

AIoT驅動智慧醫療 佈局全球智慧醫療生態圈



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Advantech in Healthcare

助力醫療設備創新與升級

智慧醫院 營運效率與照護品質提升





ADVANTECH iHealthcare

Enabling Intelligent Healthcare

DeviceOn/Service

Command Center  iOutpatient  Real-time Location System  iVideOR  iTeleMed  iWard 

Medical Computing  **Medical Imaging**  **Medical Mobility** 

Medical AIO/ Box Computers	Surgical Video Management	Medical Display	Mobile Workstations & Devices	Telehealth	RFID bin for medication management
 (POC/HIT/USM)	 (AVAS)	 (PAX)	 (AMIS/AM)	 (AMIS-72)	 (AMIS-8X)

Advantech DMS in Intelligent Healthcare

32+ of Top 40 Electronic Medical Device Companies are Our Customers

22+ Years the Team has Devoted to Medical Area

\$600M+ Annual Revenue

60+ Custom Medical Projects in 2022

280+ Dedicated Medical Team Members

12y+ Avg. Working Experience in Medical Field



Labeling
Apply customized product & packaging labels and include Instructions For Use (IFU)



3rd Party/Consigned HW
Procure, install and test 3rd party or consigned HW with final product



Operating System
Install and verify revision-controlled operating system image from customer



