

科技與醫療同步領航 —智慧醫院全面啟動



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Game Changer Technologies 翻轉醫療的科技

AI in Healthcare



A.I.

人工智慧



Big Data Analytics

大數據分析



mHealth

行動醫療



Wearable

穿戴式裝置

2019年底，**醫療IT應用市場的人工智能**將超過17億美金，預計2018 - 2022年的CAGR將達到68.5%

Healthcare Data Analytics

2019年，更多的特定專業/專科分析解決方案將在提供商中佔據突出地位。2020年，**醫療數據分析市場**將超過680億美金

Healthcare for Out-of-Hospital Setting

在2019年期間，**院外的數字醫療技術**將增長30%，可達全球250億美元的市場。關鍵部分包括**遠端生理監測設備、遠距醫療平台、個人緊急呼叫、移動醫療**。

The Healthcare IoT Ecosystem Extends 從醫院到個人

A connected ecosystem of sensors and devices on and around the individual serve the function of:
Capture and Measure, Identify, Stratify Risks, Inform, Make Decision, and Take Action proactively.


On Body


At-Home


Community


In-Clinic


In-Hospital

 Wearables

 Home Medical Devices

 Mobility

 Lab-on-a Chip

 OR Imaging

 Smart Devices

 Coaching

 Supply Chain Logistics

 Ambulatory Therapies

 Tele-ICU

 Peripherals

 Activity Monitoring

 Emergency Response Intelligence

 Handheld Medical Technologies

 Real-time Location System

 Next Generation Implants

 Digital Assistants

 Automated Kiosks

 Care Coordination

 Patient Surveillance

 Analytics/ Informatics

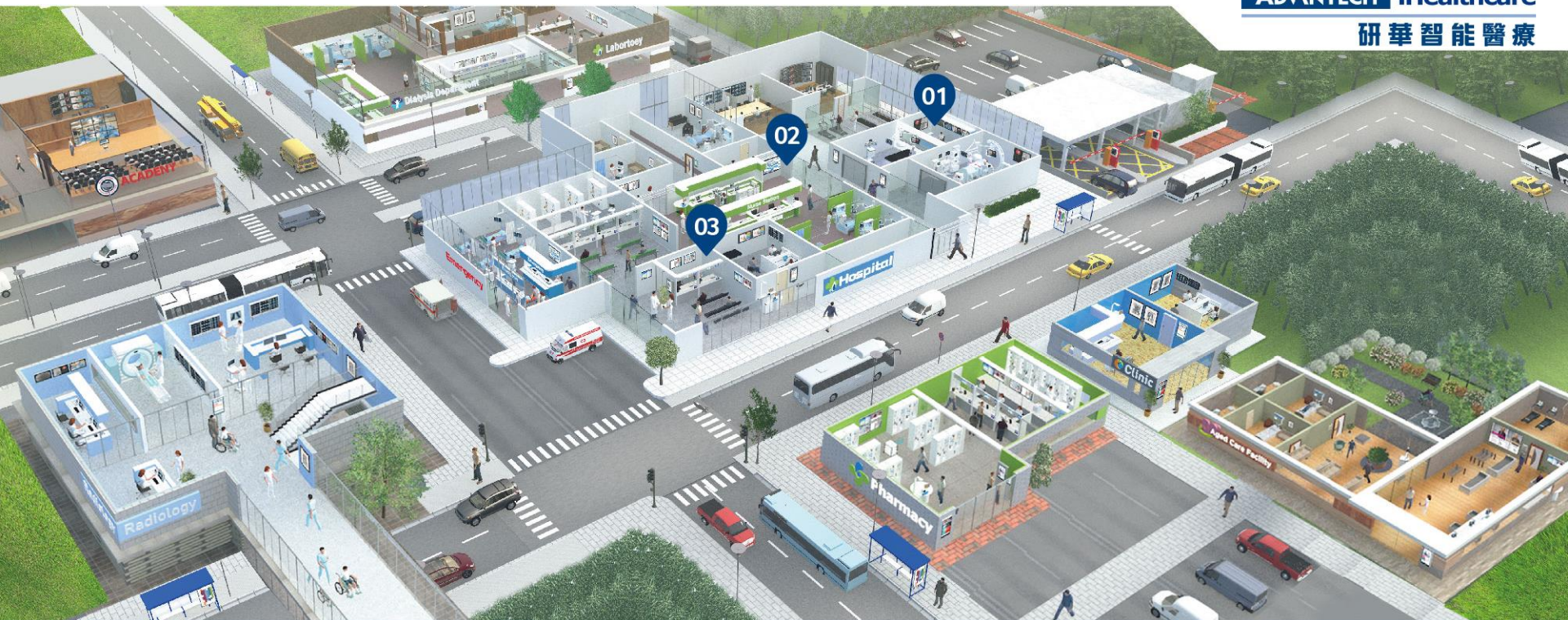
 Storage/ Database Management

 Cyber-Security

 Machine Learning

 Inter-operability

 Decision Support



01 智慧影像與手術室 02 優質護理與智慧病房 03 智慧醫院管理

Medical AIO Computers (POC)



Surgical Video (AVAS & PAX)



Healthcare Info. Terminals (HIT)



Mobile & iMedication (AMIS)



Medical Computers (USM)



Tablet & Handheld (AIM)



RTLS SRP



Command Center SRP

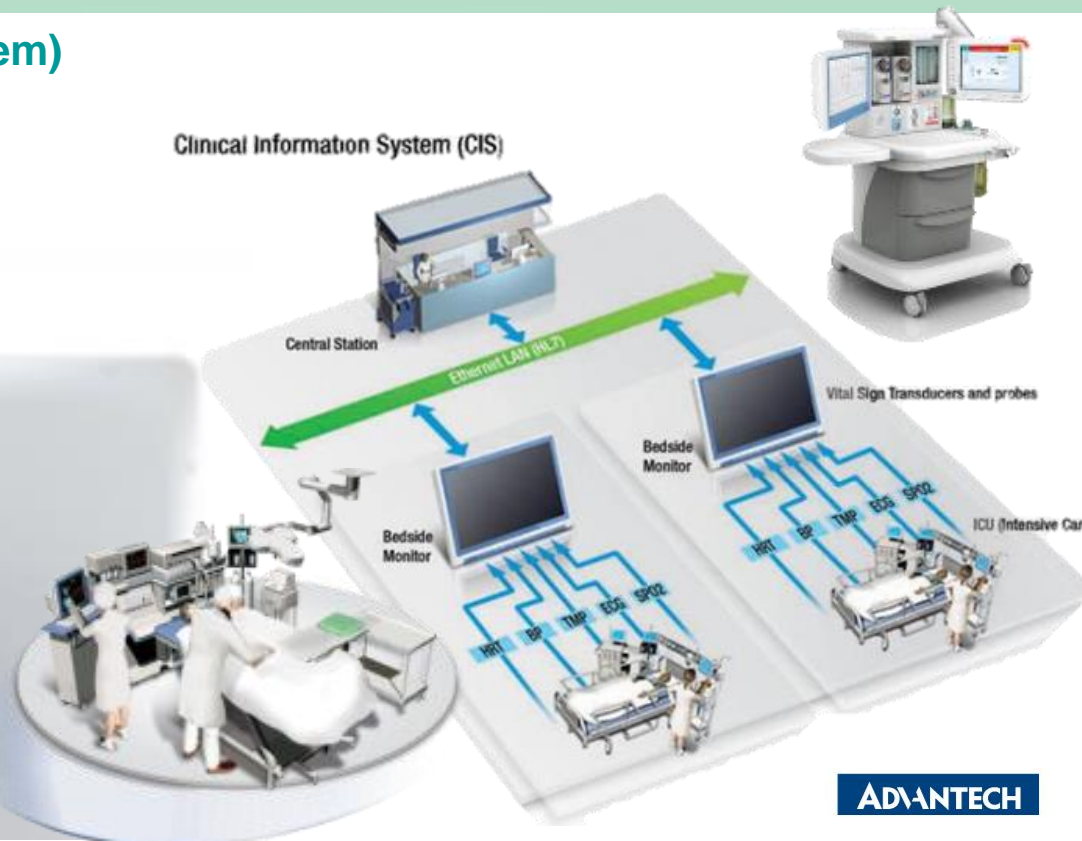


急重症監護 醫用電腦 Point of Care

- PDMS (Patient Data Management System)
- Equipment Gateway
- System Controller
- Patient Monitor HMI

