BeSure

PEACE OF MIND

BeSure is a set of services designed to help vulnerable people (frail elderly, people with dementia, people with autism etc) live independently at home for as long as possible, and a Person who Cares **be sure that they are ok**.

The services are designed around these concepts:

Providing a warm, dry and safe home

Monitoring the status of a home and providing end users with data and notifications when any action is required. Extensions can be provided for fire, flood, and unusual activity in non-safe areas around the home and immediate surroundings.

Living well inside the home

Caregiver is notified of potential issues and changes in behavioral patterns that concern physical health and well-being (ADL), such as movement, eating regularly, hygiene, sleep and keeping the home temperature in a desirable range.

Managing outside the home

Notification to caregivers if there is an unexpected departure from a person's safe environment, with an option to locate loved ones.

* Each service can be delivered independently or in combination with others.

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Esperanto Road
Last transmission received: 2019-09-28 15:45:00
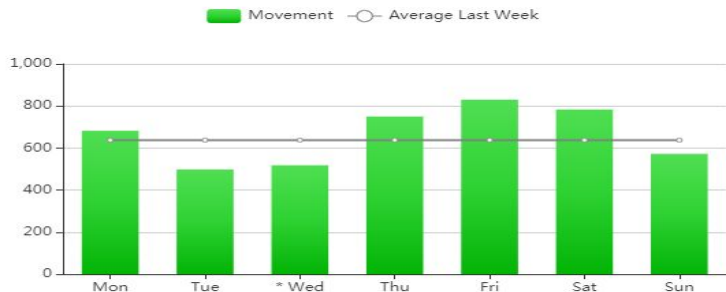
Home Health

Zones	Temperature		Humidity		Light
	Min	Max	Min	Max	
Bedroom	15	18	60	68	02:00 -04:00
Bathroom	15	17	62	81	02:00 -04:00
Kitchen	15	18	58	69	02:00 -04:00
Living	15	18	59	70	02:00 -04:00

