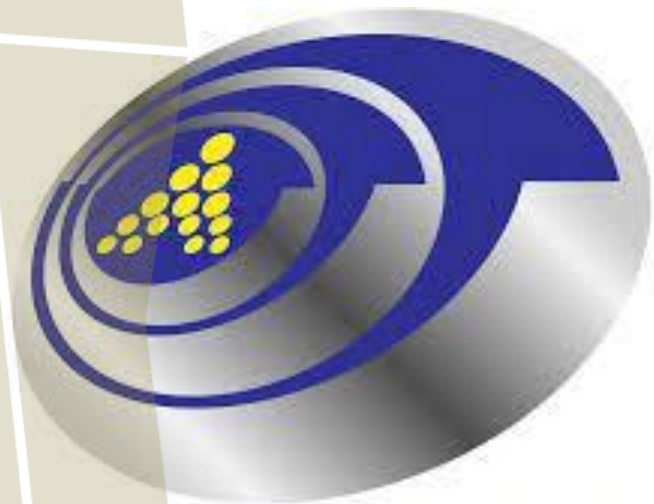
Indonesia



ACCREDITED ENGINEERING TECHNOLOGY PROGRAMME 2023 & 2024

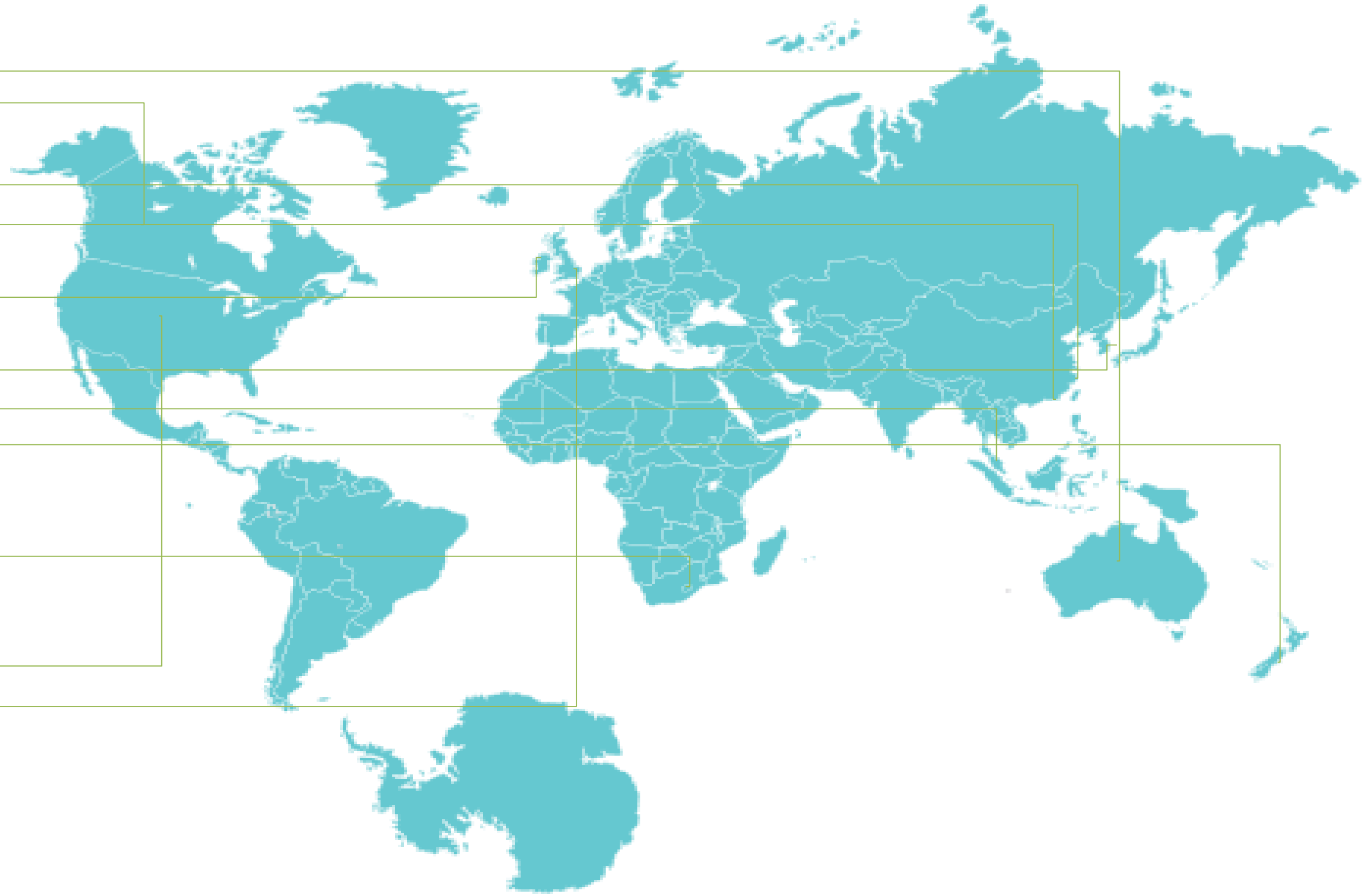


ACCREDITED ENGINEERING TECHNOLOGY PROGRAMME