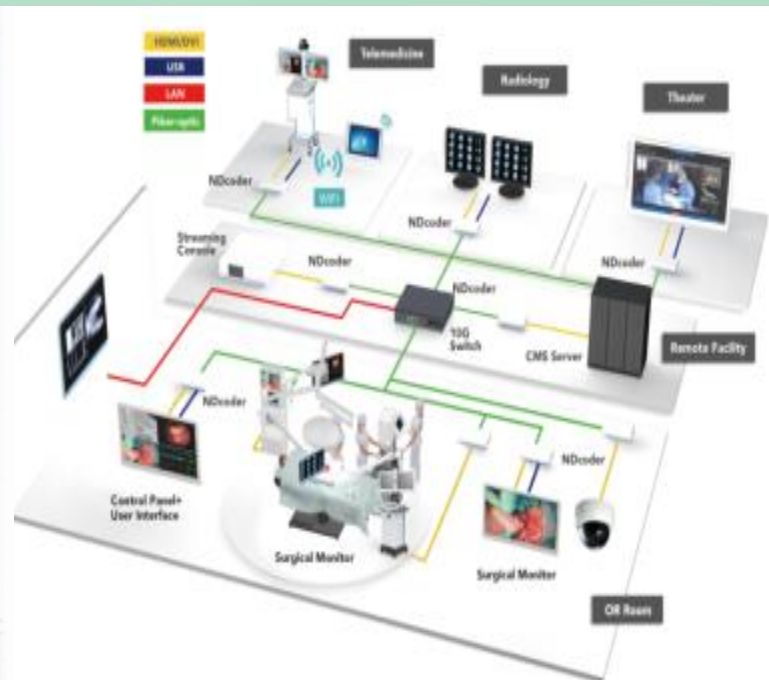


Clinical Information System (CIS)