Applications
Install, verify and test customer SW applications

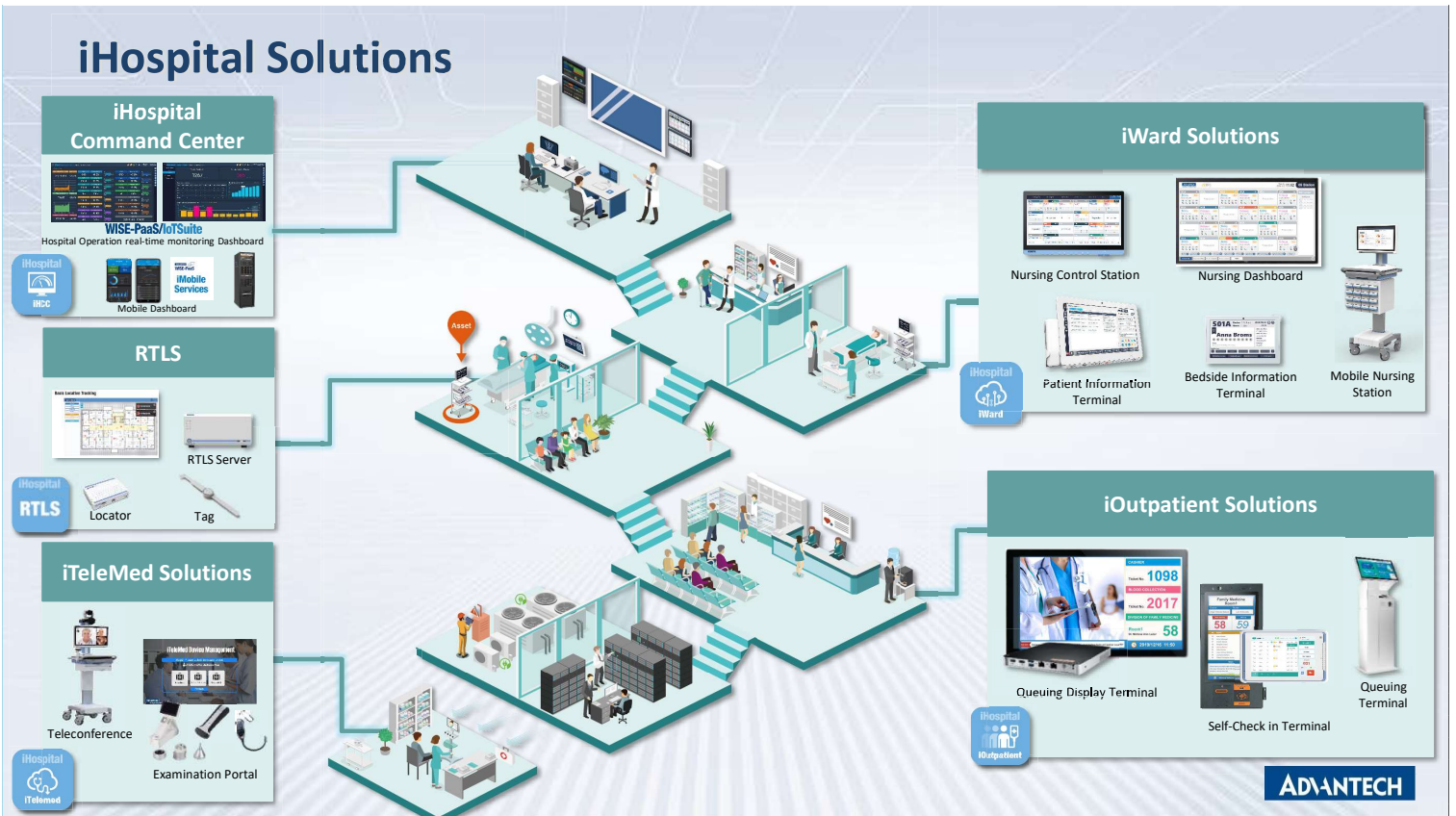
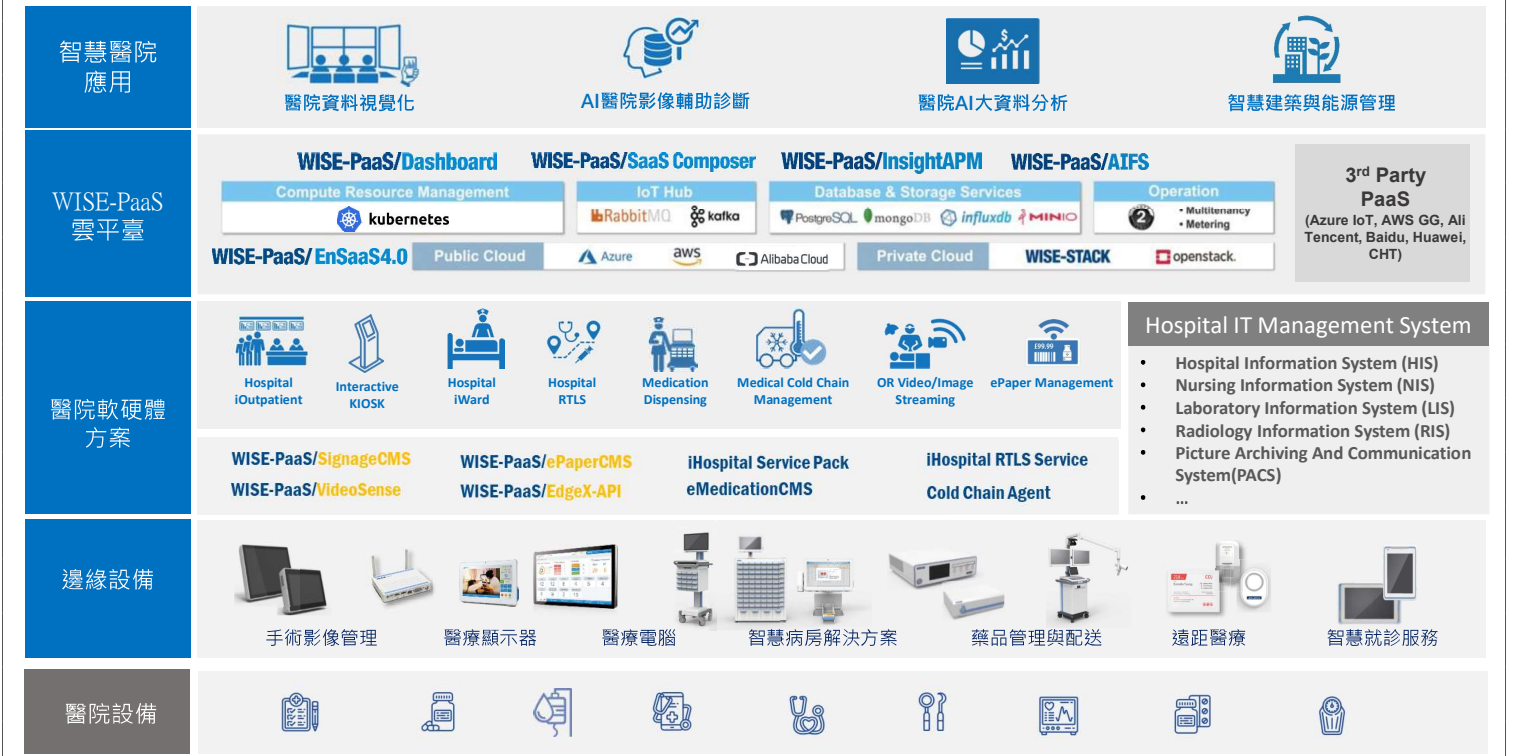