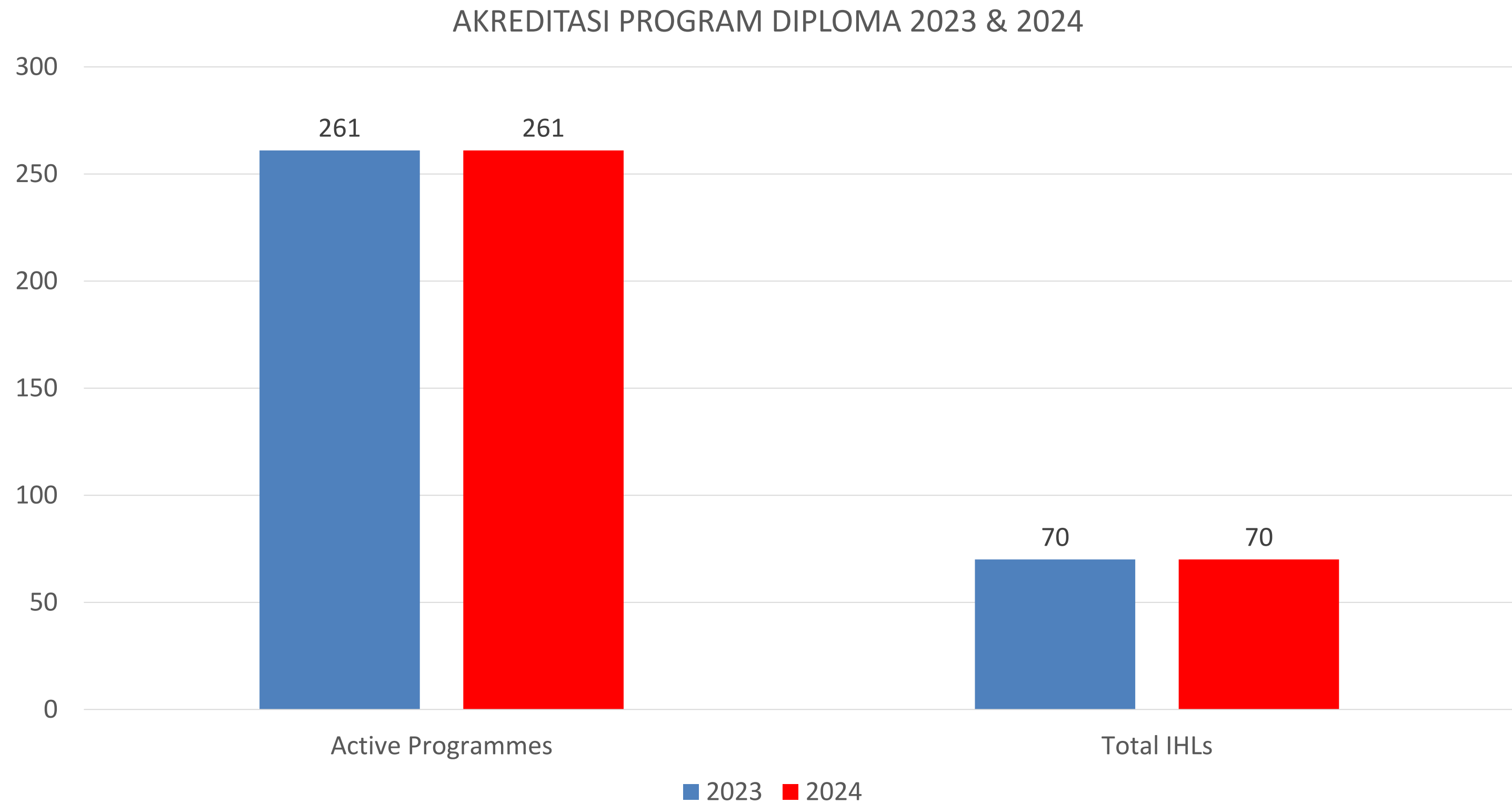


SYDNEY ACCORD SIGNATORIES

1. Australia
2. Canada
3. Chinese Taipei - Taiwan
4. Hong Kong China
5. Ireland
6. Korea
7. Malaysia
8. New Zealand
9. South Africa
10. United States
11. United Kingdom



