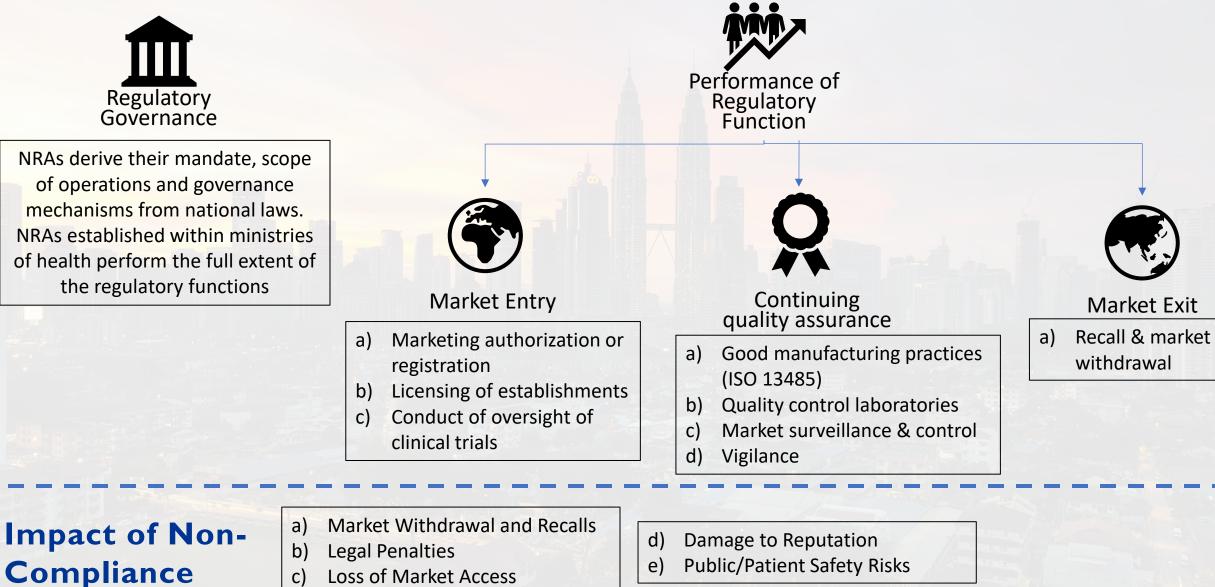


HOW TO REGULATE WITH EXCELLENCE: ACHIEVING REGULATORY EXCELLENCE

by Dr. Muralitharan Paramasua, Chief Executive, MDA

Regulatory Landscape for Medical Devices



Loss of Market Access c)

Source: WHO COUNTRY REGULATORY LANDSCAPE OF MEDICAL PRODUCTS

1. Strategic Focus on Regulatory Governance in Medical Devices

ELEVENTH MALAYSIA PLAN 2016-2020 ANCHORING GROWTH ON PEOPLE

The **medical devices sector** has been identified as a **priority growth area** with a gradual shift towards the manufacture of highervalue medical devices such as orthopaedic products, surgical instruments & diagnostic radiographic equipment.



The **medical devices** sector was mentioned as one of the strategic and high impact industries in the 12th Malaysian Plan.



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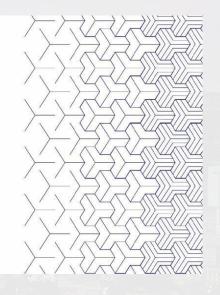


Table 1.1: Sectors Covered in NIMP 2030

Sectors	Industry	Relevant Sector-specific Policies
Priority Sectors	 Aerospace Chemical Electrical and Electronics (E&E) Pharmaceutical 	 Aerospace Industry Blueprint 2010 Chemical Industry Roadmap 2030 Malaysia Plastics Sustainability Roadmap 2021-2030
<	5. Medical Devices	 E&E Roadmap 2021-2030 Malaysian National Medicines Policy

