



# Smart Integrated Solutions (SIS)

*Empower care with meaningful technologies*

**GLT**

Tech Solutions Provider

**Global Link Tech Pte Ltd**

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CO/GST REG. NO: 201003084W

# Module 1: Smart Geo-Fencing System (SGS)



RFID based system that alerts care staff when a resident leaves permitted area

## How it works

RFID reader detects Elderly's tag (sewn on shirt or wearable tag) as they enter a non-permitted area. This will then alert the care staff



1

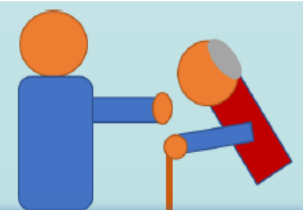
Detect!




2



\*Alert Sound\* 3



 Seng E04A0303  
Level 06 LB-1-W New Alarm  
2020-02-11 20:37:42

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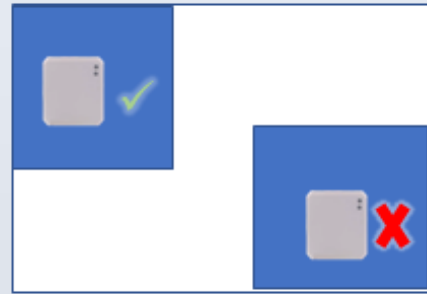
## Features

### Passive RFID Tag



Thin washable tags that don't require battery to power.

### Customizable permitted area



Customize permitted area for each Elderly

### Mobile APP and PC display



Able to view alarms away or at the station and select which staffs should receive a ward's alarm

### Compatible with our RFID Systems



SGS uses the same infrastructure as our other RFID Solutions, which can be integrated.

## Benefits

- ✓ Enable caregiver to locate Resident efficiently without having to spend considerable time conducting a search.
- ✓ Non-intrusive solution

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# Module 1: Smart Geo-Fencing System (SGS)

## Award winning System

The top award – the National HIP Excellence Champion Medal - was presented to Ren Ci Hospital for its smart geo-fencing system that keeps its nursing home residents with dementia safe by alerting staff if they wander outside zoned areas.

### The Solution



*Small and water proof RFID tag/s sewn into the seams of residents' clothes*

In order to address this issue and ensure the safety of the residents, without compromising their sense of empowerment in movement, residents' clothes are tagged with a small RFID chip, and areas that are monitored have been installed with an RFID

# Module 1: Smart Geo-Fencing System (SGS)

## Mentioned on Websites



Singapore

Delivery robots and smart glasses: Innovations free up nursing home staff to provide better care

At the Ren Ci nursing home in Ang Mo Kio, a geofencing system has been put in place to easily locate seniors with dementia in the event that they get lost within the 10-storey building.

Residents tagged with the smart technology will trigger an alarm if they wander past certain perimeters in the vicinity, such as the exit, which will alert the security.

Previously, when a resident was missing, staff would have to comprehensively search each level of the home.

With the system, staff are now able to locate the residents much faster on a tablet that shows their location.

### Ren ci Nursing Home's Website

#### Excellence Champion Medal

"Smart Geofencing System (SGS) for Residents' Safety" was awarded the Excellence Champion Medal, for the National Healthcare Innovation and Productivity (HIP) Medals 2022. SGS uses RFID technology to track & record movements of residents with dementia at Ren Ci @ Ang Mo Kio, to keep residents with the tendency to wander out of the households/wards and facility safe. The system has since been scaled and deployed to our other facilities. This use of innovative technology enhances the standard of our care, achieve greater efficiency and excellence to benefit our seniors.

# Module 2: Smart Attendance Management System (SAMS)



Smart Attendance Management automate the process for taking Clients' attendance and process for generating and submitting attendance reports.

## How it works

Smart Attendance utilizing RFID solution. Staff can now automatically record and track attendance.



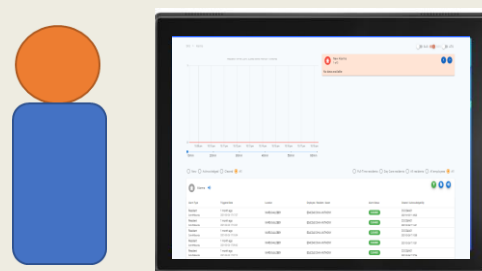
1

Detect!



