

INNOVATIONS IN HOME DESIGN FOR SENIOR CITIZENS

Dr. Cheung Moon Wah

General Manager, Elderly Services Section

Hong Kong Housing Society

11 October 2013

Home Innovation for Elderly

New services, technology, models that bring convenience and benefit to daily life and enable the elderly live independently at home.



Technologies Available in Market

Safety Products



Lifemax

Wireless Nurse Call System



Home Safety Alert



SCHSA :長者安居協會 -平安鐘®



Chubb: Easilink
事事寧平安鐘

Press button on device, can contact call centre




Call Alert System (Via Phone)



HKSSA 長者安心通協會
平安鐘便民服務

Safety Mobile Phone Service, can use own mobile phone



Technologies Available in Market

Health Care Products



Health Smart Card:
- Data storage
contains personal and medical information

Front Back

Vehicle Windshield Sticker


Light Switch Sticker



PCCW – Data storage
eSmartHealth :
Upload health data data storage, Health alert, share data

- 無線上傳健康數據
- 個人化健康提示
- 數據儲存
- 圖表及數據分析
- 與經許可的家人或醫護人員分享數據
- 只屬網上傳戶口，費用全免



Home About Us Live Smarter My Health Health Buddies Message Center

NORDIC SEMICONDUCTOR


Bluetooth Blood Pressure Monitor

For data sharing

Nike: track heart rate, distance, time, calories burnt

Pedometer Pace Tracker Timer Calorie Counter * Heart Rate Monitor Water Resistant