ACCREDITED ENGINEERING DIPLOMA PROGRAMME 2022 & 2023

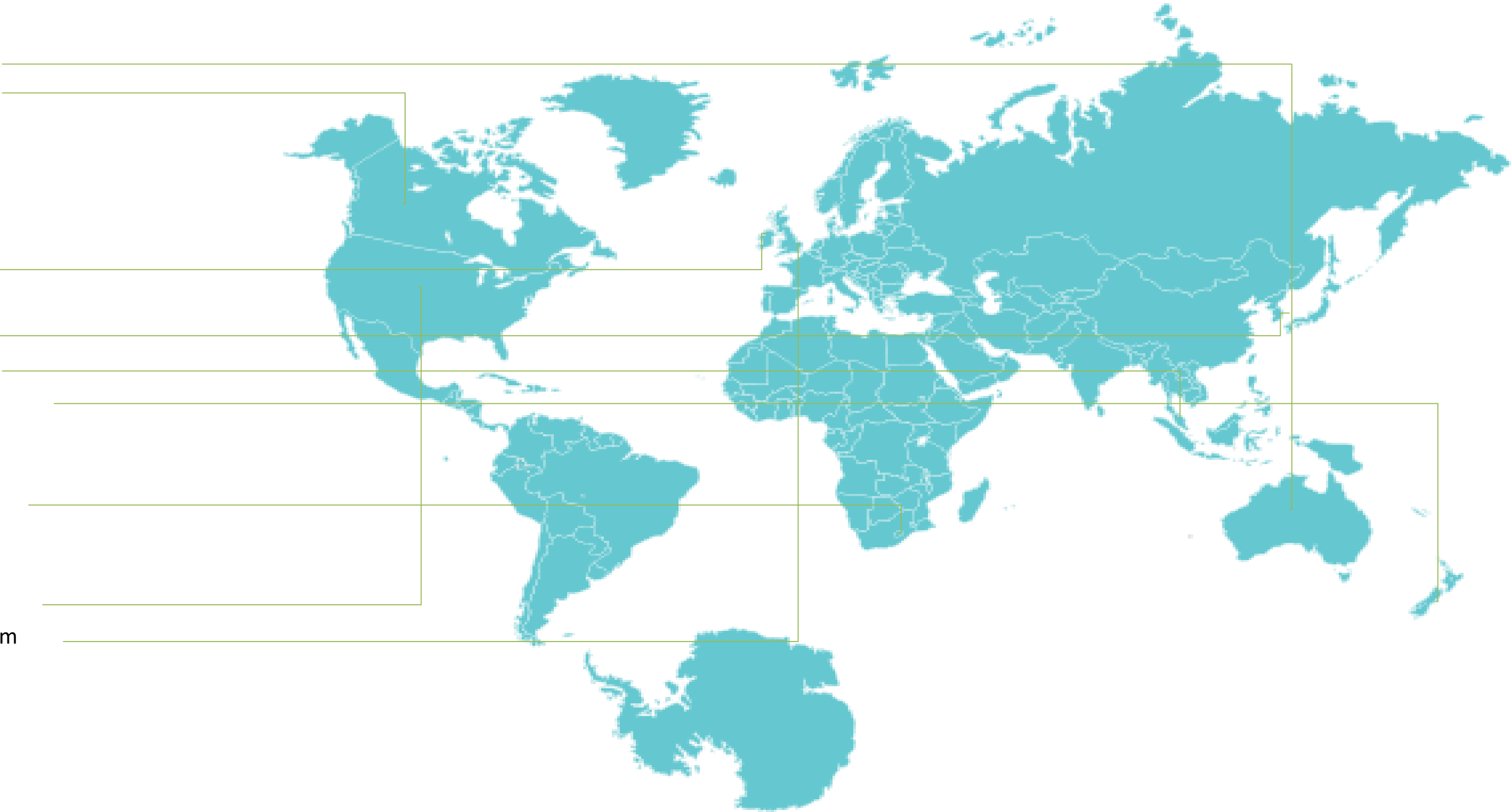


ACCREDITED ENGINEERING DIPLOMA PROGRAMME



DUBLIN ACCORD SIGNATORIES

- 1. Australia
- 2. Canada
- 3. Ireland
- 4. Korea
- 5. Malaysia
- 6. New Zealand
- 7. South Africa
- 8. United States
- 9. United Kingdom



LIST 37 IHLS SIGNED MOU WITH BEM



BEM DIGITAL TRANSFORMATION

BEM MyBEM System v2

- Operational since year 2019
- A modernization and updated version
- Facilitate fully online registration, renewal, CPD records etc.
- Make payment online
- Simple renewal process

BEM Customer Service Management System

- Fully operational since year 2020
- Certificate of Completion & Compliance system for engineers
- No processing fee

BEM CCC System

- Fully operational since year 2021
- Certificate of Completion & Compliance system for engineers
- No processing fee

BEM DIGITAL MODERNISATION



BEM-ECP Safety, Health and
Environmental Excellence Award
(BESHEXA) System



National Young Engineering Icon
Award System



Engineering Innovation Excellence
Award System



National Engineering Icon Award
System

BEM Award System

- Develop fully in-house
- Operational early 2024
- 4 different systems with each different requirement
- Facilitate all operation fully online



7 WEBINARS (up to 30.9.2024)

BEM
Webinar
2024 Series

16 JULY
2024
10.30AM
12.30PM
2 CPD HOURS

Who should attend?
Registered Persons:
Professional Engineers
Graduate Engineers (G)
Engineering Technologists
Inspectors of Works (IO)

BEM
Webinar
2024 Series

30 JULY
2024
10.30AM
12.30PM
2 CPD HOURS

Who should attend?
Registered Persons:
Professional Engineers
Graduate Engineers (G)
Engineering Technologists
Inspectors of Works (IO)

ZOOM BEMEngineers BEM_Engineers

LESSONS LEARNED ON INFRINGEMENTS OF PROFESSIONAL CONDUCTS

ZOOM BEMEngineers BEM_Engineers

IMPLEMENTATION OF MACC ACT SECTION 17A

ZOOM BEMEngineers BEM_Engineers

30 SEPT 2024 10.00AM - 12.00PM

BEM
Webinar
2024 Series

2 CPD HOURS

PROFESSIONAL COMPETENCY EXAMINATION (PCE)