Device History Record (DHR)
Develop DHR's with all necessary information for each product manufactured



Packaging Kitting
Create custom/over-packed packaging and kit with accessories as needed

基於WISE-PaaS智慧醫院雲平臺架構



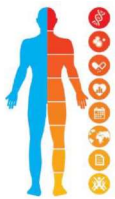
Worldwide Applications

Digital Operating Room · Intensive Care Unit · Nursing Care · Medication Management · Intelligent Ward · Medical Equipment · Lab Equipment



打造智慧醫療Eco System

海量資料協助提供
個人化醫療



遠距
與移動化裝置



病例與健康資料
雲端化



網路與社群化改
變醫療照護模式



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Healthcare IT Product Certification in EU market



Medical Certificate
(Must Have)



Medical EMC	IEC 60801-1-2: 2014 EN 60601-1-2: 2015
Medical MDR	Medical Device Regulation 2017/745 EN 60601-1:2006 + A11:2011 + A1:2013 + A12:2014 IEC 60601-1: 2005 + CORR. 1: 2006 + CORR. 2: 2007 + AAMI 2012
Risk Management	ISO14971:2007
Usability	IEC 60601-1-6, IEC62366



Green
(Future Trend)

RoHS (Must Have)	2011/65/EU and (EU) 2015/863
RoHS/Halogen Free (Self-DoC)	Reference to IEC 61249-2-21
WEEE (Must Have)	
ErP :Energy-related Products (Self-DoC)	Directive (ErP) 2009/125/EC
PVC Free Cables (Self-DoC)	No Specific Directive

RF
(Must Have)

RED: Radio Equipment Directive	2014/53/EU
RED EMC Directive	2014/30/EU

Battery
(Must Have)

UN38.3
IEC 62133



System with RF Modules

Battery Pack

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智慧醫療全球布局

醫療品牌與通路商之擴張

醫療專科客戶之經營



軟體商共創、整合商與品牌客戶雙向出擊

透過Homeland 品牌知名度，建立B2H的服務與價值傳遞

區域通路商與代理的建立

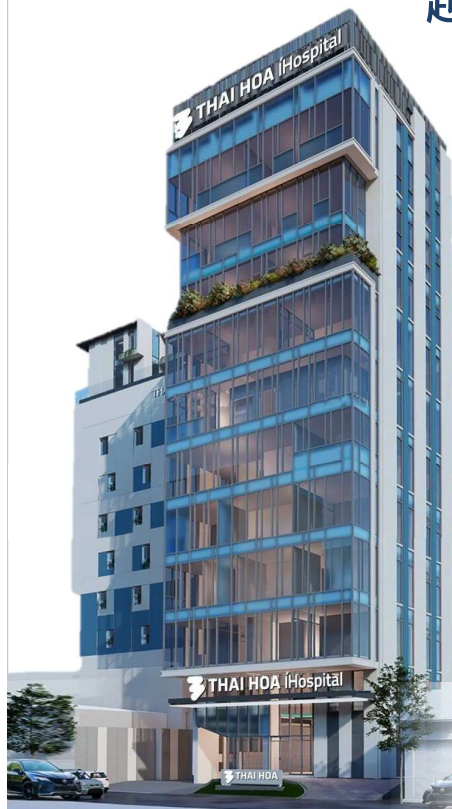
智慧醫療生態鏈



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越南泰和綜合醫院 (Thai Hoa General Hospital)