2. Government Role in Strengthening Medical Device Ecosystem



2. Government Support, Infrastructure & Ecosystem : Incentives

INCENTIVES – MEDICAL DEVICES : Promoted Activities under Promotion Investment Act (1986)

GENERAL INCENTIVE

Manufacture of professional, medical, scientific and measuring devices/parts

"Medical, surgical, dental or veterinary devices or equipment and parts or components/ accessories thereof"

Pioneer Status

<u>70%</u> Income tax exemption from t statutory income for **<u>5 years.</u>**

Investment Tax Allowance

60% of Investment Tax Allowance on qualifying capital expenditure incurred within a period of 5 years to be offset up to 70% of statutory income.

OR HIGH TECHNOLOGY INCENTIVE

Design, development and manufacture of

"Medical, surgical, dental or veterinary devices or equipment and parts or components/ accessories thereof"

Pioneer Status

Or:

100% Income tax exemption from the statutory income for **<u>5 years.</u>**

Investment Tax Allowance

60% Tax Allowance on qualifying capital expenditure incurred within a period of 5 years to be offset up to 100% of statutory income.

2 ADDITIONAL CONDITIONS FOR HIGH TECH INCENTIVE:-

Science & Technical staffs (degree OR diploma min 5 years experience) <u>at least 15%</u> of total manpower;

Annual R&D expenditure <u>at least 1%</u> from annual gross sales

Or;

2. Government Support, Infrastructure & Ecosystem: Building Manufacturing Hub

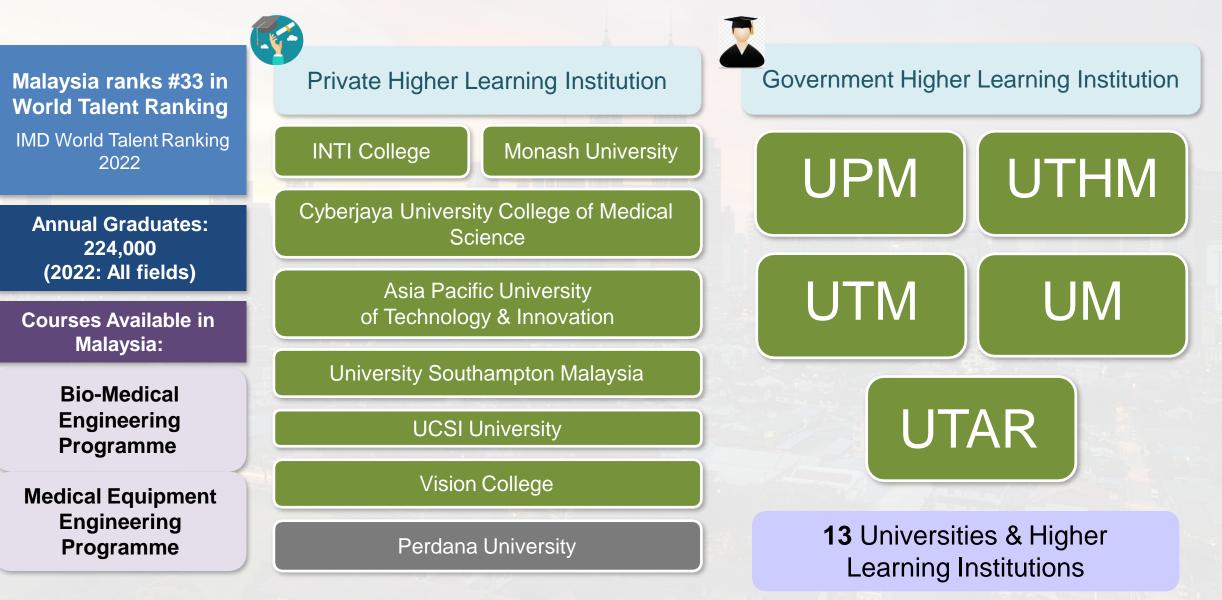
Malaysia is One of the Global Offshore Manufacturing Hubs for Medical Devices