Moderator
Ir. PREM KUMAR
Chairman
PCE Working Committee



Speaker 1
Ir. CHEN THIAM LEONG
Chairman
PCE Working Committee (Common)



Speaker 2
Ir. BRUCE CHAN SIEW KEAT
Chairman
PCE Working Committee (Civil)



Speaker 3
Ir. WONG SHU LEONG
Chairman
PCE Working Committee (Electrical)



Speaker 4
Ir. AU CHONG HUN
Chairman
PCE Working Committee (Mechanical)



Speaker 5
Ir. Dr. CHAN SWEE HUAT
Chairman
PCE Working Committee (Geotechnical)



Speaker 6
PROF. Ir. Dr. LAW CHUNG LIM
Chairman
PCE Working Committee (Chemical)



Speaker 7
Ir. Dr. SELAMAT BIN ALIMAN
Chairman
PCE Working Committee (Mining)



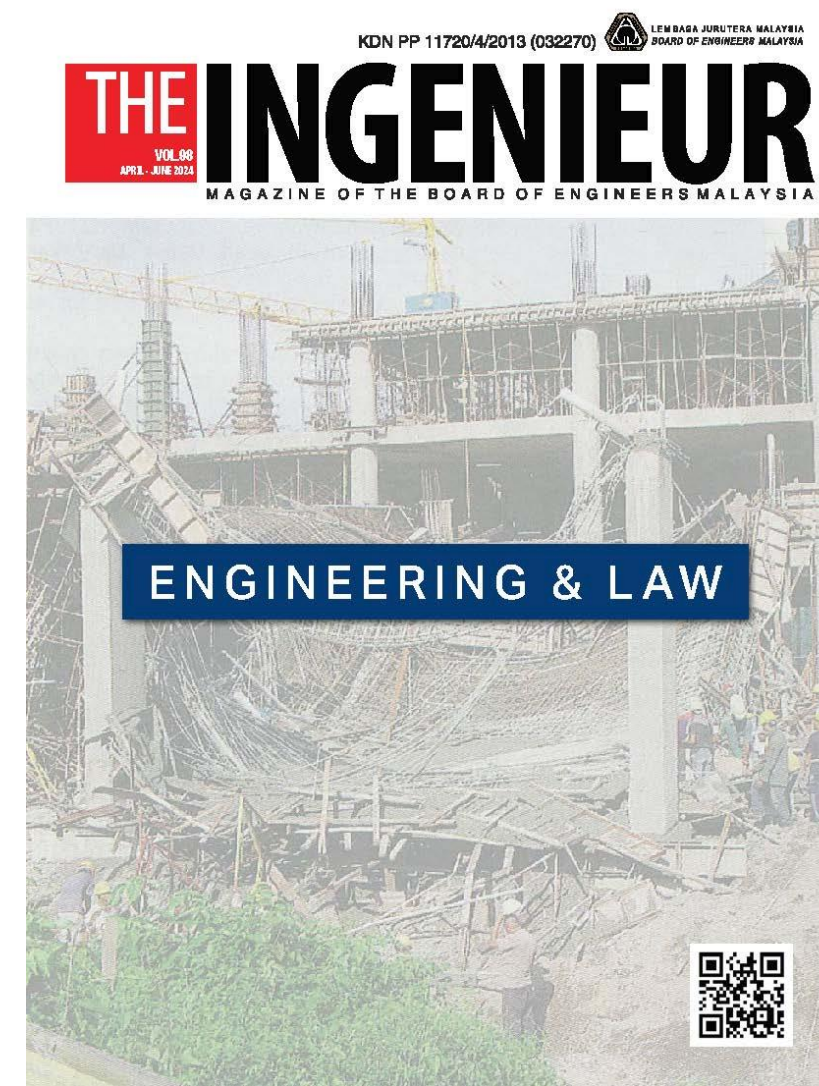
Speaker 8
PROF. Ir. Dr. ABDUL AZIZ BIN ABDUL RAMAN
Chairman
PCE Working Committee (Environmental)



Speaker 9
DATO' PROF. EMERITUS Ir. Dr. HASSAN BIN BASRI
Chairman
PCE Working Committee (Transportation)

