

CHT

Smart Healthcare Solutions



01

Improve patient satisfaction

Patients do not need to undergo unknown and stressful wait times

02

Enhance efficiency and accuracy

Use smart solutions to replace the human work, no human error and enhance efficiency

Benefits of Smart Healthcare

03

Enhance productivity

The digital infrastructure enhance wireless communication and transfer of digital data such as electronic medical records

04

Stay current

Modular design, a digital infrastructure is built to be open, flexible, and scalable so that it can accommodate future upgrades and expansions





Smart Healthcare Solutions

Modularize design for hospital and healthcare application

Over 18 solutions in 8 different scenarios



Smart Ward



Smart Clinic



Smart Nursing Station



Smart Counter



Vital Sign Station



Robot Application



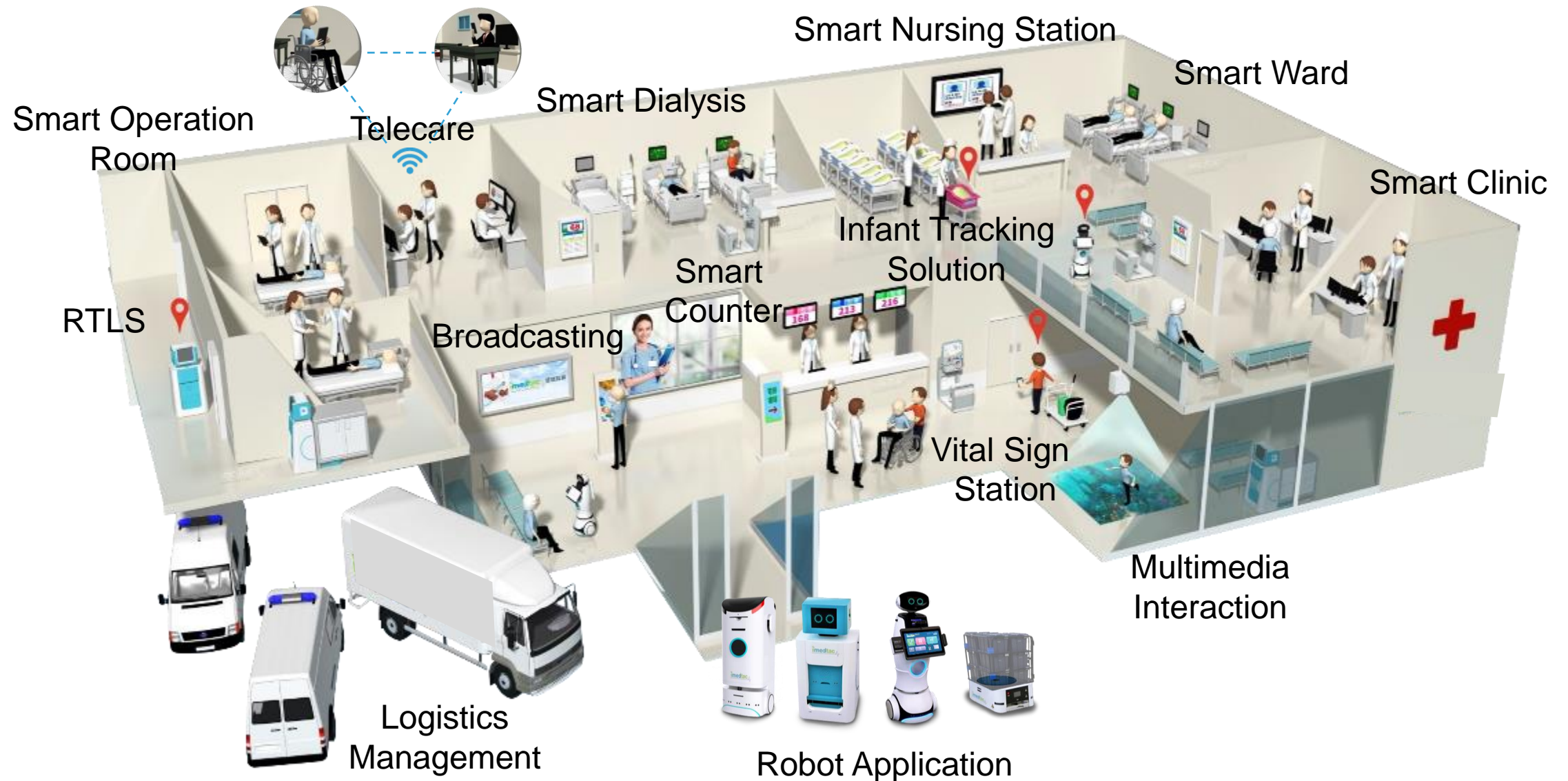
Smart Building



ePaper Display



Smart Healthcare Solutions in Hospital



Smart Ward Solution

Nursing station

1. Patient information from HIS integrate with Smart Nurse Station Dashboard
2. Show patient request on the Dashboard
3. Self-measure vital sign with vital sign kiosk
4. Manage restriction and high-value medicine and supplies with ADC



