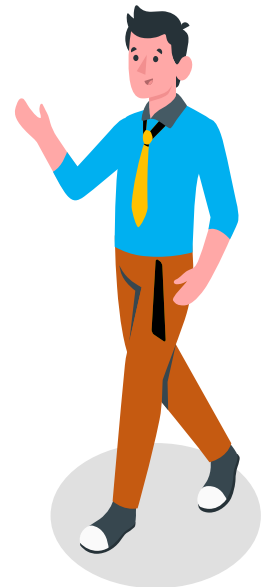
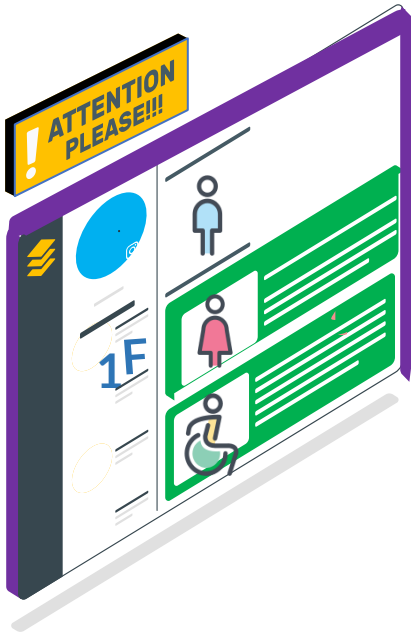


SmartCare

Caring When It Matters Most

A Solution for Accessible Toilet

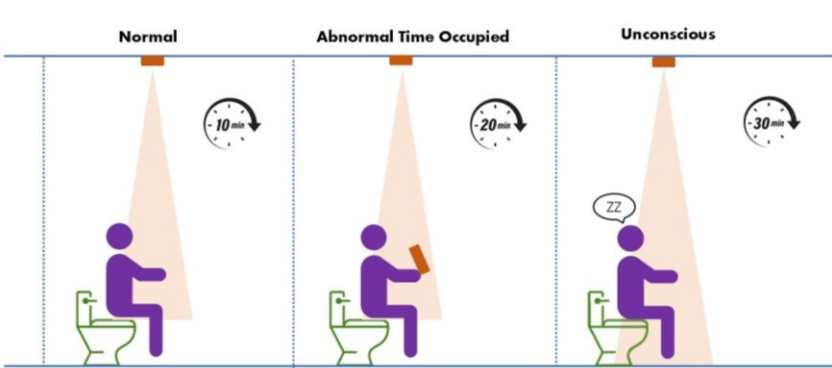


Innovative Safety with SmartCare

Addressing safety concerns in accessible toilets is a critical issue, especially when individuals are alone in the vicinity. Situations such as unconsciousness or other health-related incidents may arise, with no immediate assistance available during the crucial initial moments. To combat these challenges, **SmartCare**, a self-developed solution by **Petit.iot**, offers a cutting-edge system that monitors user well-being in accessible toilets without relying on invasive visual devices, ensuring complete privacy. Engineered with advanced detection technologies, **SmartCare** identifies signs of long stay, inactivity, or distress, enabling caregivers to respond swiftly and effectively. This revolutionary solution is poised to redefine toilet safety, transforming the way we safeguard independence and security in such vital spaces.

How SmartCare Works

SmartCare’s in-house AI engine seamlessly integrates with cutting-edge sensors—including mmWave technology and other advanced monitoring devices—to continuously collect environmental and motion data. This raw data is then processed by the AI’s sophisticated decision-making algorithms, which accurately distinguish genuine emergencies (such as a user fainting or remaining motionless) from routine activity, minimizing false alarms.



The system also provides one digital outputs for easy integration with external alarm triggers or other dry-contact devices. Upon detecting a critical event, SmartCare instantly alerts designated personnel, ensuring a swift and appropriate response. By fusing multiple sensor modalities with intelligent, AI-driven analytics and flexible interfacing options, SmartCare delivers a dependable, high-performance safety solution for restroom environments.

AI + IoT



Benefits of SmartCare System

- Enhance Safety** Ensure timely detection of abnormalities in accessible toilets
- AI-Driven Accuracy** Integrating AI-powered logic achieves high detection accuracy
- I/O interface** Local I/O for Alarm or Buzzer interface

Specification

MCU – mmWave 60GHz Sensor, DC 5V, Dia 98mm x 34 mm height, weight 80g
Magnetic door contact – hardwire to MCU, 30mmx 15mm x8mm , weight 43g