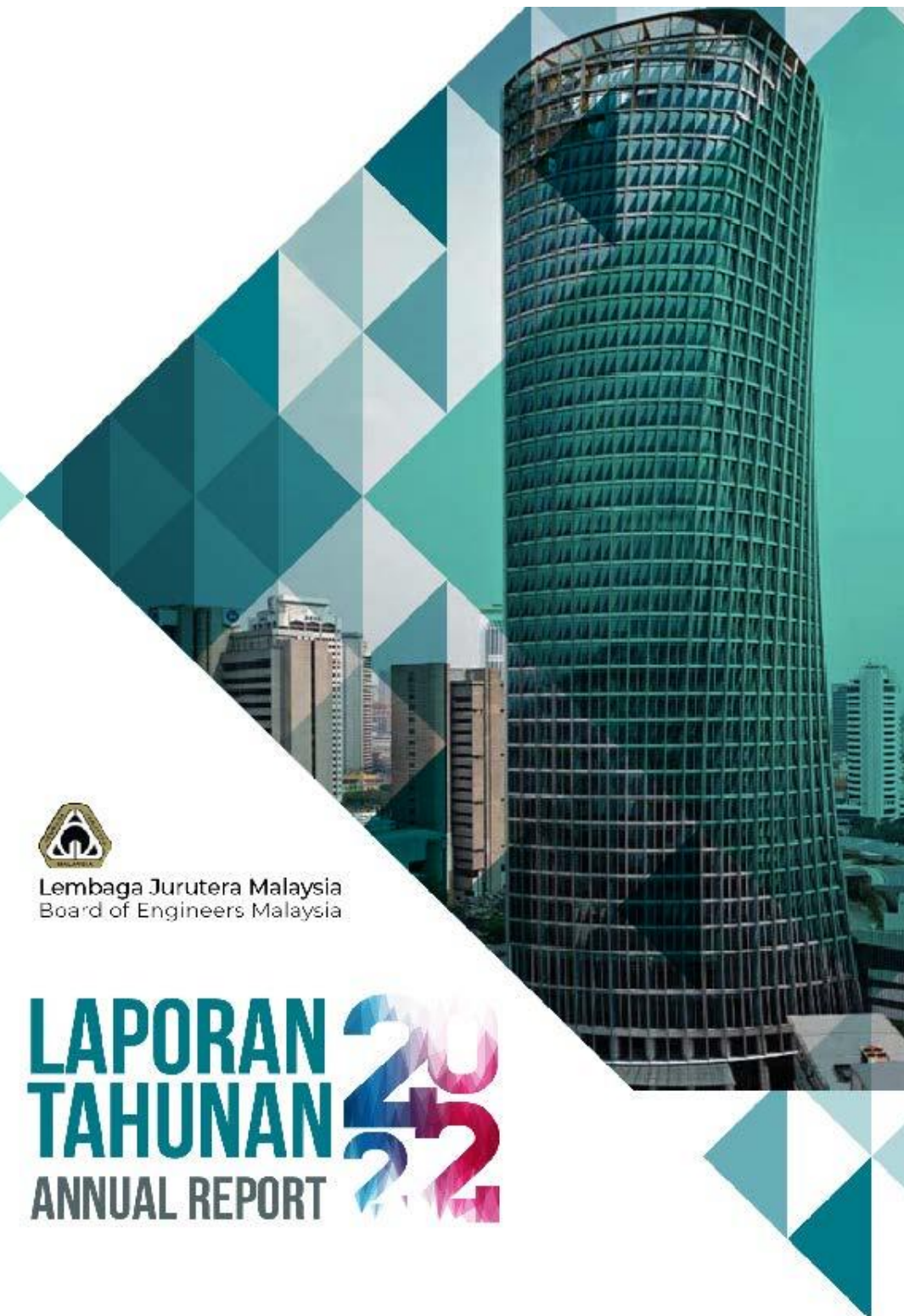
Who should attend? Registered Professional Engineers (PE)

Publication – THE INGENIEUR MAGAZINE




100th Edition on the way~

Publication – BEM ANNUAL REPORT



Publication – BEM CIRCULARS & GUIDLINES



Rev. No. : 1
Date : 13.10.2021

BOARD OF ENGINEERS MALAYSIA

CIRCULAR NO. 002

CONTINUING PROFESSIONAL DEVELOPMENT (CPD) REQUIREMENTS

This Circular is a revised version of Circular No. 002 (Rev. No.: 0, Date: 6.2.2017)


IN exercise of powers conferred by Sections 13(2) and 13(3) of Act 138 Registration of Engineers Act 1967 (Revised up to 2015), and Regulation 20(1)(b) of the Registration of Engineers Regulations 1990 [P.U.(A) 128] (Revised up to 2015), the Board of Engineers Malaysia (BEM) hereby prescribes further conditions to be satisfied for the purpose of issuance of the Certificate of Registration to Registered Professional Engineers with Practising Certificates, Registered Professional Engineers and Registered Inspectors of Works as stated herein below.

1. The BEM in performing its functions under Section 4(1)(ec) of Act 138 Registration of Engineers Act 1967 (Revised up to 2015) has caused a mandatory Continuing Professional Development (CPD) Programme to be undertaken by all Registered Professional Engineers with Practising Certificates, Registered Professional Engineers and Registered Inspectors of Works.
2. This Circular states the conditions prescribed by the BEM in respect of the fulfilment on the required CPD Programme for the purpose of renewal of the annual Certificate of Registration for Registered Professional Engineers with Practising Certificates and Registered Professional Engineers; and the triennial (once every three years) Certificate of Registration for Registered Inspectors of Works.

DEFINITIONS

3. For the purpose of this Circular the following definitions shall apply. Unless defined below, all other terms used shall be as defined in the Registration of Engineers Act 1967 (Revised up to 2015).