2

Event View



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# Module 2: Smart Attendance Management System (SAMS)

## Features

### Different types of RFID Tag



Various tags to suit the needs of the Elderly

### Different types of readers



Various Readers to fit different work flows or purposes

### Mobile APP and PC display



Able to view alarms away or at the station and select which staffs should receive a ward's alarm

### Compatible with our RFID Systems



SAMS uses the same infrastructure as our other RFID Solutions, which can be integrated.

## Benefits

- ✓ Enable clients' attendance to be easily taken and managed.
- ✓ Enable staffs to track when clients leave the premise.
- ✓ Auto update to HQ via email at fix timing

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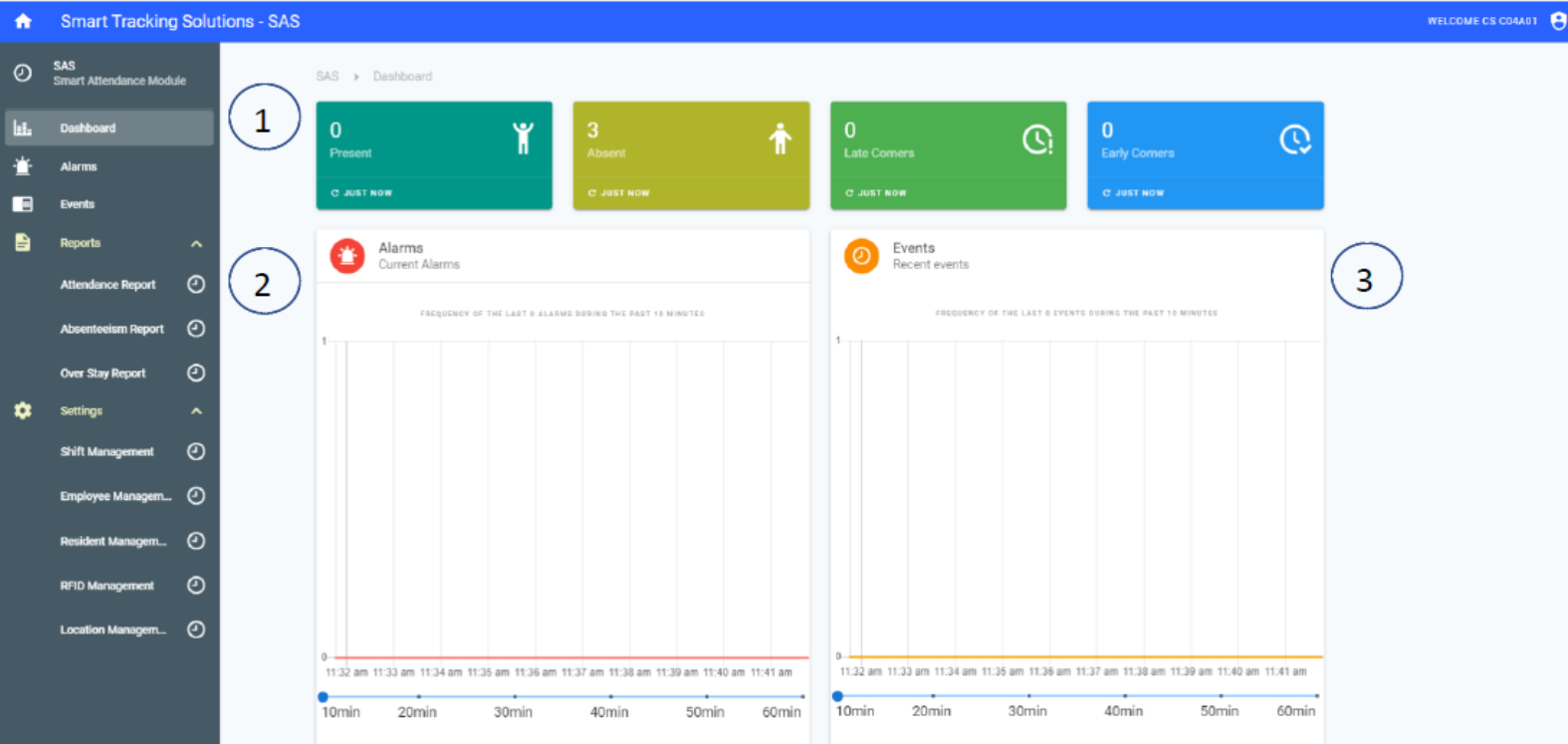
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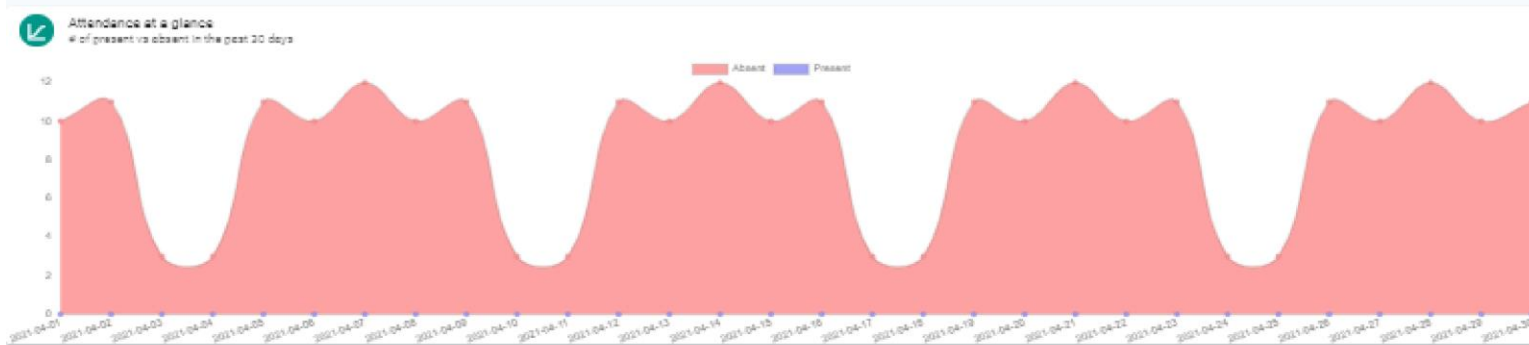
# Module 2: Smart Attendance Management System (SAMS)

