

CASE STUDY (2): ELDERLY RESIDENT LIVING (YISHUN - SINGAPORE)

THE CHALLENGES

- Potential Tripping & falling on vulnerable areas (Toilets & Kitchen).
- No personnel emergency response system (PERS) in place, unable to call out or help.
- Dementia health conditions - short term loss memory led to unfinished errands (unattended gas stove, water overflow and unsecured door etc.)
- Unaccompanied outdoor trip - Unknown whereabouts and becoming missing person

SOLUTION

- Deploy Essence Smart Care IOT solution throughout Elderly's personal residence.
- Install PERS (Personnel emergency response system) inside toilet & bath area.
- Install Essence Smart Home System for Proactive detection (smoke sensor & water overflow sensor).
- Install MDsense wired-less radar fall sensor at vulnerable location.
- Wearable GPRS tracking device (Going Outdoor).

For More Information

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THE SITUATION

Madam Yap is 75 years old this year and living with her unmarried 50 years old son in a 2 Bedder apartment in Yishun Ring road for more than 3 years. She was diagnosed with onset dementia and is currently on medication to maintain her current health conditions. She often home alone, does her chores and prepare her own meals as her unmarried son daily goes to work early morning and return home late. Her other children are married with family, living in various parts of Singapore and visit her occasionally over the weekend.

Madam Yap mental health is gradually deteriorating due to her dementia conditions. She faced challenges to complete her errands due to momentary memory loss. Incidents such as water overflow after shower, gas stove left unattended and unsecured main door does happen from time to time. Personal Safety and wellness are key concerns for Madam Yap because she could have fallen on slippery wet floor and create a potential fire hazard as she is unaware of the environment condition.

Madam Yap was reluctant to learn and pick-up new IT knowledge and her traditional mindset have limited her ability to use mobile handset to communicate with her children. The other major issues her family members faced was her "disappearing" whereabouts when she goes out for social visit or does her outdoor errands. She has failed many times to return home on schedule and was found wander away or "lost" to other unplanned destinations (Madam Yap carries a name tag with her children contact number).

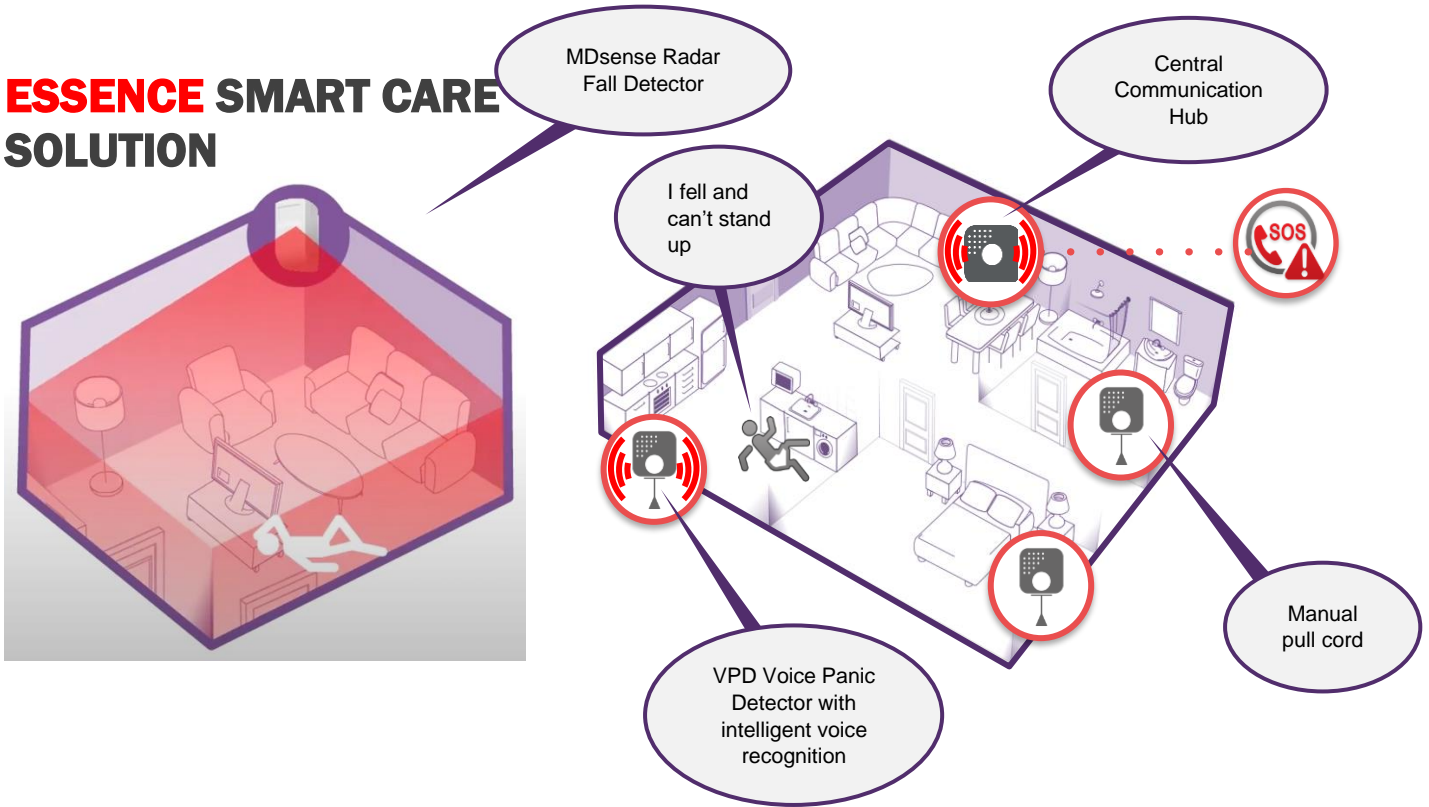
Essence Singapore was privileged to be given an opportunity to provide a holistic Smart Care solution for Madam Yap. The IOT technology provide an intelligent platform for ease of monitoring and open communication between Madam Yap and family members said Mr Kong (eldest son). The key benefits of the essence smart care solution are a proactive and dual interactive platform that is simple to use and hassle free deployment.

BENEFITS

- Family members are able to monitor elderly person safety and wellness with peace of mind
- Radar Fall Detector provide immediate alerts if she has fallen or unconscious.
- Pendant able to provide Geo-fencing and RTLS location of elderly person whereabouts for traceability.
- Lifestyle as normal and autonomy for Elderly Person.
- Essence smart care analytics provide individual wellness indicators on elderly person daily activities and routine.
- Minimum disruption to property premise (IOT sensors are Wired-less & battery operated).



ESSENCE SMART CARE SOLUTION



Elderly Priority Powered By IOT (Assistive Technology, Seamless Monitoring)