CPD Programme	: The cumulative CPD Activities over a calendar year which contribute towards the Continuing Professional Development of a Registered Professional Engineer with Practising Certificates (PEPC), a Registered Professional Engineers (PE) or a Registered Inspectors of Works (IOW). Such a contribution would be reflected by the CPD Hours collected by the said PEPC, PE or IOW.
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Rev. No.: 0
Date: 13.3.2022


BOARD OF ENGINEERS MALAYSIA

GUIDELINE NO. 006

GENERAL GUIDELINES ON INTEGRITY MANAGEMENT SYSTEM FOR ENGINEERING CONSULTANCY PRACTICE

1. **PURPOSE**

The purpose of this guideline is to assist Engineering Consultancy Practice (ECP) in establishing an Integrity Management System (IMS) in line with the principles stated in the Guidelines on Adequate Procedures issued by the Prime Minister Office of Malaysia.¹ The IMS is aimed at assisting ECPs who is a professional as well as a commercial organisation to prevent the occurrence of corrupt practices, manage its integrity risks and implement its integrity policies. IMS if properly implemented can be relied upon as a defence in legal action faced by ECPs under the Corporate Liability Law introduced via Section 17A of the Malaysian Anti-Corruption Commission (Amendment) Act 2018.¹¹
2. **BACKGROUND**
 - 2.1 Eradicating corruption has become a high priority agenda in Malaysia. This agenda is also important as it helps protect the reputation of companies and businesses while promoting the development of sustainable and socially responsible practices vital to nation building. The Board of Engineers Malaysia (BEM) is aligned with the Government of Malaysia to promote integrity, good ethical practices and good governance in the fight against corruption and malpractices. In materializing this, BEM in collaboration with Institute of Integrity Malaysia (IIM) has prepared this guideline aimed to create awareness and to promote the implementation of IMS amongst ECP and professional engineers. The beneficial effects of integrity initiatives also bode well for the ECP's through improvements in their competitiveness.
 - 2.2 ECPs and Registered Persons registered with the BEM¹², is expected to display the highest standard of integrity in carrying out there services as it directly impacts public health, safety, and welfare. Integrity is the practice of maintaining appropriate ethical behaviour and showing strong adherence to moral and ethical principles and values such as honesty, impartiality, fairness, equity, dependability and trustworthiness.
 - 2.3 Integrity is the foundation for a successful Client-ECP relationship and essential for the long-term sustainability of an ECP. It is also in line with international best practice.¹³ ECPs with ISO 37001: 2016¹⁴ certification has become a pre-requisite for many project participation.



Rev. No.: 0
Date: 24.6.2022

BOARD OF ENGINEERS MALAYSIA

CIRCULAR NO. 012

EXEMPTION OF BUSINESS PREMISE LICENCE FOR ENGINEERING CONSULTANCY PRACTICE (ECP)


In exercise of the powers conferred by paragraph 4(1)(f) of the Registration of Engineers Act 1967 [Act 138], the Board of Engineers Malaysia (the Board) hereby determines that:

ECPs are exempted from applying for Business Premise License from Pihak Berkuasa Tempatan (PBT) as stipulated under section 102(s) of the Local Government Act 1976 (Act 171).

This is pursuant to the decision of the meeting "Majlis Negara bagi Kerajaan Tempatan" (MKNT) No.27 (a copy of which is attached in Appendix A) held on 4th December 1982.

A more recent circular from Kementerian Perumahan dan Kerajaan Tempatan to all relevant PBTs reference no JKT.D(S)100-3/6Jld20 (32) dated 30th September 2020 (a copy of which is also attached in Appendix B) relating to the same matter is also referred.

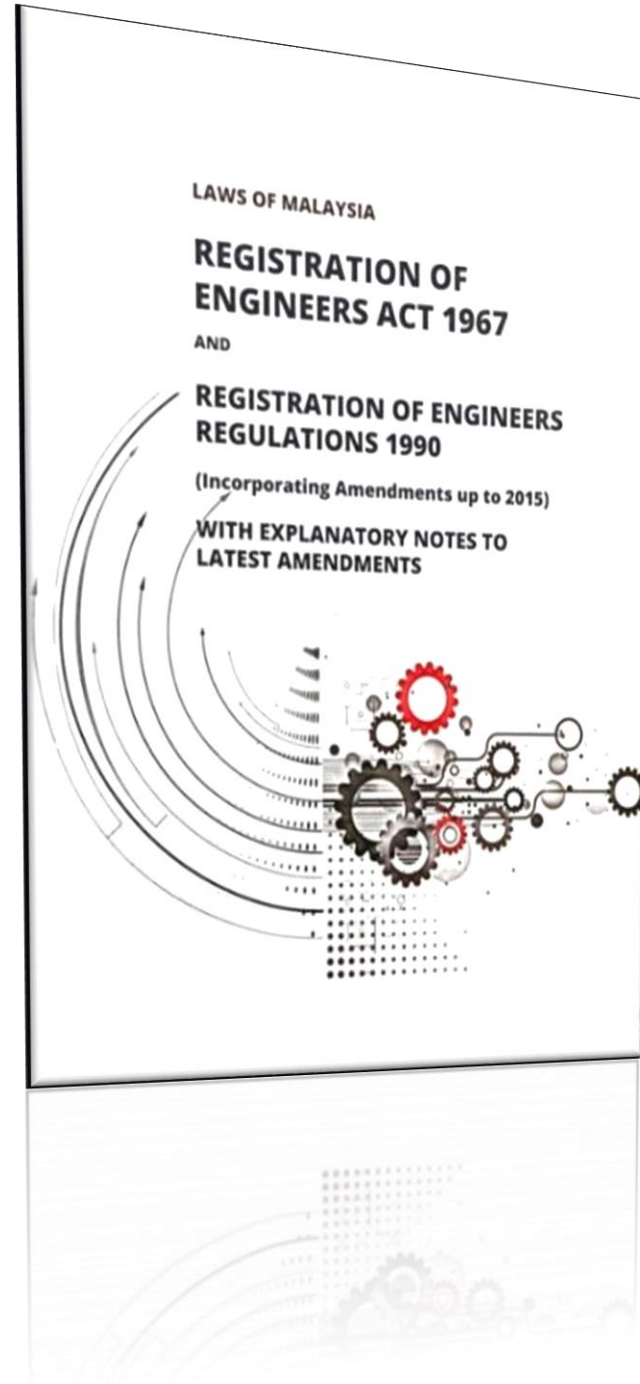
[Board Meeting 349th / 24th June, 2022]