智慧手術室

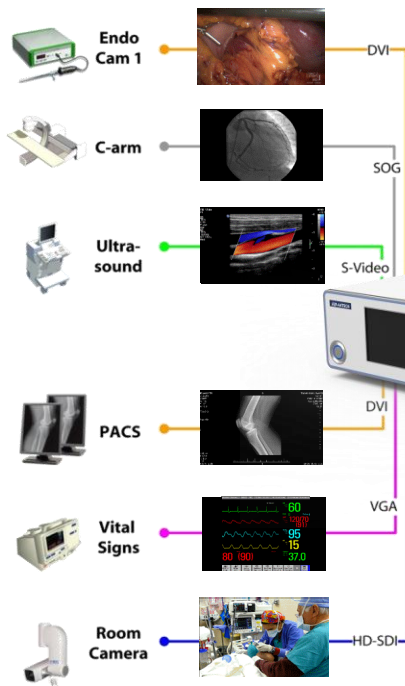
AVAS-OR & PAX 的影像整合



AVAS-OR 影像集成與管理

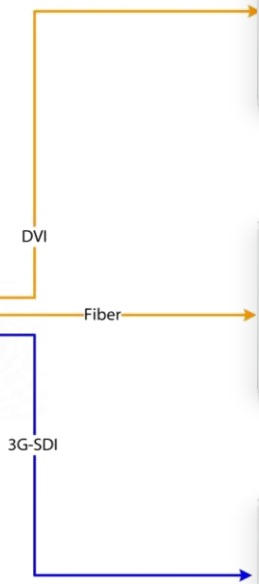
AVAS-200

NDCoder
Streaming over IP



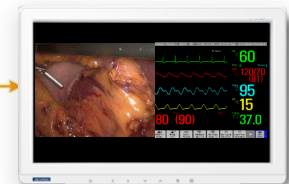
AVAS-400

Streaming Console &
VMS Server



PAX-324

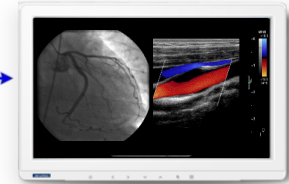
Surgical Display



ADVANTECH KOLSTEC



ADVANTECH KOLSTEC



ADVANTECH KOLSTEC

Display Layout



OR video interoperability

SUCCESSFUL

— Region —

The Netherlands, Europe

— Application / Solution —

Operating Theatre

— Product(s) —

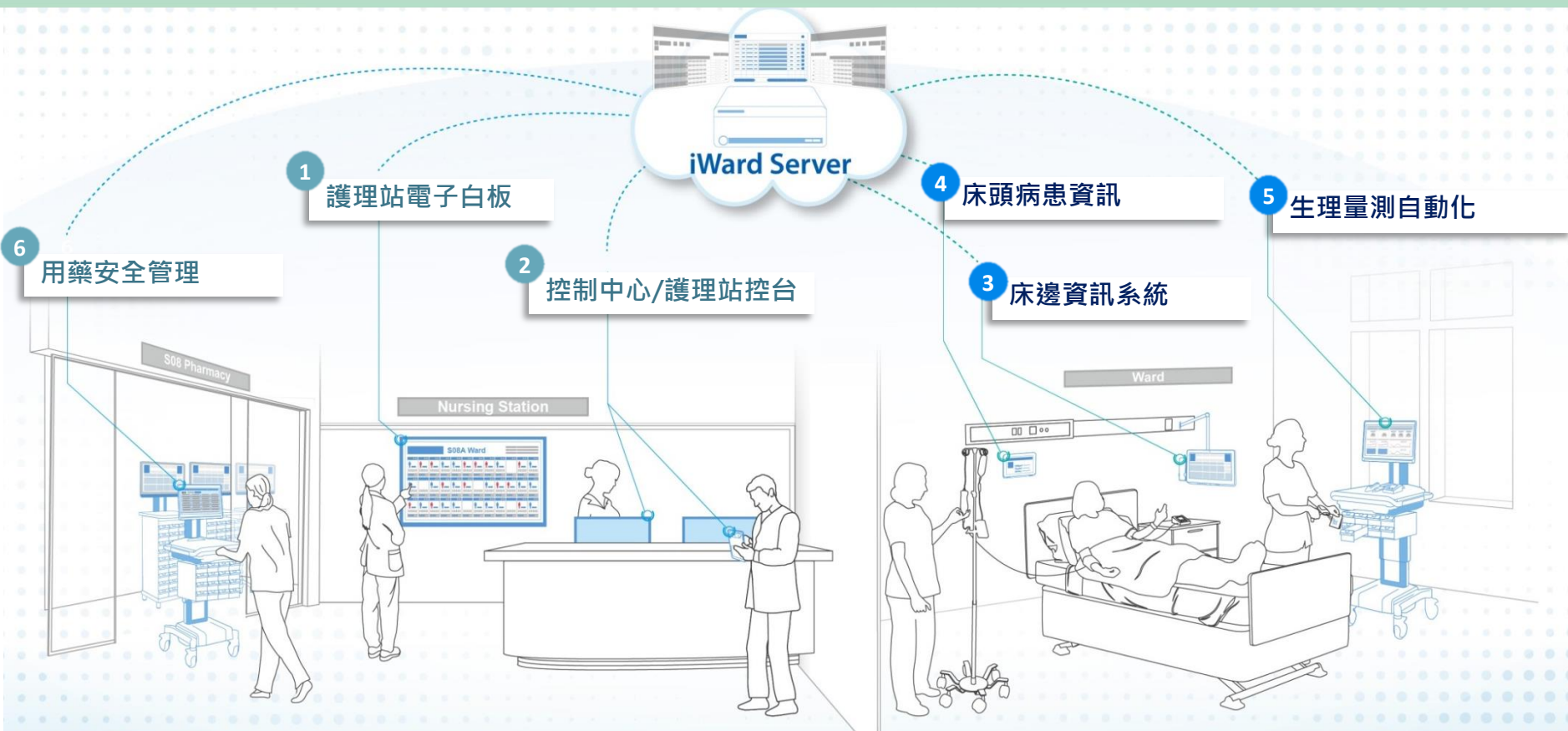
AKostec IP-based Monitor
PAX-324



Winning Factors & Customer Feedback:

- Erasmus MC would like to **share live video streams** within their facility among 22 operating theaters and 4 intervention rooms.
- The hospital has chosen to go for an **all-in-one solution** for all its ORs.
- Advantech has developed a whole new 24" surgical monitor which **built in AVAS NDcoder** that made it possible to send a video from a connected device to a connected display with **a delay of less than 4ms**.
- The IP-based monitor provides **better manageability, reduces risk of infections** and **provides better hygienic conditions**.
- Since there is no compression involved, the image is at its **maximum quality**.