整院輸出方案

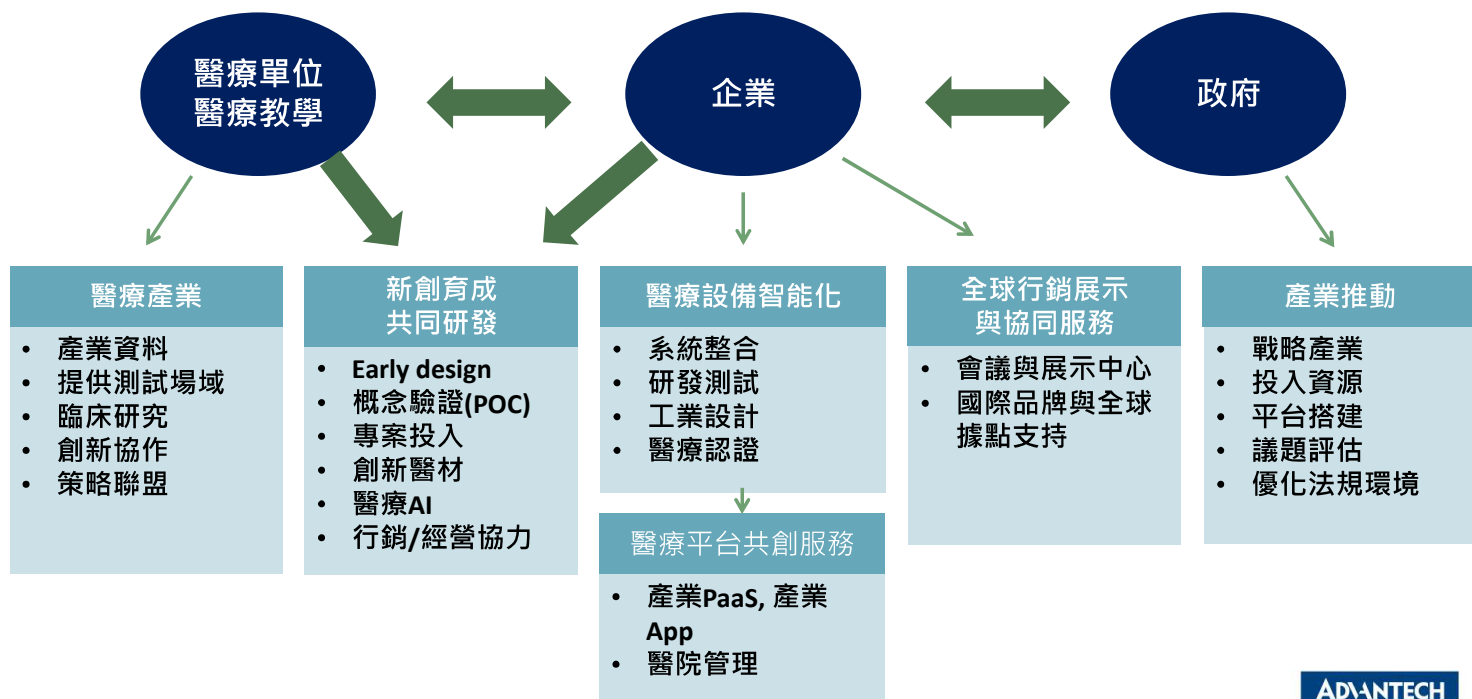


- 電梯遠端監控系統
- 雲端智慧聯網停車場解決方案
- 醫院即時監控
- 醫院資訊系統、電子病歷



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醫療產業共創架構



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建議政府推動「先進智慧醫療特區」

建議推動「先進智慧醫療特區」，以提供國內醫界、醫學界及科技界有力的共同實驗場域。這對促成台灣發展國際化醫療科技產業生態系十分關鍵。

醫療機構與科技產業可能合作項目：

- a. 醫療 AI
- b. 遠距醫療 (Telemedicine)
- c. 全服務健檢
- d. 醫療MBA
- f. 醫療新創事業育成

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以色列數位醫療創新

The Peres Center for Peace & Innovation



佩雷斯和平中心

由以色列前總統Shimon Peres創建，目標是通過社會-經濟合作與發展，以及人民與人民之間的互動，以促成中東地區人民一起努力，建設和平的遠景。建設活動分為八個領域：農業與水利、商業及經濟、公民社會對話與合作、資訊技術和平項目、醫療保健、地中海2020、和平教育



- 以色列具有強大的高科技產業，高度資本市場連結，僅次於美國矽谷的**科技新創重鎮**
- 近年來以色列的數位健康新創生態系統迅速擴大，近年有537家公司在數位健康領域營運，**募資金額高，創業成功率達4%**
- 以色列政府批准了總預算約3億美元的5年期**國家數位健康計畫** (包括技術開發、國際合作、學術和產業界共同努力以及法規變革)，鼓勵數位健康領域相關研究。
- 在以色列數位健康創新中，**人工智慧**佔了主導地位。近年人工智慧領域募資總額的85%即用於仰賴某種形式機器學習的醫療科技公司

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Co-Creating the Future of the IoT World