Ward

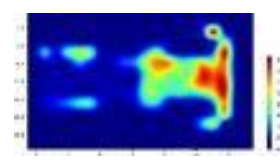
1. Show up-to-date patient information on the bedhead epaper display
2. Show patient request on the Dashboard
3. Detect patient status with ToF and Smart Bed Sheet



EPD



ToF



Smart Bed sheet



ADC



Vital sign station



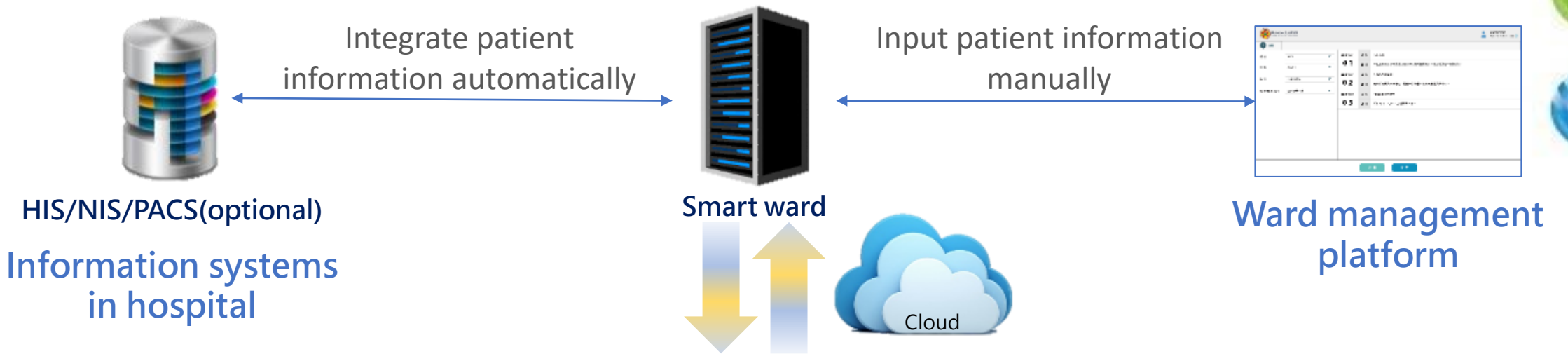
Smart nursing station

Smart Nursing Station

- Information center in nursing station
- Display the information of nurse shift schedule and contactor
- Realtime ward task notification
- Remind of examination and surgery
- Notice the nursing call
- Able to integrate with Nursing APP



ePaper Display - Structure of Solutions



RIT
(Room Information Terminal)



Intelligent Dashboard
in nurse station



BIT
(Bed side Information Terminal)

Automated Dispensing Cabinet(ADC)

