



# Taiwan Smart Healthcare Ecosystem

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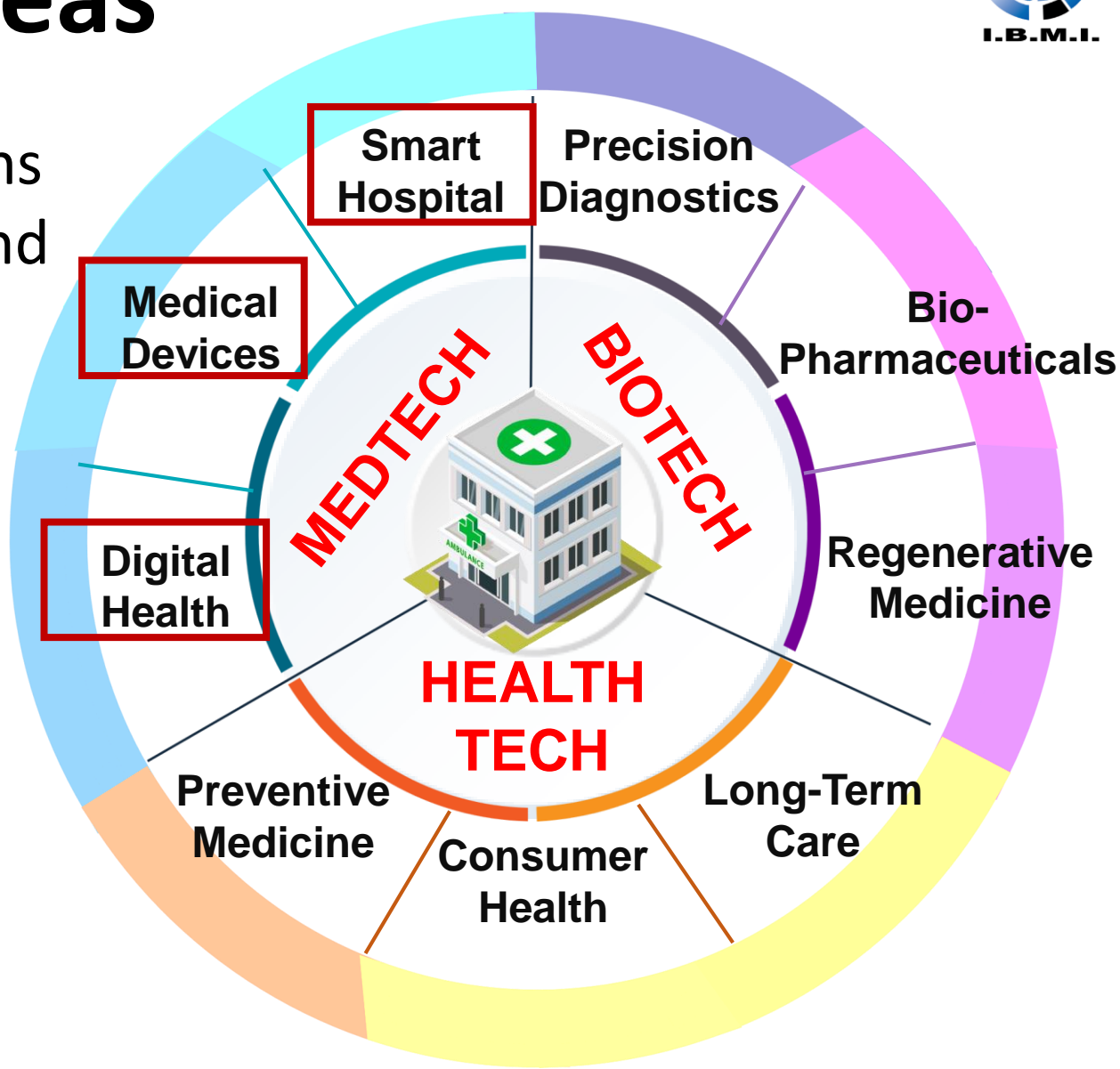
# I. Taiwan Industry Overview

- Focus Areas
- Digital Health R&D
- Successful Solutions for Smart Hospitals

# II. International cooperation

# Taiwan- Focused Areas

The IBMI accelerates collaborations between the **Medtech, Biotech** and **Health tech** sectors, providing them a platform to display novel technologies and solutions and inspiring innovations and partnerships in healthcare.