DATUK Ir. HAJI MOHAMAD ZULKEFLY BIN SULAIMAN
President
BOARD OF ENGINEERS MALAYSIA

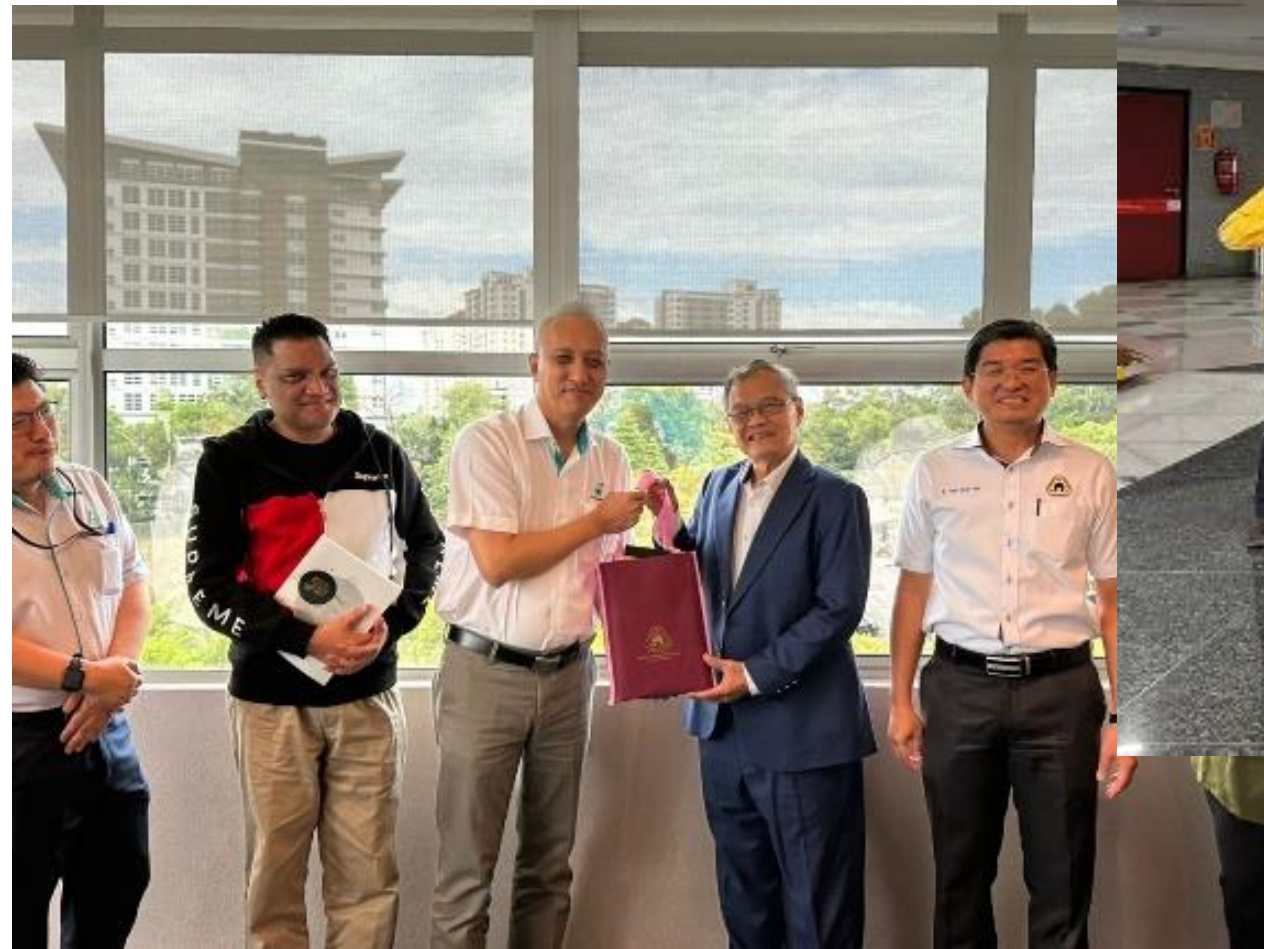
2024 HIGHLIGHTS





THE REGISTRATION OF ENGINEERS ACT 1967

is in the process of amendment



**Visit to Petronas
Research Sdn Bhd
(14.2.2024)**

BEM
EMPOWERING ENGINEERING





**Visit to TNB
(8.5.2024)**





**BEM Outreach
Programme &
Registration Drive
DRB-Hicom (21.5.2024)**



**BEM Outreach
Programme &
Registration Drive
PRSB (27.5.2024)**



BEM
EMPOWERING ENGINEERING



**Visit to CIDB
(31.5.2024)**





**Courtesy Visit
from IEM
(27.6.2024)**





**Visit from Jawatankuasa
Gabungan Jurutera Perunding
Bumiputra Sarawak
(27.6.2024)**





**Visit to MBAM
(11.7.2024)**





**Visit to Putrajaya Holdings
(15.7.2024)**





**Visit to HONDA Malaysia
(11.7.2024)**





Bengkel Penyediaan Kertas Siasatan (27 – 28.8.2024)