## Page View for Attendance Taking



Alarm Type	Triggered Date	Location	Employee / Resident / Asset
Resident Early-Comer	2 months ago 2021-03-10 09:35:05	WARD-06-LOBBY	DC1-CHOD MONFRI
Resident Late-Comer	2 months ago 2021-03-09 13:58:59	WARD-06-LOBBY	r5
Resident Late-Comer	2 months ago 2021-03-09 09:35:05	WARD-06-LOBBY	DC1-CHOD MONFRI
Resident Late-Comer	2 months ago 2021-03-09 11:31:59	WARD-06-LOBBY	DC1-CHOD MONFRI
Resident Late-Comer	2 months ago 2021-03-03 11:58:00	WARD-06-LOBBY	DC1-CHOD MONFRI
Resident Late-Comer	2 months ago 2021-03-03 11:53:55	WARD-06-LOBBY	DC2YDCH MONFRI
Resident Late-Comer	2 months ago 2021-03-03 11:53:54	WARD-06-LOBBY	r10

Event Type	Triggered Date	Location	Employee / Resident / Asset
Resident	2021-04-27 17:58:58	WARD-03	DC2-BENG MONFRI
Resident	2021-04-27 17:58:58	WARD-06-LOBBY	DC2-BENG MONFRI
Resident	2021-04-27 17:58:58	WARD-03	DC2-BENG MONFRI
Resident	2021-04-27 17:58:58	WARD-06-LOBBY	DC2-BENG MONFRI
Resident	2021-04-27 17:58:51	WARD-03	DC2-BENG MONFRI
Resident	2021-04-27 17:58:53	WARD-06-LOBBY	DC21-TOW PAY
Resident	2021-04-27 17:58:52	WARD-03	DC21-TOW PAY





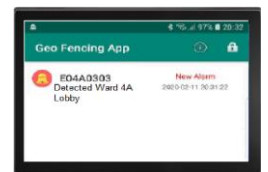
# Module 3: Smart Asset Tracking Management System (SATMS)



Smart Asset Tracking Management System automate the process of managing and tracking important physical assets.

## How it works

SATMS utilizing RFID solution to track and locate assets. The system can inform users where the last known location of an asset, or alert when it leaves permitted area.