# Digital Health R&D

## Prevention & Detection

Company

ASUS

acer  
Medical

COMPAL  
仁齊電腦

EVER  
FORTUNE.AI

TCI GENE  
Predict Prevent Personalization  
TCI GENE INC

AcroViz  
Technology

安奕生技  
ACCUIN BioTech

amwise  
安智生醫

LTPA  
樂齡醫健  
Leisure Time - Physical Activity

SMART SURGERY  
慧術科技股份有限公司

eped

DKABio

Focus Areas

- MRI-based tumour image classification
- Breast cancer recurrence risk assessment
- Tumour metastasis and recurrence assessment

- **Genetic Testing and Cell Therapy**
- Early prediction of dementia
- AI-assisted risk assessment of dementia
- Analytical services for health risk
- Auto-analysis of cardiovascular imaging system

# Digital Health R&D

## Monitoring & Screening

Company

**Biomedica**  
Simple & Precise

**CHIEF**



**wistron**



**FocalTech**



**Jubo**



**COMGO**



Focus Areas

- **AI Technology for Osteoporosis Screening**
- Chronic disease care platform
- AI-assisted vital sign monitoring
- AI-assisted dermatological disease monitoring
- AI in medication and wound care

- **Telehealth Service and Case Sharing**
- Cloud-based health platform
- Stress EEG assessment
- EKG software
- Real-time heart rate monitoring
- Mobile health application

# Digital Health R&D

## Diagnostics

Company



Focus Areas

- **Low Dose CT AI for Lung Cancer Screening**
- **Smart Medication via Molecular Diagnostics**
- AI-based diagnostics for diabetic retinopathy
- AI endoscopy lesion detection system
- Portable 12-lead ECG/EKG analysis
- Non-invasive, AI-based thyroid neoplasm detection
- AI-powered stethoscope

- Detection software for breast ultrasound
- AI-based detection of pneumothorax and Intracerebral hemorrhage
- AI-based bone marrow smear differential counting
- AI-based diagnostics of osteoporosis
- AI-based flow cytometry analysis for leukemia
- AI-assisted EEG analysis for mental health

# Digital Health R&D

## Health Tech & Services

Company



Focus Areas

- **AIoT in the Smart Hospitals**
- **Applications of AI in Dentistry**
- **Clinical Applications in Regenerative and Anti-aging Medicine**
- **Solution for Wound Management**
- **MRI Guided High Intensity Focused Ultrasound Tumor Ablation System**
- AI platform for remote critical care

- Therapeutic neuromodulation on-chip
- AI-driven radiotherapy
- Immersive 3D software for sleep disorders / Sleep telecare
- Digital therapeutics for dementia
- AI-based hearing aids
- Mental health platform
- Decision support for hemodialysis
- Decision support for antibiotic therapy

# “One Country, One Centre” Highlights



**Healthcare**<sup>®</sup>  
EXPO · TAIWAN

Healthcare+ expo 2022 expanded and strengthened partnerships with the ASEAN hospital network

## MOU Signing with the ASEAN Hospital

**Associations** to formalise and deepen bilateral partnerships in intelligent healthcare, smart hospital, quality of healthcare, clinical trials and international medical services.