Reduce the burden on the pharmacist

Reduce the burden on the nurse

Optimize the procedure of medicine dispensing

Decrease the preparation time of medicine dispensing

Improve the quality of patient care

Medicine inventory management



RFID Recognition



Face ID Recognition



Prescription scan



Medicine list



Drawer guiding

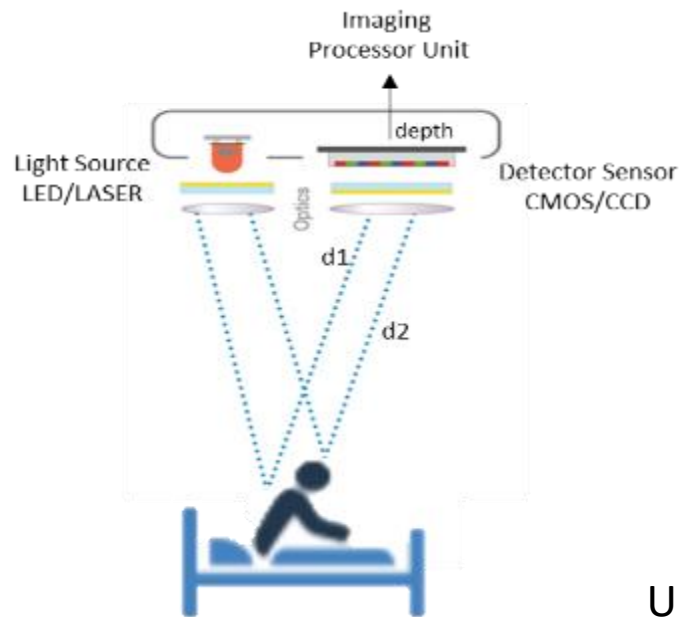


Dispensing record

ToF Patient Status Monitoring Solution

- ✓ Use IR module, **NOT camera**, **No** RGB image file, **Protect** patient **Privacy**
- ✓ Use **AI analysis engine**, with Big data accumulation to increase analysis accuracy.
- ✓ **NOT wearable device**. No cross-infection, disinfection, maintenance issue.

TOF Method



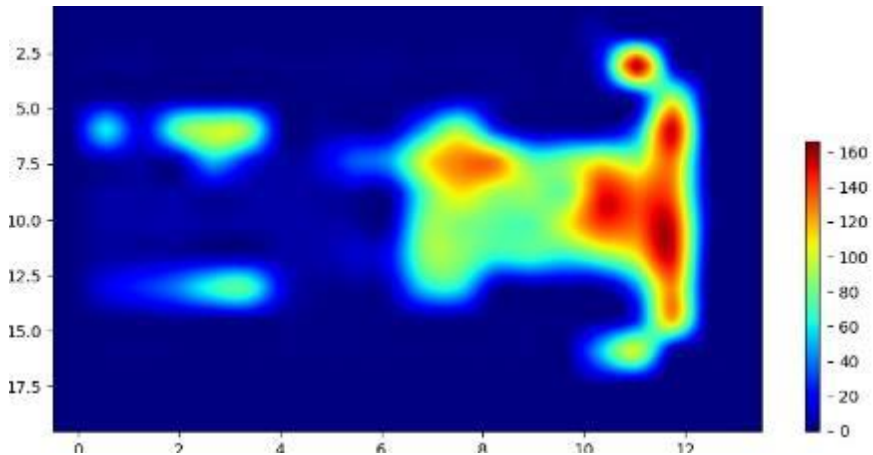
Unidentified, Protect Patient Privacy.

TOF Key Feature



Smart Bed Sheet Solution

Smart bed sheet solution (pressure detect)
Able to fit existing hospital bed



Integrate with Smart Nurse Station solution



Detect : people turn over/ people away from bed / caregiver help to change patient position or not



All-in-one Vital Sign Station

Multi-function Smart Vital Signs Station



Measurement report	
Height	173.0 cm
Weight	75.4 kg
BMI	25.2
Blood pressure	124/71 mmHg SBP/DBP
Heart Beat	72 bpm
Body Temperature	36.6 °C

- Visual user interface
- Audio & Video instruction
- Integrated with HIS automatically

Robot Application



Smart Building ICT Infrastructure

Outdoor

- Micro weather (station temperature humidity air quality...)
- Smart Pole (light, digital signage, emergency call, surveillance)

IT service Room

- IDC design & construction
- Fiber network, mesh Wi-Fi
- Information security
- Hybrid cloud planning

Lobby

- Visitor control system
- Multimedia navigation system
- Access control system
- Reception robot

Operation Control Center

- Exception notification
- Equipment layout & management
- Energy Information Dashboard
- AI trend forecasting