HealthData Management

Mobile phone Apps :
Resource for Integrated delivery system

View in iTunes

This app is designed for both iPhone and iPad

Technologies Available in Market

Security and Access Control



Motion Sensors for Escalators



Octopus Card



Samsung Security System



Motion and Light Sensor



Temperature Sensor



Motion Sensor in Lift landing area, Main Entrances, High Indoor Spaces, Lobby



CCTV System

Face Detection Security System



HONG KONG HOUSING SOCIETY
香港房屋協會

i-Home in Elderly Resources Centre





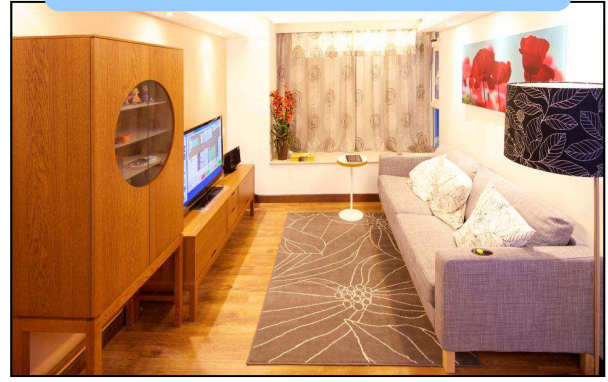
i-Home in Elderly Resources Centre



Environment Control System



Telecare System

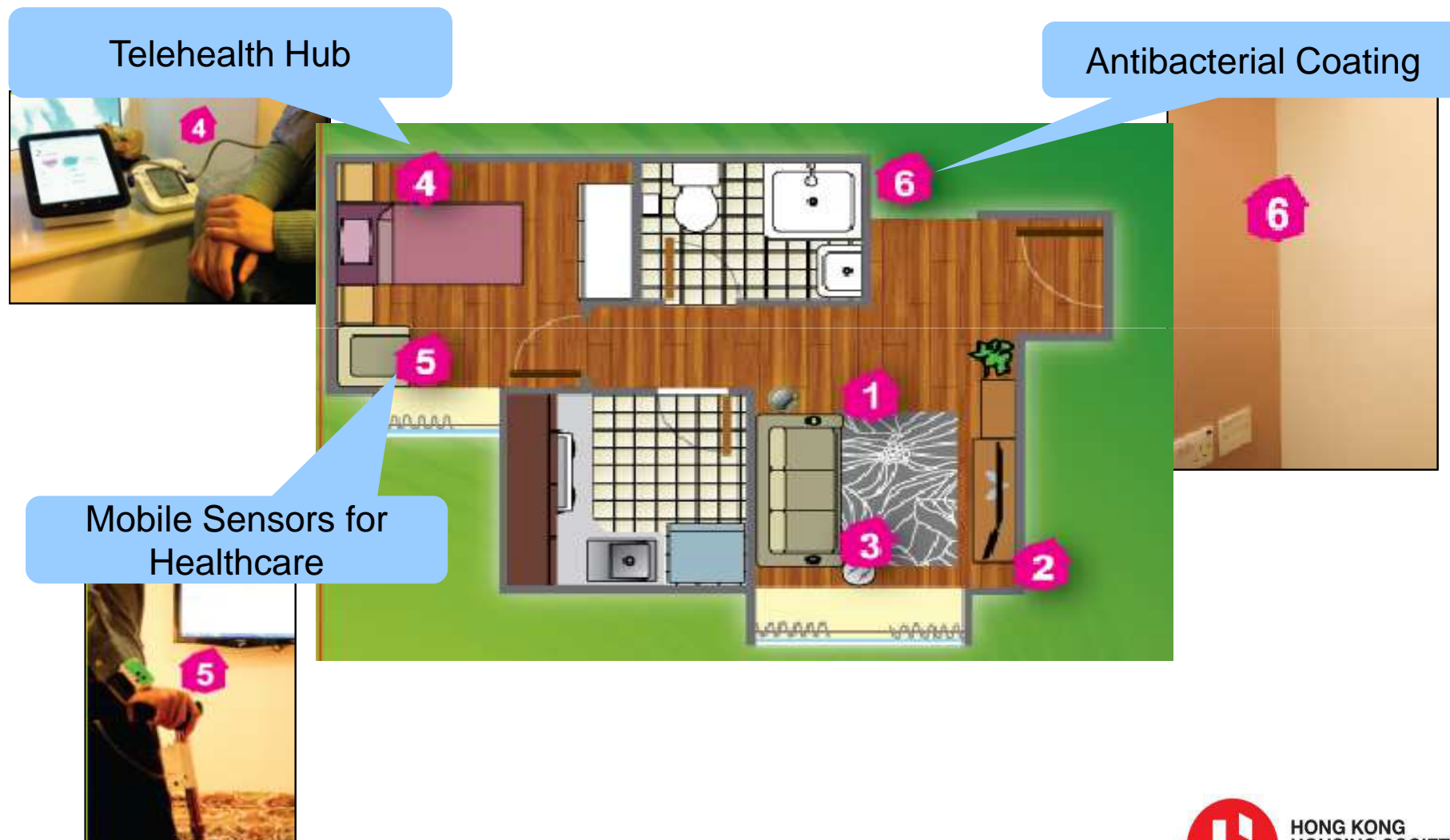


Wireless Reflective Pulse Oximeter

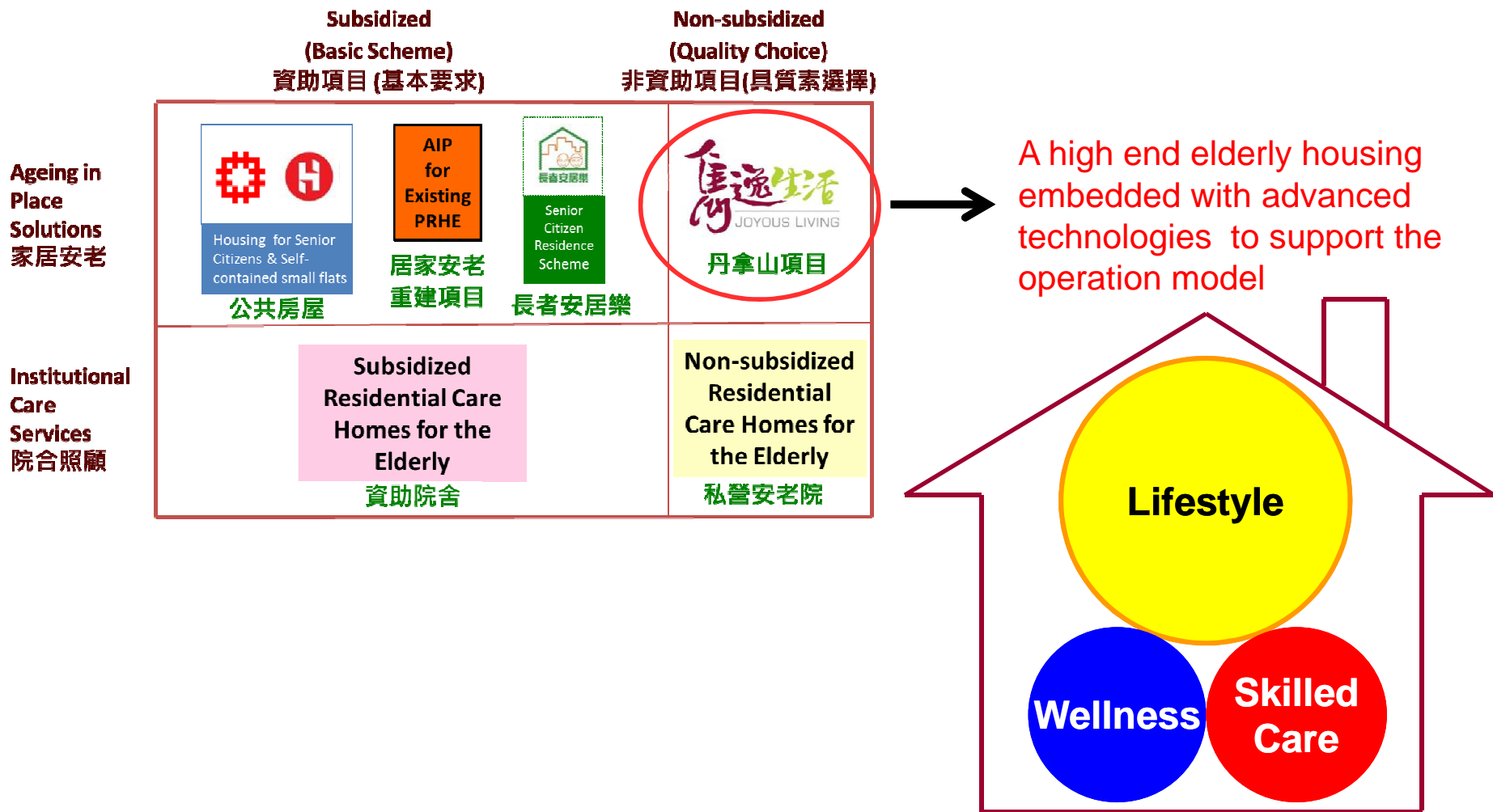




i-Home in Elderly Resources Centre



HS Retirement Housing Model



Tanner Hill Project

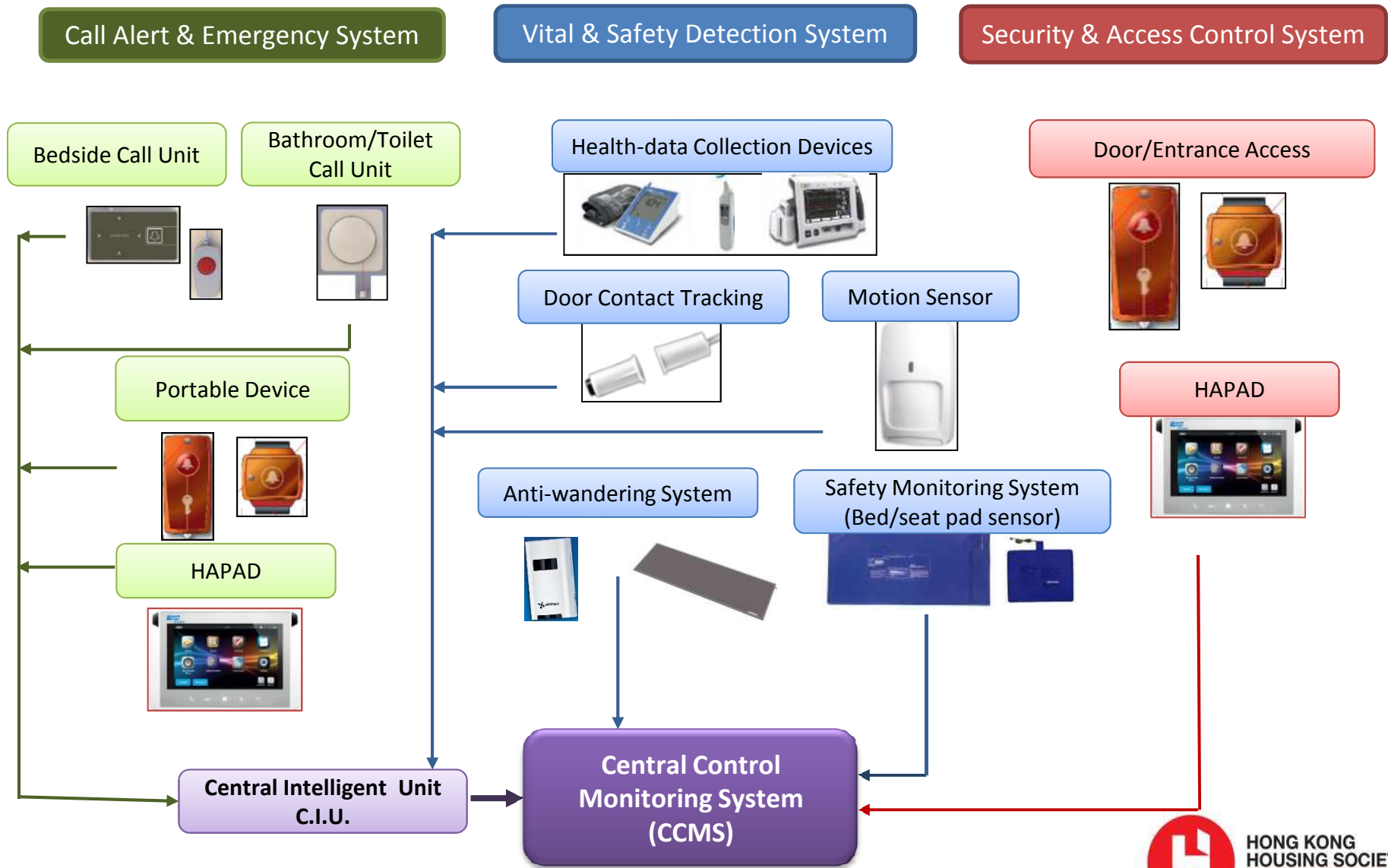


Residential Units
(588 units)

RCHE (101 beds),
Day Care (100 places),
Rehab Centre

Clubhouse,
Wellness Centre,
Members' Hub

System Supporting Safety of Elderly Residents

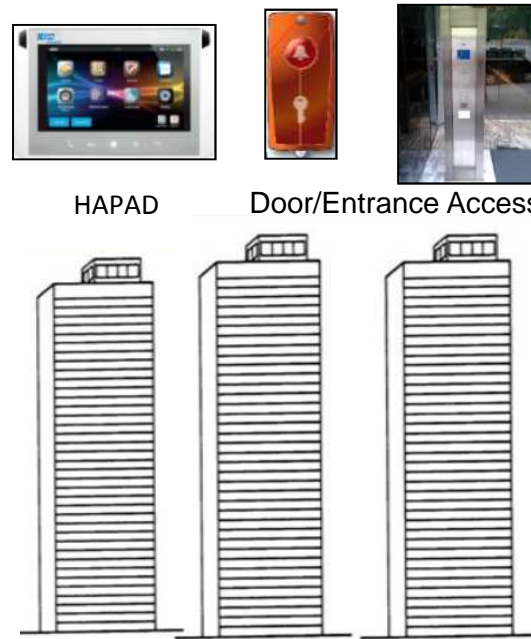