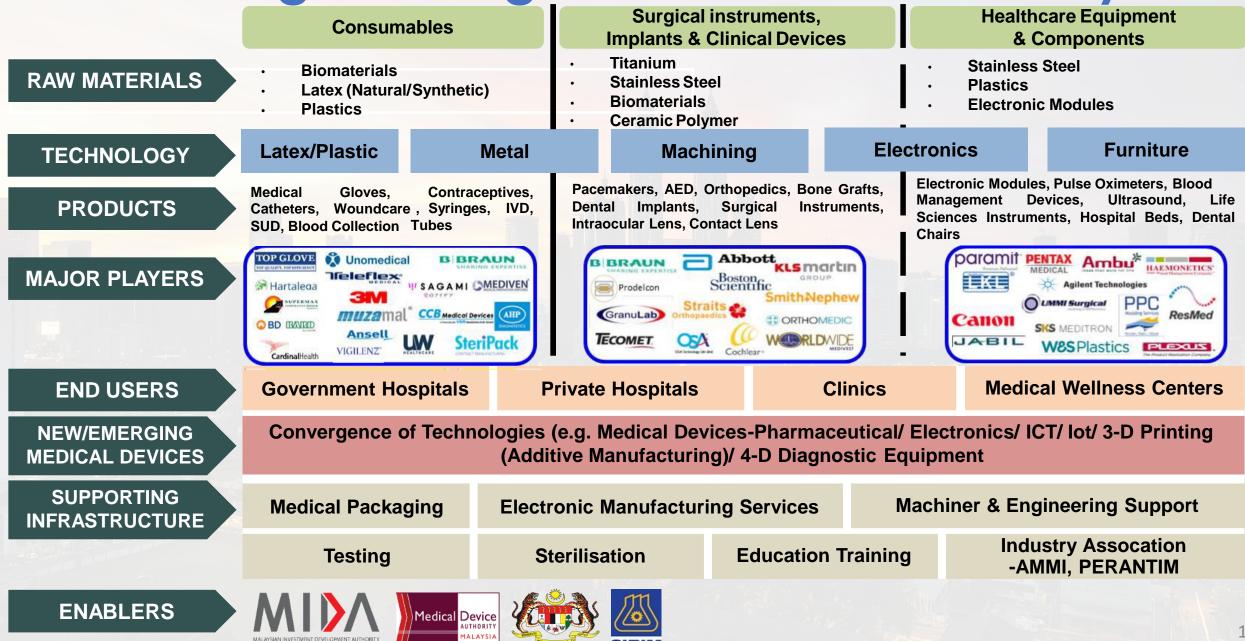
Malaysia has the highest concentration of medical device MNCs' manufacturing sites in ASEAN