Interior Space

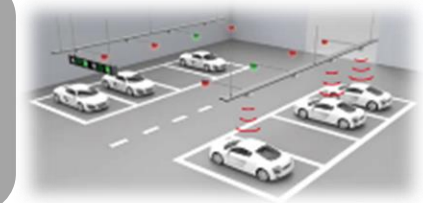
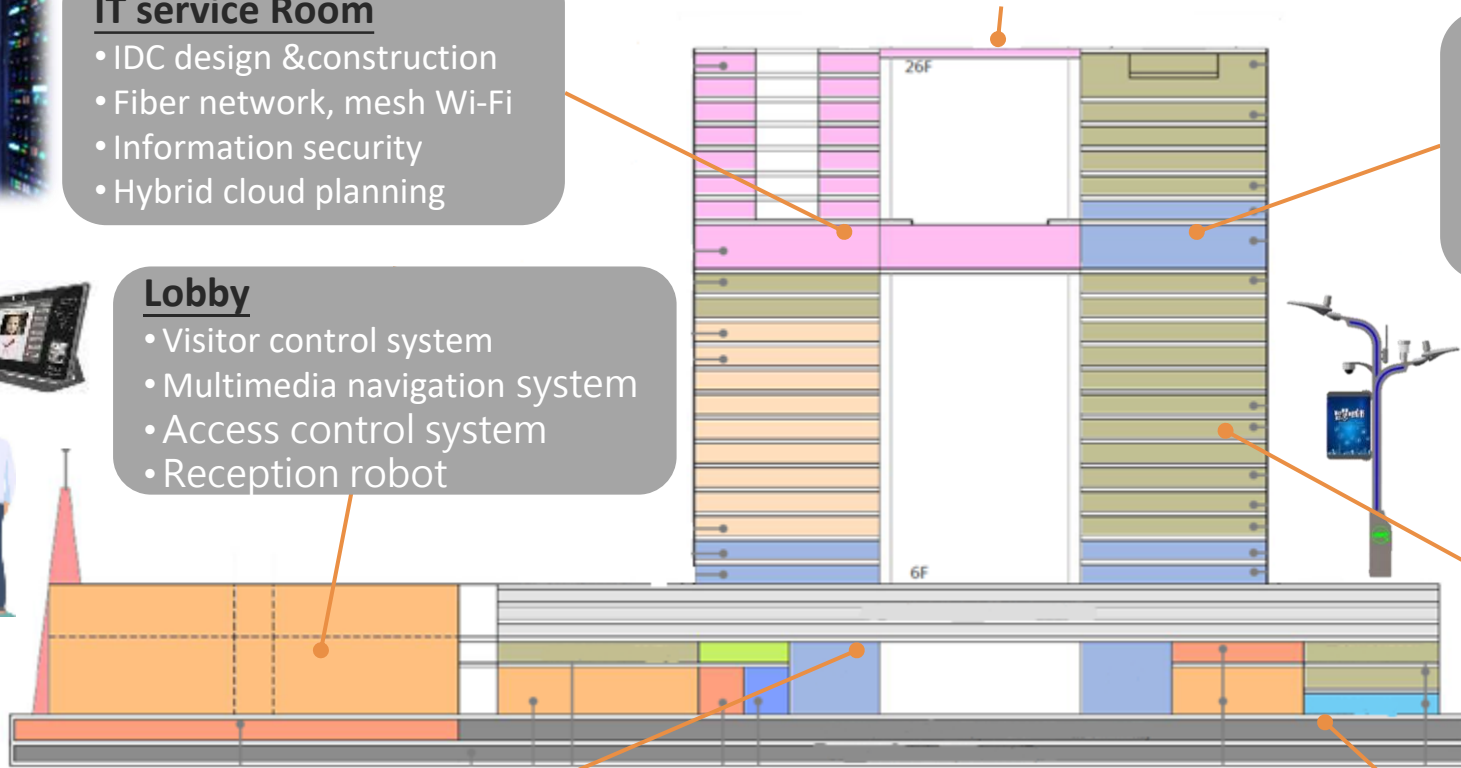
- intelligent video surveillance
- Energy saving management system
- Indoor air quality monitoring
- Floor Management System

Conference Room

- Meeting room reservation
- Access control
- Lighting control

Parking lot

- Smart parking system
- Electric vehicle charging system



Our Successful Cases

• Taiwan

- National Taiwan University Hospital
- Taipei Veterans General Hospital
- Taichung Veterans General Hospital
- National Cheng Kung University Hospital
- Taipei Medical University Hospital
- Changhua Christian Hospital
- National Health Research Institutes
- China Medical University Hospital
- Yuanlin Christian Hospital
- Cheng Hsin General Hospital
- Kaohsiung Municipal Siaogang Hospital
- Yuanpei University of Medical Technology
- Lukang Christian Hospital
- Park One International Hospital
- Calo Psychiatric Hospital
- Hansheng Obs-Gynb Clinic
- Shui-Mu International Co., Ltd. (A.S.O)

■ China

- The Second Affiliated Hospital Zhejiang University School of Medicine
- Suzhou BenQ Hospital
- Nanjing BenQ Hospital
- Zhebei Mingzhou Hospital
- Shanghai Jing'an District Central Hospital

■ Worldwide

- MD Healthcare Co., Ltd. Thailand
- Bangkok Christian Hospital Thailand
- Overbrook Hospital Thailand
- Samutprakan Hospital Thailand
- eDoctor Vietnam
- Hoa Hao Hospital Vietnam