Wall mount display



Mobile app

Conduct Stock Take whenever Any asset out of authorized zone will be alerted required

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# Module 3: Smart Asset Tracking Management System (SATMS)

## Features

### Scan to stock check!



Simply scan the shelves to automatically update on the current quantity

### Different types of readers

Tap card to take attendance



Walk past to take attendance



Various Readers to fit different work flows or purposes

### Mobile APP and PC display



Able to view alarms away or at the station and select which staffs should receive a ward's alarm

### Compatible with our RFID Systems



SATMS uses the same infrastructure as our other RFID Solutions, which can be integrated.

## Benefits

- ✓ Enable staffs to locate assets efficiently without having to spend considerable time conducting a search.
- ✓ Enable staffs to keep track and record assets with ease.

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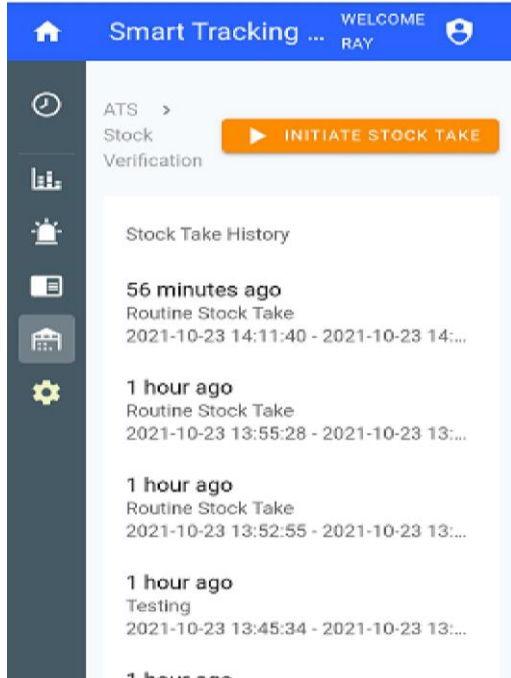
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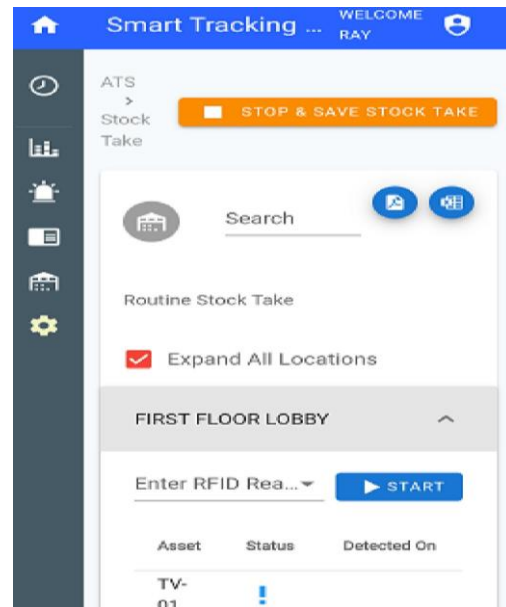
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# Module 3: Smart Asset Tracking Management System (SATMS)