2. Government Support, Infrastructure & Ecosystem: Talent Development in Innovation



3. Building a Strong Medical Device Ecosystem

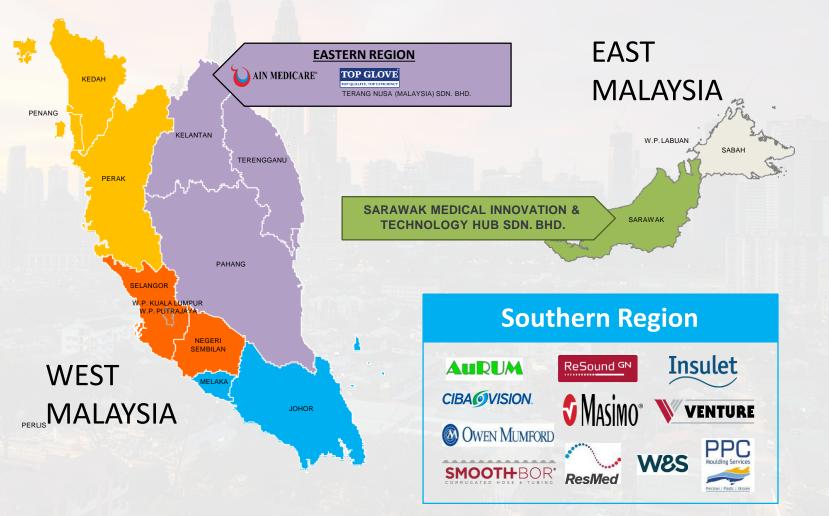


3. Building a Strong Medical Device Ecosystem

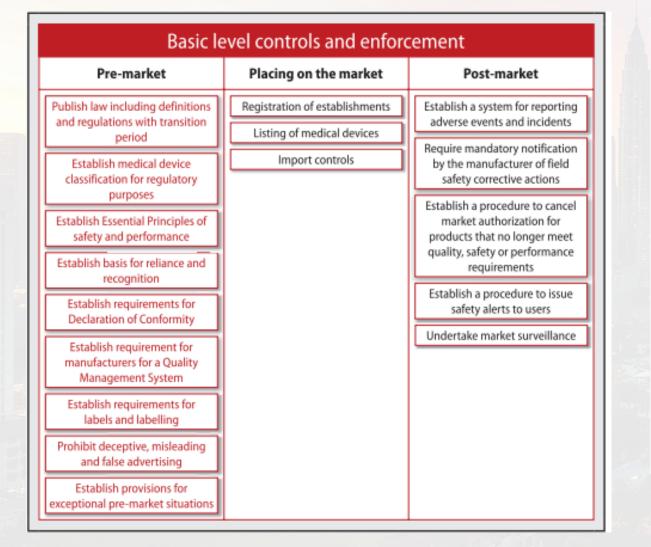
Northern Region Abbott Ambu⁺ MEHow **B** BRAUN **S**cientific **KLS** martin TECOMET GROUP Advancing science for life™ Smith-Nephew PENTAX **HAEMONETICS[®]** MEDICAL THE Blood Management Company VISCO Bactiguard IDEALCARE MEDIVEN Straits 📽 Orthopaedics **CCB** Medical Devices **BARD** LEPU MEDICAL **Central Region**



GEOGRAPHICAL DISTRIBUTION



4. Adapting and Strengthening the Regulatory Framework



Pre-market	Placing on the market	Post-market	
Create oversight of clinical investigation	Perform in-country quality management systems audits	Establish processes for review of manufacturer's post-market surveillance	
Appoint and have oversight of conformity assessment bodies (CAB) Adopt standards	Perform review of submissions for compliance with Essential Principles	Require mandatory and timely reporting of adverse events and incidents by manufacturers	
Adopt medical device nomenclature system		Inspection of registered establishments	
Control advertising and promotion		Provide for testing laboratories	

SOURCE: WHO Global Model Regulatory Framework for medical devices including in vitro diagnostic medical devices, Annex 3

4. Adapting and Strengthening the Regulatory Framework: Current Trends

Innovative/ Advanced Medical Device Industry

Harmonization, Convergence and reliance Unique Device Identifier (UDI)

