iti Group

IoTastic
Disrupting everything

IoT. Solved.

Home Care Monitoring
for the Elderly and Stay-at-home Patients

The problem

With average life expectancy continuing to rise more people than ever are living at home alone during their retirement years. But, of course, with age comes deteriorating health, which can be a major source of concern for the relatives and care-givers responsible for looking after them, particularly when they are busy leading their own lives and unable to provide 24-hour monitoring and support.

Anxiety about accidents, illness and falls can leave care-givers and relatives caught between meting their own obligations and those of the people they care for. But what if there was a way to provide 24-hour off-premise monitoring that can alert you immediately, wherever you are, if something ever happened to your relatives when you're not there?

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HomeCare Application
Core functions

Our HomeCare application has been designed with ease of use, efficiency and cost-effectiveness in mind. Deploying out strong technical expertise we have focused on optimising the most critical functions.

Night Wandering

Door Locking

Visual Supervision

Bed Presence

**IoTastic
HomeCare Application**

Medication Reminders

Safety Alarms

GPS Tracking

Core Functions

- Safety Alarms
- Bed Presence
- Medication Reminder
- Wandering Detection

Secondary Functions

- Visual Supervision
- GPS Tracking
- Door Locking

The solution

The IoTastic engine is a remote home care monitoring system that gives carers peace of mind by providing a round-the-clock monitoring solution that tracks movement of relatives, and then alerts them – via their mobile phone – if any unusual activity, or lack of, is observed. For example, if a relative has been immobilised, perhaps by a fall, Vitheia's motion sensors (which can be installed throughout the home) will sense the lack of normal movement in the house and send an alert to the carer's mobile phone.

IoTastic offers a range of solutions to suit different needs. Our **basic offering** is suitable for people that are able to take care of themselves during the day without external assistance, but who may be vulnerable to falls and accidents due to age or ill-health. The basic package consists of a single movement sensor, which is connected to the Internet. If no activity is spotted by the installed motion sensors within a predefined, and customisable, period, the carer is alerted by text message, allowing them to take appropriate action, such as calling the person or visiting the house.

We also offer an **extended package** for those living at home, but who require daily care and assistance. In this case, IoTastic engine provides multiple healthcare sensors, which have the ability, for example, to detect if a person falls out of bed, or does not return from the bathroom within a predefined time period. We also offer door-access and control to ensure that no unwelcome visitors are entering the home without consent, as well as sensors that track outdoor movement and the location of the person being monitored.

The benefits

The IoTastic engine remote home care monitoring system provides peace of mind to carers and relatives who are unable to provide round-the-clock care. It ensures that in the event of an unfortunate incident, carers and relatives are alerted quickly, allowing them to respond appropriately. Alerts are sent automatically and conveniently to a chosen mobile device, meaning that carers can rest assured that should the worst happen, they will be the first to know. It also provides added security for the homes of vulnerable elderly people.

The oTastic Services

We offer several solutions between basic and fully extended packages. The figure below shows the types of sensors available and personali ed connected service scenarios. Several optional functions can be added during the initial installation or at a later date.

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IoTastic is an innovative software company that develops and delivers valuable IoT and M2M applications for key sectors such as healthcare, automotive and telematics, smart home, and security. Our solutions can be fully customised to extend functionality and ensure that our customers meet their business goals.

We enable the rapid launch of new services and help customers to accelerate time to market. IoTastic prides itself on its reliability, proactive approach and extensive vertical and domain expertise. Our extensive partner network enables us to deliver turnkey solutions that exceed customer expectations.

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