## Portable Scanner

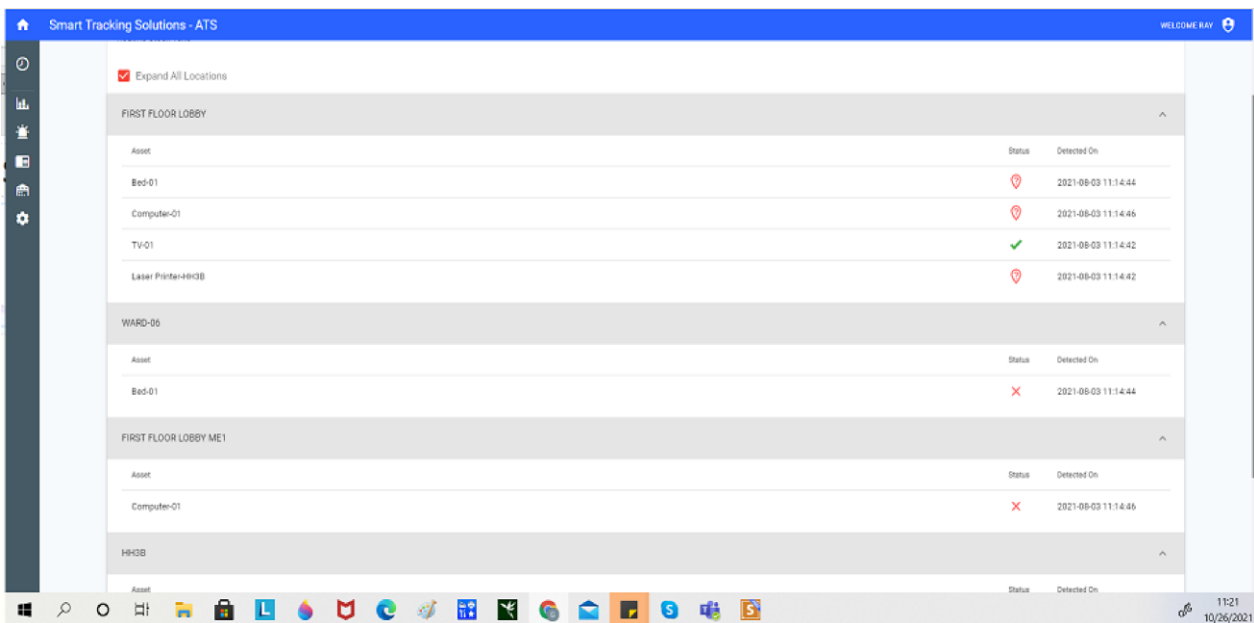


**Stock Take History**



**Stock Take Process  
(With export option)**

## Desktop



**Stock Take detail**

# Visitor Management Features

## Remote registration

Pre- Registration

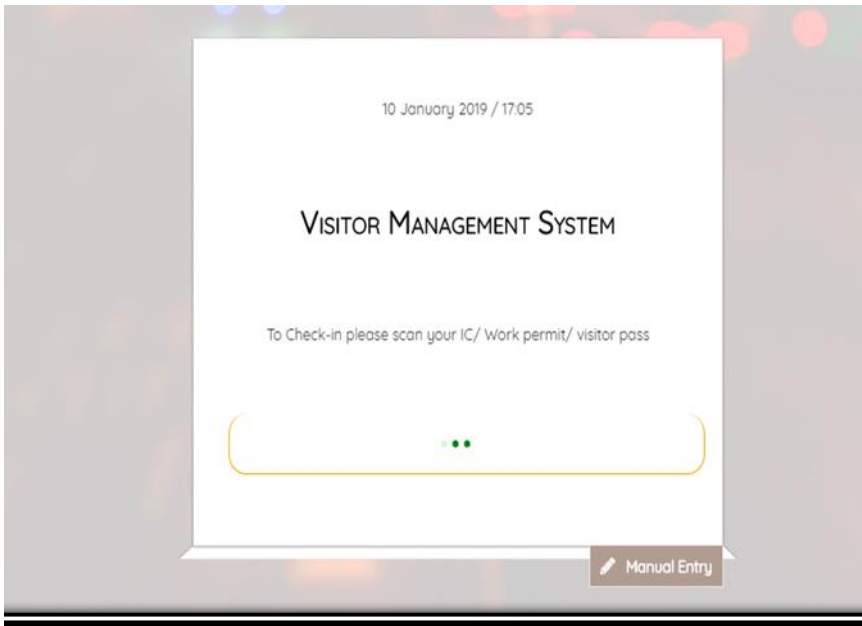


## On site registration

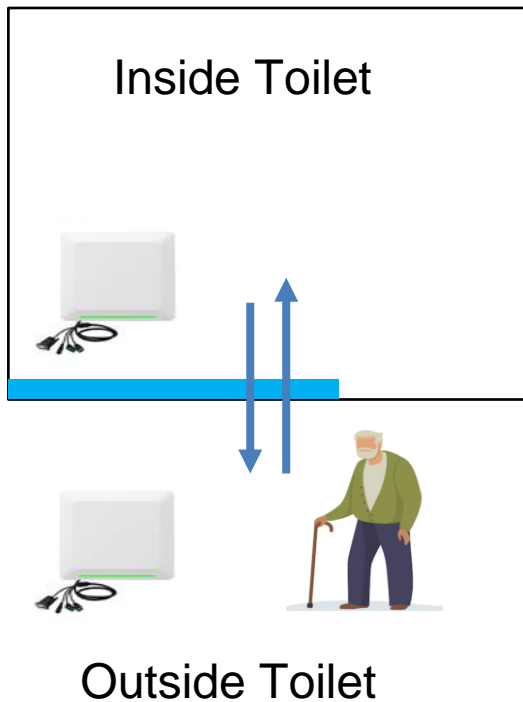
Self-registration Kiosk



## Access & Tracking of Visitor



## Toilet Long Stay Detection Feature



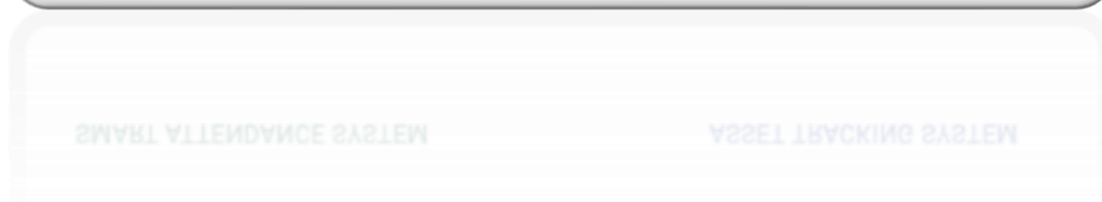