Artificial Intelligence in Medical Devices: Regulatory Consideration

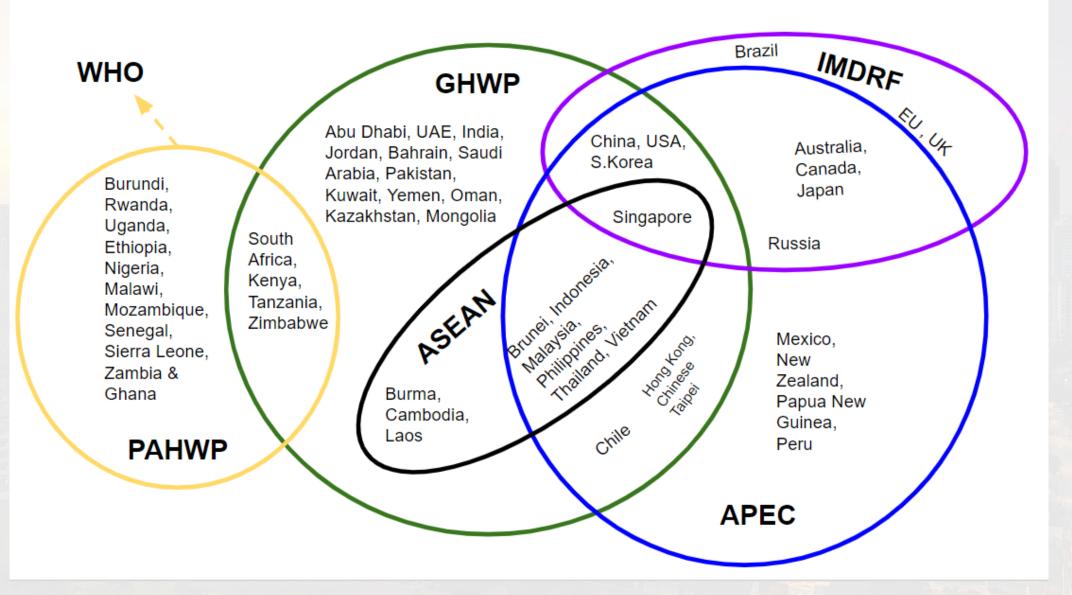
Data privacy, security and protection

E-labeling

Evolution of Software as a Medical Device (SaMD) Cybersecurity

Real World Data / Real World Evidence Post-Market Surveillance: National Competent Authority Report

5. GLOBAL REGULATORY CONVERGENCE/ HARMONISATION INITIATIVE



5. GLOBAL REGULATORY RELIANCE/ CONVERGENCE/ HARMONISATION INITIATIVE



Promoting Good Regulatory and Reliance Practices

Good regulatory practices

Set of principles and practices applied to the development, implementation and review of regulatory instruments in order to achieve a public health policy objectives in the most efficient way



Addressing responses to **common gaps in regulatory practices** identified during benchmarking of national regulatory systems



Relevant to all regulators, irrespective of resources, maturity or regulatory models (national, supranational and multiple institutions)

Good reliance practices

• The act whereby the regulatory authority in one jurisdiction takes into account and gives significant weight to assessments performed by another regulatory authority or trusted institution, or to any other authoritative information in reaching its own decision.