全方位的智慧病房 iWard



多功能模組搭配

床邊(頭)資訊系統: 移動醫療mHealth:

HIT series



移動醫療mHealth:

AIM series



RFID技術賦能

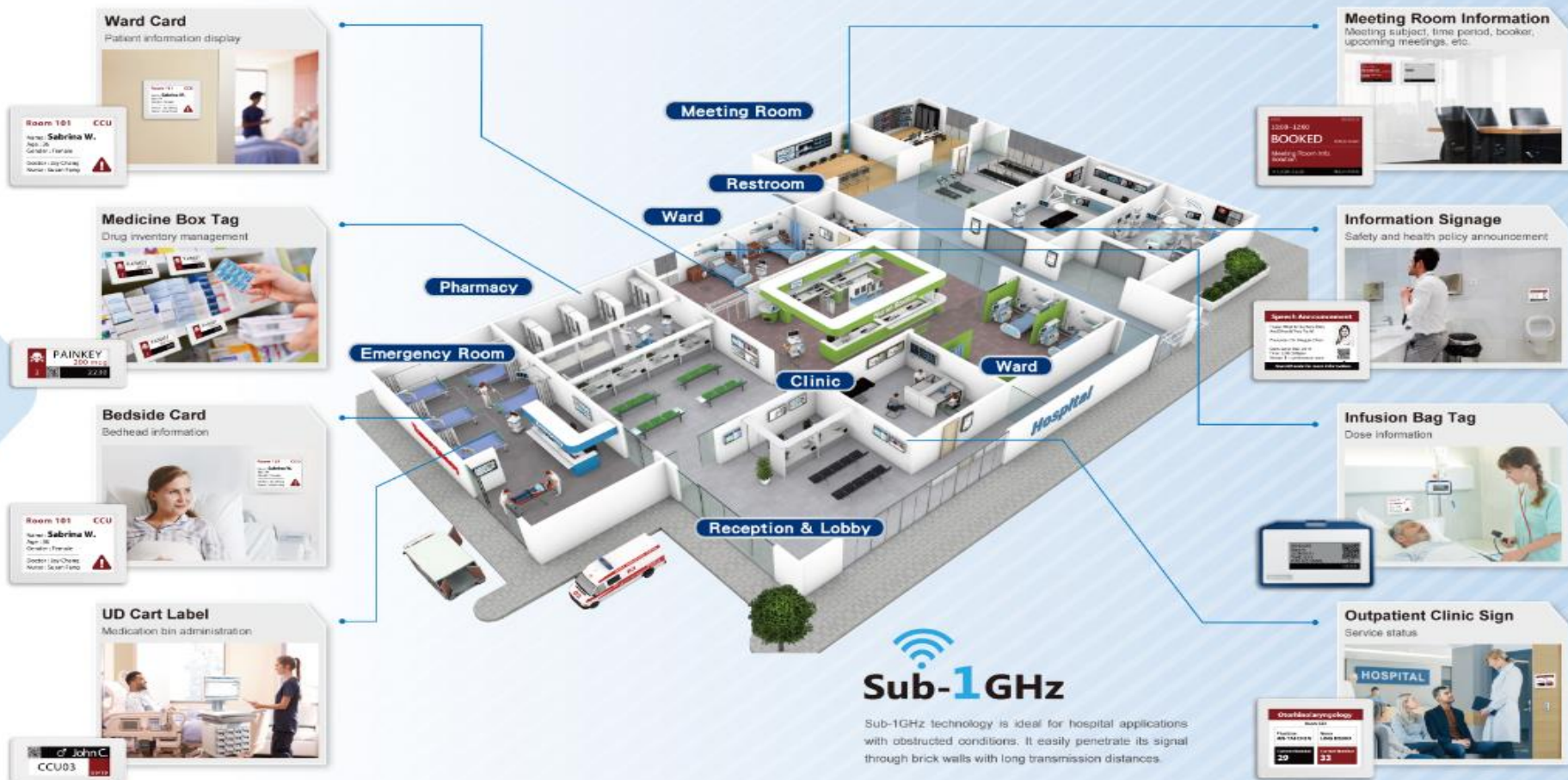
用藥安全:

AMiS-800 series

STAGE	HIMSS Analytics EMRAM EMR Adoption Model Cumulative Capabilities
7	Complete EMR; External HIE; Data Analytics, Governance, Disaster Recovery, Privacy and Security
6	Technology Enabled Medication, Blood Products, and Human Milk Administration; Risk Reporting; Full CDS
5	Physician documentation using structured templates; Intrusion/Device Protection
4	Business and Allied Health Documentation; Basic HIS
3	Business and Allied Health Documentations

RFID Bin

智慧、節能、感知的顯示方案—LEO系列



—Real-Time Locating System



- 📍 Asset Management 資產管理
- 📍 Environmental Monitoring 環境監控
- 📍 Staff Locating 人員定位
- 📍 Patient Tracking 病患追蹤
- 📍 Infant Protection 嬰兒安全防盜
- 📍 OR Workflow 手術流程效率
- 📍 Infection Control 感染控制
- 📍 Wayfinding 導航指引

掌握全時狀態的醫院戰情中心 — Hospital Command Center



- Real-Time BI Analytics
- Remote Monitoring
- Alarm and Events Visibility
- Flexibility and Scalability

實時BI數據分析
遠端監控管理
緊急狀況與事件透明掌握
靈活與擴展性

Efficient Management on Mobile APP



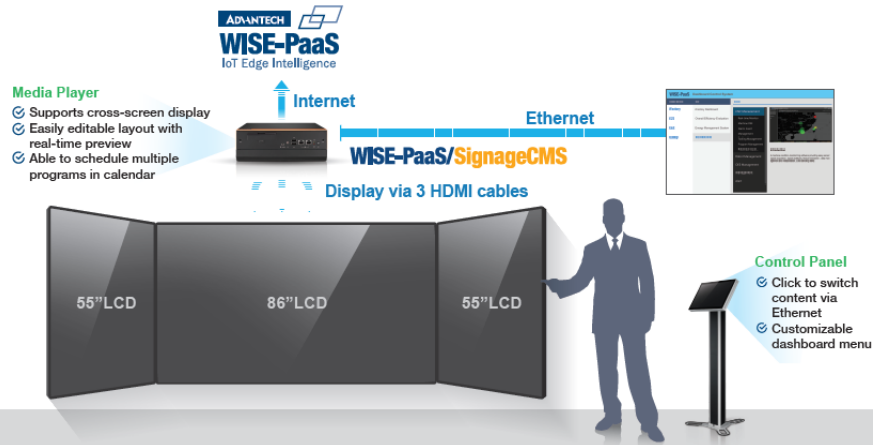
KPI overview

Traffic counting in chart View

Multi point chart view

Event report

Connection of Command Center and WISE-PaaS



共創 Co-Creation: 與研華共同創造數位轉型之商業價值

- ◆ 優先業務轉介機會
- ◆ 共創網站之商機媒合與曝光

商業機會

- ◆ 共創夥伴認證標章
- ◆ 共同行銷資源
- ◆ 受邀參與研華各區域夥伴會議



- ◆ 獲得總部直接技術資源支持
- ◆ 共同開發與推廣新SRPs
- ◆ 完整軟硬體平台支援

解決方案
開發



行銷資源

加入WISE-PaaS VIP，共創共榮智慧城市物聯網

WISE-PaaS/EnSaaS 大數據雲端平台

專家顧問協助您快速使用雲服務、多租戶管理、數據可視化

WISE-PaaS 軟體市集，超過30種軟體與解決方案

最優惠的軟體價格

生態系商機共享

免費參加研華夥伴會議，擴大垂直產業人脈圈

國際行銷網絡共享

研華線上與線下媒體資源，助力VIP夥伴全球推廣

*Go Together,
We Go Far and Grow Big*