### Partnership with

- Association of Private Hospital Malaysia
- National Cardiovascular Center Harapan Kita, Indonesia
- Philippine Hospital Association
- Private Hospitals Association of the Philippines
- **Thailand Private Hospital Association**
- Vietnam Private Hospital Association





# “One Country, One Centre” Highlights



**Healthcare**<sup>®</sup>  
EXPO · TAIWAN

Healthcare+ expo 2022 attracted leading medical institutes from Southeast Asia to develop partnerships



## Thailand

1. Bumrungrad Services
2. Chiangmairam Hospital
3. Mahachai Hospital chain
4. Med Park Hospital
5. Phyathai Hospital
6. Praram 9 International Hospital
7. Ramkamhaeng Hospital
8. Vibha ram Hospital chain
9. Vibhavadi Hospital
10. Vibhavadiyaprasad Hospital



## Malaysia

1. Academy For Silent Mentor
2. Adventist Hospital Penang
3. Bagan Specialist Hospital
4. Borneo Medical Centre
5. Bukit Tinggi Medical Centre
6. Columbia Asia Hospital – Bukit Rimau
7. Gleneagles Kuala Lumpur
8. IHH Healthcare Berhad
9. Kajang Plaza Medical Centre
10. KPMC Puchong Specialist Centre
11. Kuala Terengganu Specialist Hospital
12. Landmark Medical Centre
13. Mawar Medical Centre
14. MSU Medical Centre
15. New & Special Healthcare Projects
16. Optimax Eye Specialist Centre
17. Oriental Melaka Straits Medical Centre
18. Pantai Hospital Ayer Keroh
19. Pantai Hospital Ipoh

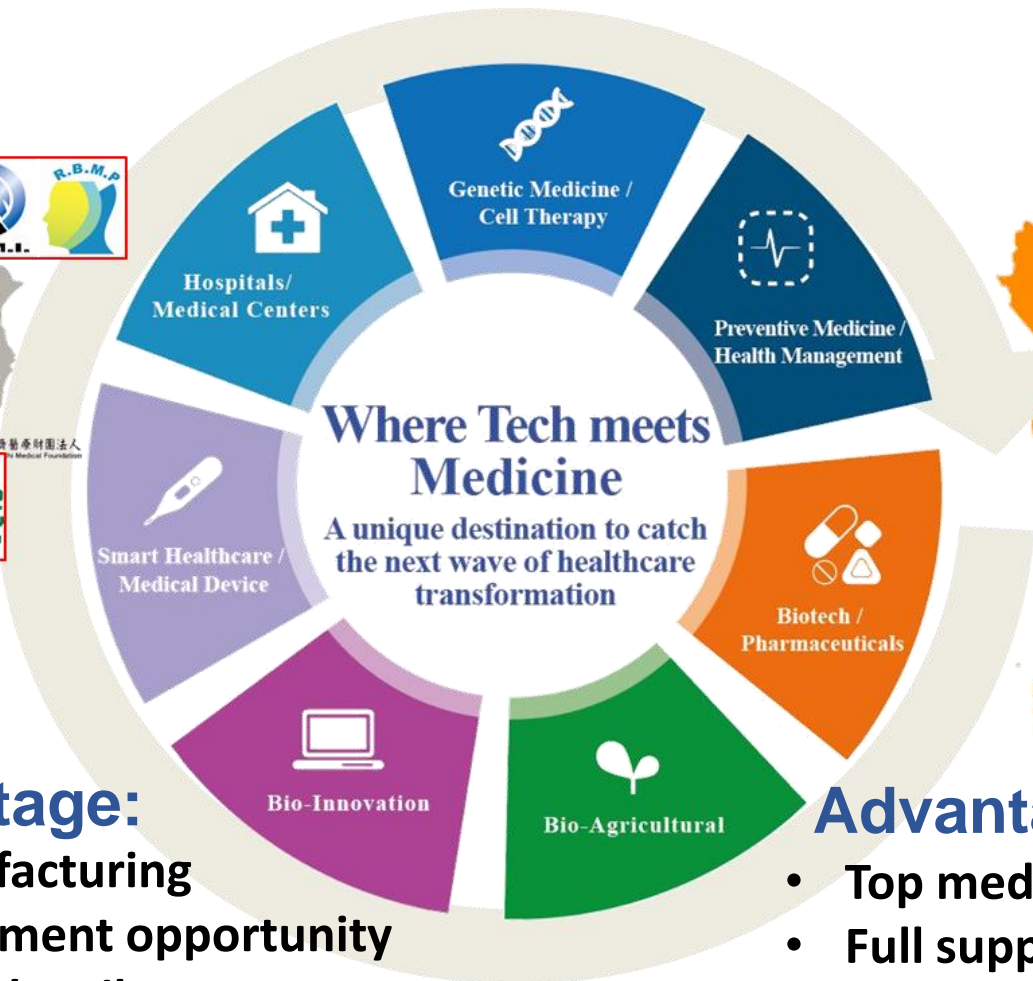
20. Pantai Hospital Laguna Merbok
21. Pantai Hospital Penang
22. Pantai Hospital Sg Petani
23. ParkCity Medical Centre
24. Penang General Hospital
25. Quality and Risk Management
26. SALAM Shah Alam Specialist Hospital
27. Sri Kota Specialist Medical Centre
28. Subang Jaya Medical Centre
29. Sunway Medical Center
30. Taman Desa Medical Centre