Call Alert & Emergency System

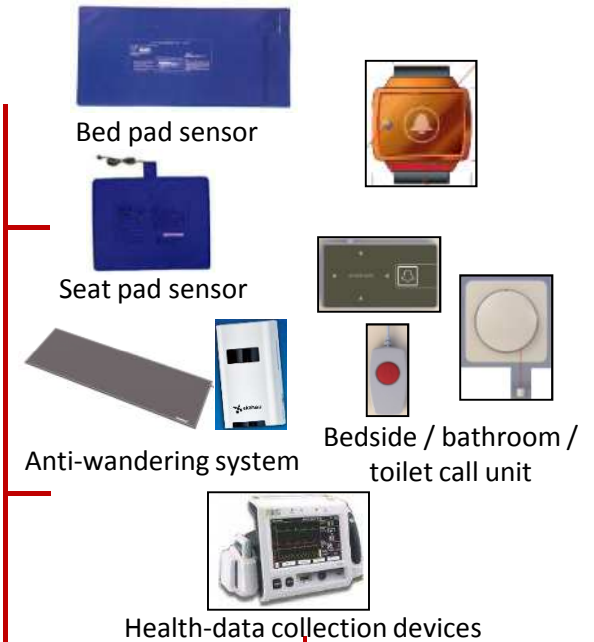
Residential Flats



Property Management / Clubs / Carpark / Common Area







RCHE/DCC



Central Control Monitoring System (CCMS)



Typical Elderly Flat in Tanner Hill

- 
Bedside call unit
Bathroom/toilet call unit
- 
Health-data collection system
- 
Motion sensor system
- 
Door contact tracking system



* Equipment and its location are for illustration purpose only

Conclusion

TECHNOLOGY IS JUST A TOOL

- by Bill Gates

It is a means to an end

Thank you