Sin Chew

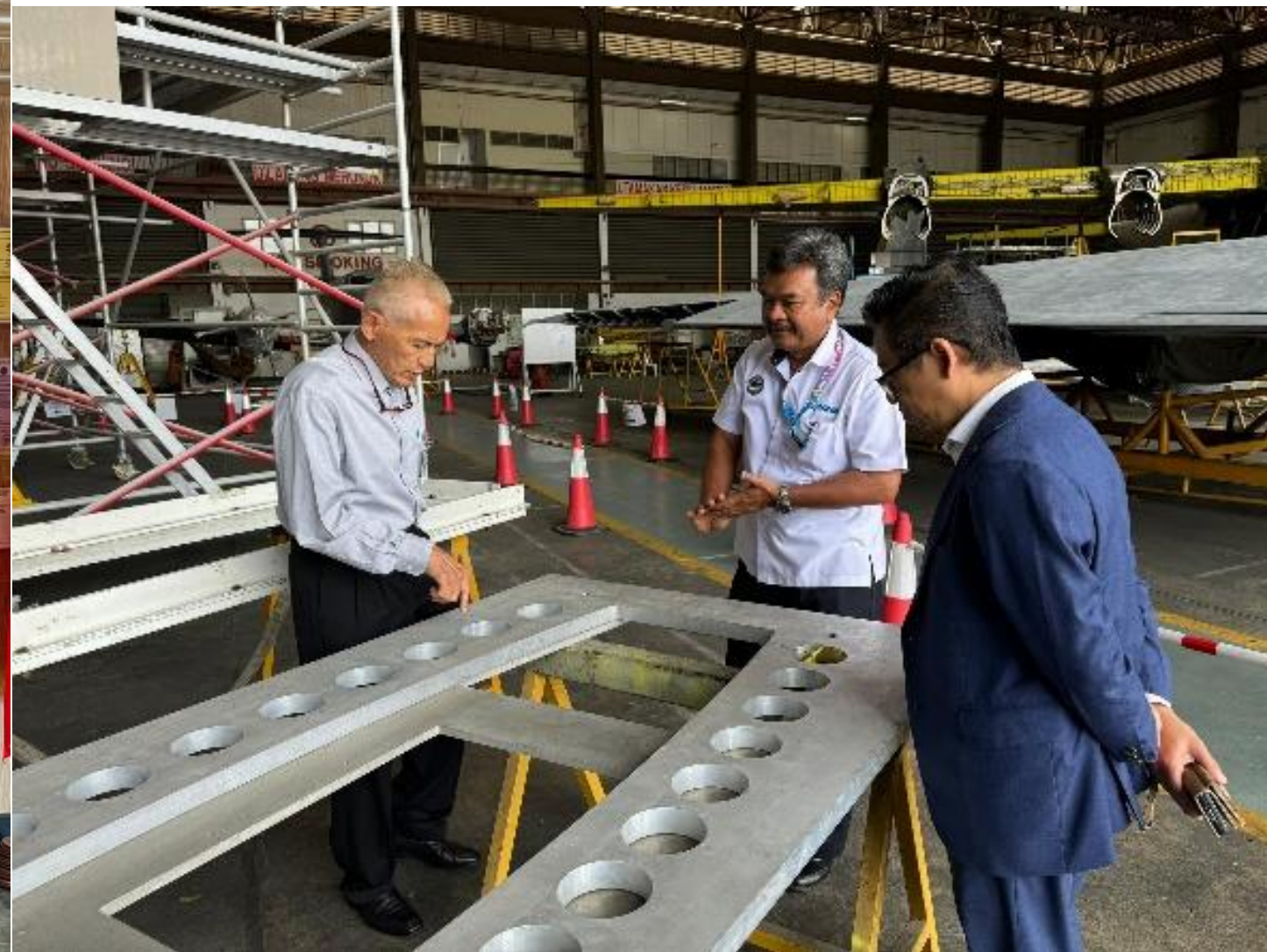


NSTP



Media Mulia

Media visitation



And many more...



106th Meeting of ASEAN
Coordinating Committee on Services
and Its Related Meetings, Indonesia
(ACPE)



International Engineering
Alliance(IEAM) 2024, India

**ASEAN CCS Meetings
3 times a year**





KEJURUTERAAN SEBAGAI KERJAYA
PILIHAN
(7.6.2024)



JURUTERA DAN TEKNOLOGIS
KEJURUTERAAN PADA ERA KINI
(21.8.2024)

Media Appearance

THANK YOU



“Committed To Engineering Excellence”

BOARD OF ENGINEERS MALAYSIA

Tingkat 11 & 17, Blok F Ibu Pejabat JKR

Jalan Sultan Salahuddin, 50580 Kuala Lumpur

<http://www.bem.org.my>

enquiry@bem.org.my or complaint@bem.org.my.

Tel: 03-26912090; Fax: 03-26925017

