Application Notes

Warabi City Elder Care Center Smart Care case study

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Background

Warabi is a small city of 72,000 in Saitama Prefecture, Japan. Like many developed countries whose senior population is growing rapidly, the issue is even more severe in Japan. As of 2014, 1 in 4 Japanese is 65 years or older.

Warabi City General Social Welfare Center (蕨市総合社会福祉センター), or Elder Care Center, is a facility that addresses the growing demands of this population.

Care limited by inadequate medical equipment and staff

There are about 30 rooms in this facility that accommodate seniors in the city and provide general care for the residents. With limited medical equipment and limited nursing staff, proving sufficient care is increasingly becoming more of an issue.

Prohibitively high equipment and installation cost

Plans call for an urgent call button to be installed in each room. But because this older facility isn't pre-wired for the complete system, it presents a substantial cost to the City for complete implementation of an urgent call system—over US$90,000—a figure which is simply over budget.

A smart solution for elder care

Miotta Smart Wellness solution provides an affordable solution for Warabi. It's wireless, so it saves on installation costs. It also made it possible to work our a simple solution with our partners, Licom and Warabi TV, that included a wireless access point and a Wi-Fi hub in each room.

Stage 1 – One panic button per room (Deployed)

Panic buttons make it easy for patients to notify staff with a single touch. When activated, the nurse station on each floor receives an audible push notification alert on their smartphones.

Although a single Hub can manage traffic for multiple panic buttons, the Warabi Elder Care Center chose to deploy one Hub per room because of its minimal cost, and expandability for stage 2 deployment.

Stage 2 – Additional panic button and HD camera (in development)

The dramatic cost savings from stage 1 deployment made it possible for Warabi to begin immediate deployment of stage 2 deployment.

Stage 2 adds our new Twist HD camera to each patient room and a second panic button for each en-suite to give patients access to a call button in the bathroom where many accidents happen.

The Twist HD camera can turn a full three hundred degrees for an ultra-wide field of view. This makes it easier for caregivers to monitor each patient. And because it's also equipped with an internal speaker and microphone, it allows two-way communication for both caregivers and family members.

With the individual Hub in each room, the center could easily control who are authorized to receive the push notification or even watch live and recorded video with consent of the resident's families. This could easily develop into a paid premium service for any elder care center if city is looking for additional funds to pay for this installation.

About Miotta

Miotta offers advanced Autonomous Premises System-of-Systems PaaS and SaaS to serve global service providers and brand owners. Miotta's cloud-&-fogs PaaS, SaaS auto-setups, -aggregates, and -provisions multi-sites' IoT devices to communicate with tier-groups of mobile-users for recurrent monthly revenue (RMR), data awareness, eco-partners' device control, and ultimate brand relevancy. 30+ embedded IPCAM & IoT devices cover interactive Video, Security, Safety, Care, Aging-in-place, and Automation in one Super-app for Multi-site Multifaceted Smart Home/Enterprise/Community protection, awareness, call-center, and peace of mind services.