

CASE STUDY (3): ST. JOHN'S HOME FOR THE ELDERLY PERSONS

THE CHALLENGES

- The elderly will take some time to get used to the new environment and it will be more labour intensive to locate the whereabouts of the elderly, especially those with dementia.
- The elderly might wander into restricted/unsafe area and some might even try to leave the compound.
- Caregivers not having visibility and traceability of the elderly.
- Caregivers are manually recording, retrieving and monitoring the medical records of the elderly and rooms have to be allocated to store these medical records.

SOLUTION

- Deploy Bluetooth Gateways and Integrated Wearable Beacons to provide Real-Time Location Solution (RTLS).
- Enhancing the RTLS Solution to provide Fall & Violence Detection, Access Control, Meal Time Attendance Taking, Resident Well-being Monitoring & Contact Tracing features.
- Laundry Management System
- Automated Vita Signs Measurement Solution

THE SITUATION

St. John's Home for The Elderly Persons has been located on its present site at 69 Wan Tho Avenue since 1958. The Home is operating on a 1-storey compound with a land area of 8,924 sqm and is entering into its final year of tenancy agreement. In 2015, the Government granted St. John's Home a fresh 30-year lease which will expire in December 2045, on a reduced land area of 3,300 sqm. St. John's Home is presently constructing their new Home over a 5-storey building on the 30-year lease land. Construction began in November 2018 and when the new building completes in mid 2021, the Home's licensed capacity shall be increased from the current 86 to 150 elderly persons.

BENEFITS

- The Elderlies have a safe home for their physical and medical needs to be.
- Caregivers have a work environment that enables them to be more productive and efficient to render care to the elderly.
- Caregivers are able to tell the exact location of every elderly.
- Caregivers will be automatically notified when:
 - Any elderly is in a restricted or unsafe area.
 - Any elderly has fallen or involved in an event of violence.
 - Any elderly has not taken their meal.
 - Any elderly has not had their clothes washed
 - Any elderly has an abnormal change in their day-to-day living (for e.g. more or less visits to the toilet, less active, spending more time on bed, etc.)

For More Information

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Essence – Real-Time Location Solution