LIVING WELL AT HOME
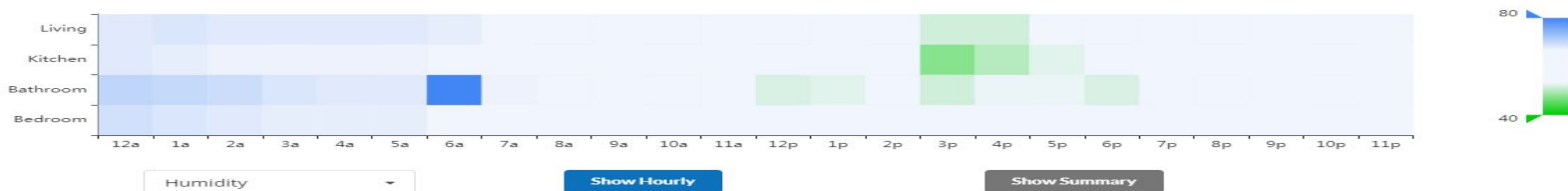
Conceptual Architecture
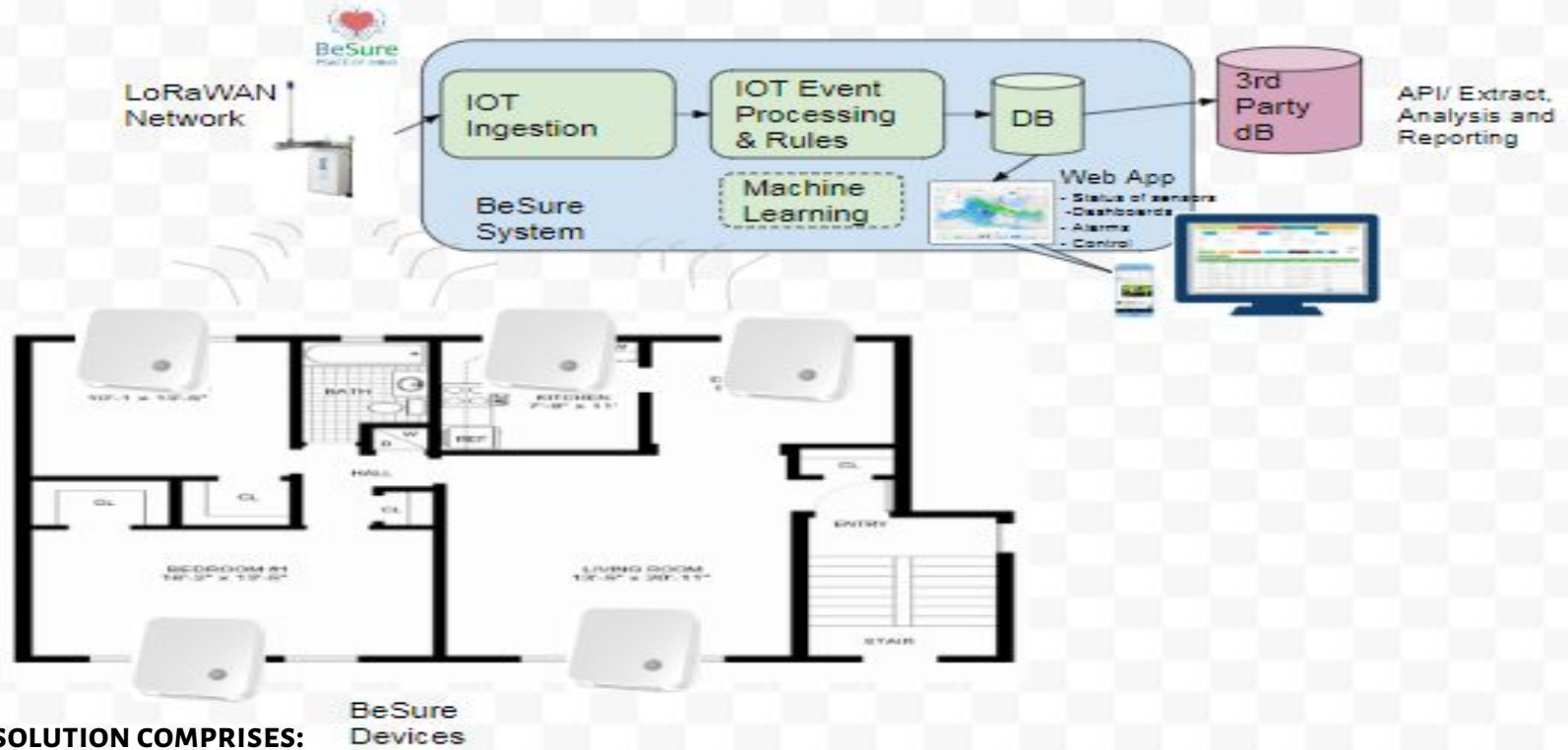
The solution comprises:

- Room sensors connected via the LoRaWAN network (Numbers of devices vary based on service)
- Software back-end and user interface for data ingestion, processing and access
- Extract/ API to allow connection to systems for reporting and analysis

➔ **Includes –** temperature sensor, humidity sensor, light sensor, motion sensor (PIR), CO_2 sensor (optional)

➔ **Battery powered –** 5-7 year life

➔ **Range –** 5km line of sight, approx 2km in cities

➔ **Transmit** **–** every 15 mins (configurable)

➔ **LoRaWAN –** Public/ hybrid/ private

➔ **Install –** adhesive

➔ **Temperature –** cold, heat loss, within World Health Organisation temperature guidance, fuel poverty

➔ **Damp –** humidity, dampness index, interventions

➔ **Movement –** some, none, patterns and abnormalities (eg sunsetting)

➔ **Nourishment –** has a regular mealtime behaviour

➔ **Sleep –** has a regular nocturnal/ sleep pattern

➔ **Hygiene –** has a regular shower/ bathing routine

➔ **Social –** leaves house, sees people

➔ **Routine** - variation from own pattern

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BENEFITS

➔ Increase ability to live independently

➔ Reduce caregiver burden and stress

➔ Delay admission to Residential Care

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➔ **Designed and tested with people being monitored, their families and sector partners**

➔ **Leveraging leading edge technology and data research capability**

➔ **Strong industry and business experience:**

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