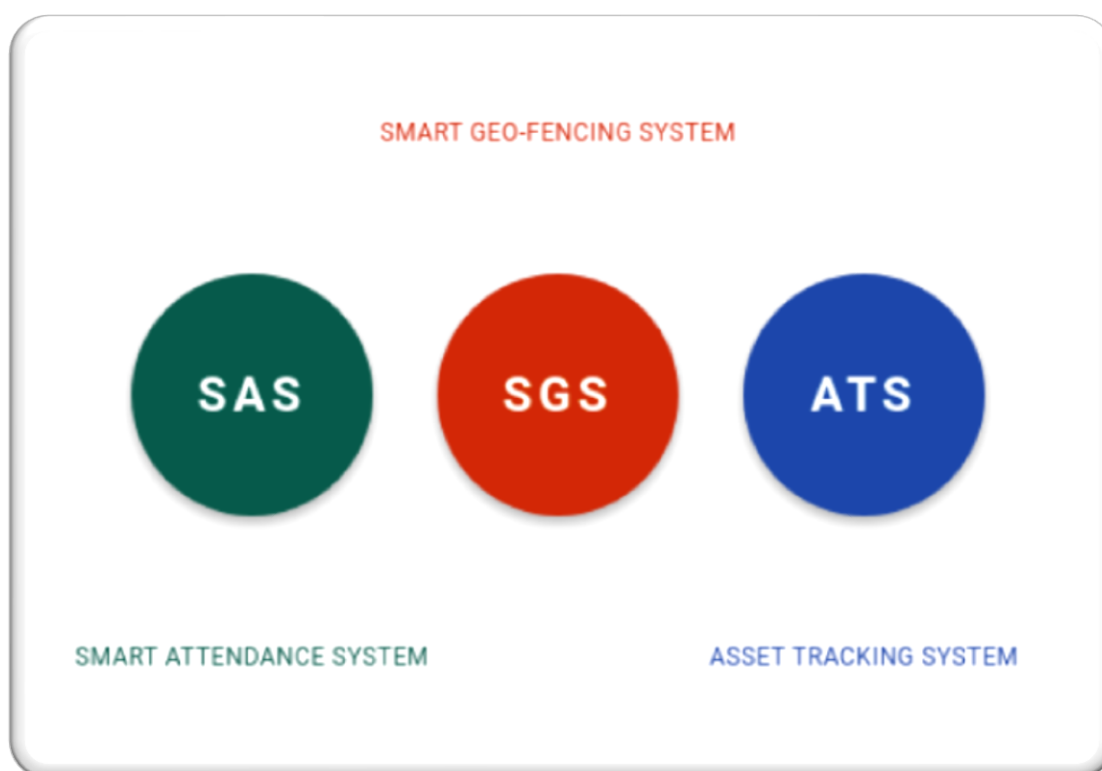
System will alert if a resident stays in the toilet for too long. The system tracks toilet stay duration for each individual.

## Fun Activity Management feature

Automatic tracking of residents' participation in activities, with rewards based on the frequency and level of engagement.



All 3 Modules and additional features are integrated into 1 system.  
**Smart Integrated System**



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