## Indonesia

1. Indonesian Association of Pulmonologist
2. Indonesian Vertical Hospital Association
3. Nursing and support services
4. Persahabatan National Respiratory Hospital
5. Tzu Chi Hospital Indonesia

# Thailand & Taiwan Bilateral Cooperation



## Advantage:

- Manufacturing
- Investment opportunity
- Clinical Trail

## Advantage:

- Top medicine tourism
- Full support by Thailand 4.0 initiative
- Core position in ASEAN

# 2022 Taiwan-Thailand Smart Healthcare Conference

2022-09-06

IBMI met with its acquaintances Mr. Khun Preecha Bhandtvej (THAIMED), Mr. Adisorn Apasuthirat (MeDIC) and Dr. Teeraporn Sathira-Angkura (Director of Nursing Division, Ministry of Public Health Thailand) for bilateral cooperation.



# Visiting the Thonburi Hospital 2022-09-07

Thonburi Hospital, one of the largest smart hospitals has worked with Taiwan's **Chunghwa Telecom** and **Imedtac** on a software-hardware-integrated solution. The hospital is still under renovation to be completed with functional smart hospital in one to two years. The link with Taiwan comes in perfect timing, as a good model for the demonstration of the smart hospital.



# Visiting the MedPark Hospital

2022-09-08

MedPark Hospital, one of top 10 smart hospitals led by President Pongpat Patanavaich.

The outstanding clinical service from the Radiation Oncology Center.



Going Forward..

# Digital Health is Key to Developing Precision Health in Thailand & Taiwan

- ❑ To establish a flexible, adaptive and friendly regulatory framework and business environment for novel medical devices (SaMD, SaaS, etc.).
- ❑ To accelerates digital health transformation and adoption of emerging health tech (diagnostics/monitoring) as well as RWD/RWE.
- ❑ To drive digital health infrastructure which aims to accelerate the relevant global standardization to be followed and incorporated into hospital IT systems and digital health products.

# 7<sup>th</sup> Healthcare<sup>®</sup> EXPO · TAIWAN

30 November -3 December 2023, Taipei

## Please Book your 2023 calendar



Visitor



Exhibitor



Video



Report

Organised by



Institute for Biotechnology and Medicine Industry



Research Center for Biotechnology and Medicine Policy



Ministry of Health and Welfare



Ministry of Economic Affairs, R.O.C



NSTC National Science and Technology Council



Council of Agriculture



Taipei City Government

# Branding Taiwan



***Thank you for your attention***