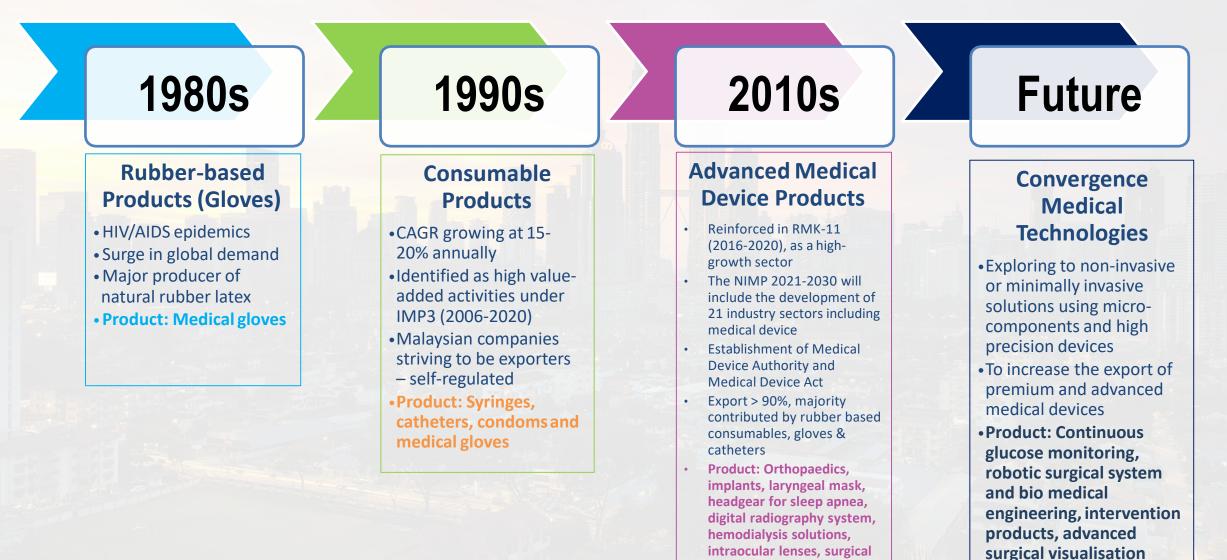


Importance of **international cooperation** to ensure the safety, quality and efficacy or performance of locally used medical products



Make best use of available resources and expertise, avoid duplication and concentrate regulatory efforts and resources where most needed

6. Future Regulatory Facilitation: Advancing Malaysia's Medical Device Industry Milestones



instruments

7. Economic Impact of Medical Device Investment: Medical Device Investments Over the Past 5 Years

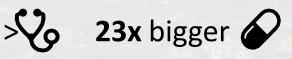
Description	Medical Devices Sector 🏷	Pharmaceutical Sector
Total Approved Investments (2019-2023)	RM28.1 billion	RM1.2 billion
New Job Opportunities (2019-2023)	45,166	1,136



Dexcom

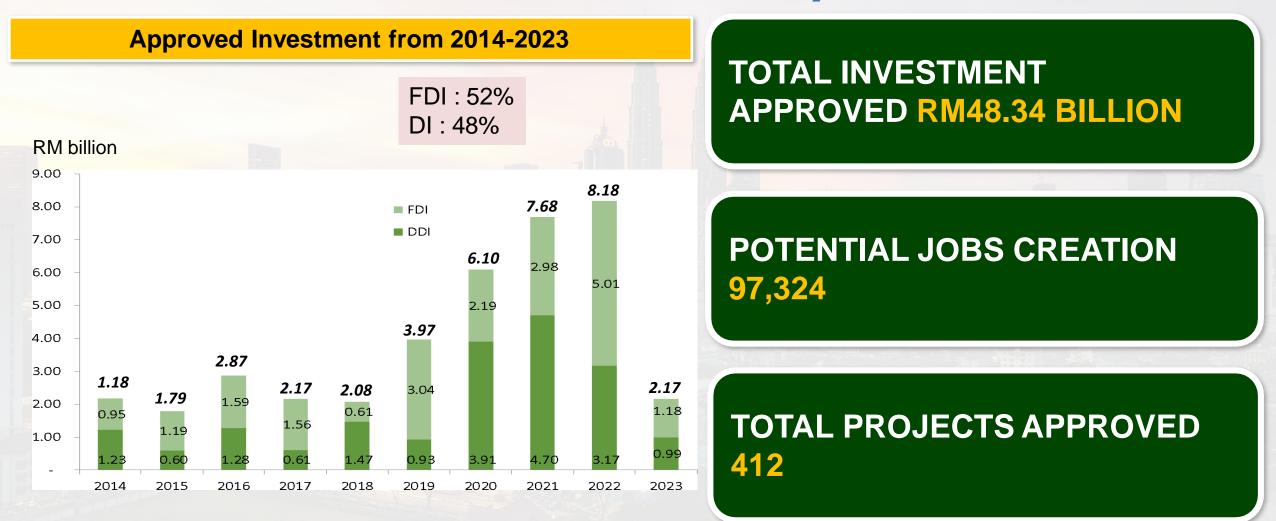
Source: Malaysia Investment Performance Report 2019-2023

Approved Investments





7. Economic Impact of Medical Device Investment: Malaysia



Source: Malaysian Investment Development Authority (MIDA)

THE END THANK YOU