

Overview of Pilot Sites & Indicative Value-Added Services

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- Overview of the 4 project pilot sites covering 4 domains
 - eHealth // Pilea-Hortiatis (Greece)
 - Smart Energy & buildings // Martim Longo (Portugal)
 - Smart Buildings // Oslo (Norway)
 - Smart Parking // Tromsø (Norway)
- For each Pilot site:
 - Use Cases realised per pilot site
 - Available IoT Infrastructure
 - Related Value-Added Services



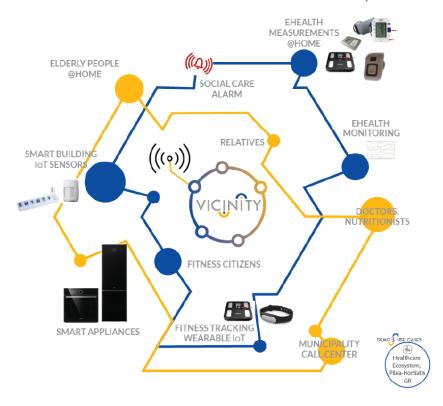
Pilea-Hortiatis Pilot Site - eHealth

Partners: MPH, CERTH, GNOMON



a. eHealth & Assisted Living (eHealth, Smart Building) b. Fitness & Preventive Medicine (eHealth, Wearable IoT)

MUNICIPAL SCALE ASSISTED LIVING & EHEALTH ECOSYSTEM, GREECE









Use Case 1-Assisted living

The Use Case provides **assisted living services** for remote monitoring of **elderly people** of the municipality. The aim is to better monitor elders who leave alone in order to prevent unwanted situations.

Offered services:

- Storing of medical data respecting the GDPR regulations.
- Analysis on medical data regarding frequency and type of measurements, alerts on outliers etc.
- Monitoring of elder's activity at home with building sensors, in order to be able to detect abnormal conditions and raise events when deviating from usual habits.











Well done! You don't have any patient that don't follow their treatment plans

My Patients

Calendar

Appointments



Use Case 2- eHealth Urban Marathon

The Use Case aims to promote a **healthier lifestyle** to the **middle-aged citizens** of the municipality, though a fitness competition. The aim is to support citizens to change their everyday habits in order to obtain a better quality of life.

Offered services:

- Storing of medical data respecting the GDPR regulations.
- An awarding, gamified point system according to the citizen's diet program, activity and visits to gym, called "Urban Marathon".
- Aggregated analysis of citizens medical data giving an overview of the population's activity.











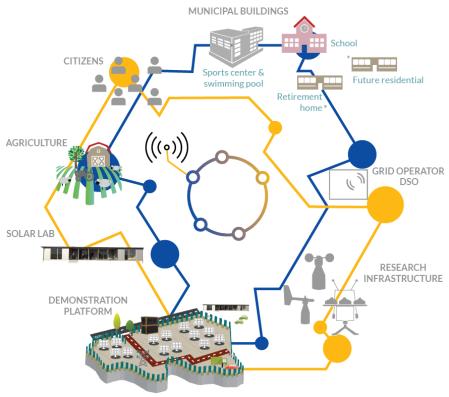


Martim Longo Pilot Site – Smart Energy and buildings

Partners: ENERC



SMART ENERGY ECOSYSTEM, PORTUGAL, ALCOUTIM









Use Case 1 - IEQ and Energy Municipal Services

The Use Case facilitate dynamic data collection from various sources, including sensors and other cloud services with the goal of offering a Dynamic Building Audit.

Offered service:

 Dynamic Building Audit from energy and environmental sensors and real-time monitoring of thresholds.

IoT infrastructure

Sensors that measure:

- Temperature
- CO2
- Humidity
- electrical current (3-phase)
- electrical pulse count
- water pulse count
- single phase count







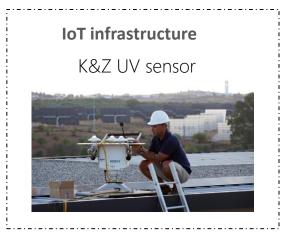


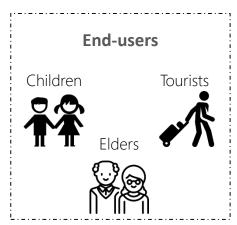
Use case 2 - UV (Ultraviolet radiation) info services (Local to Local Services)

The use case aims to demonstrate re-use of existing equipment for local services through VICINITY Platform.

Offered service:

 Monitoring of the ultraviolet radiation index in order to prevent any harmful effects on the health of students and the elderly









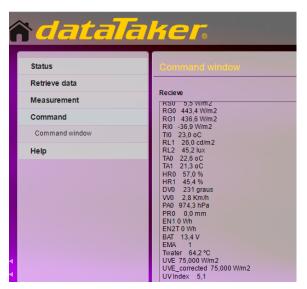


Use case 3 - Distributed Energy Assets Management

By monitoring the meteorological conditions of the area, will allow more accurate predictions and scheduling for actions like **washing of the solar systems** plus usage optimization of the resources and the equipment.

Offered service:

PV panels Smart Clean. O&M for distributed renewable production resources.



Datalogger data from SolarLab







Oslo Pilot Site – Smart Buildings

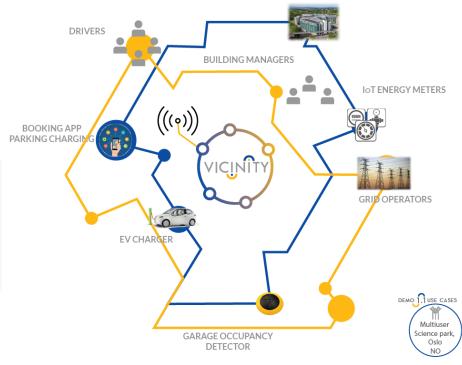
Partners: TINYM



a. Building Preformace (Building, Energy, Environment)

b. Parking (ITS, Energy, Building)

MUNICIPAL SCALE SMART BUILDINGS, ENERGY AND MOBILITY ECOSYSTEM, NORWAY









VICINITY Use case 1 - Predictive operations

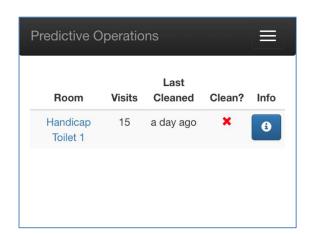
The use case deals provides cleaning staff with data on room usage and notifications when a room needs cleaning.

Offered service:

Cleaning and waste removal notification service and warning

IoT infrastructure

Occupancy, door sensors











Use case 2 - Resource management

The use case will support decision making on energy management with appliances control. Combined with weather forecast data from YR the service can predict upcoming electricity peak loads based on estimated needs for additional heating or cooling of the premises.

Offered service:

Management and prediction of energy consumption.

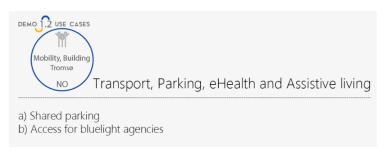




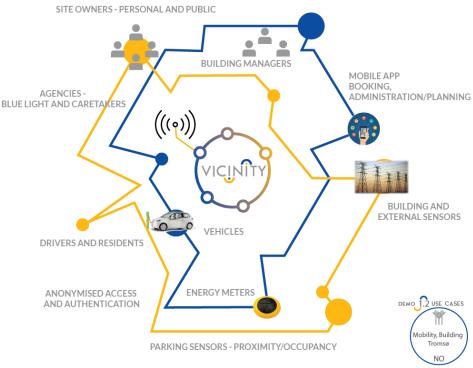


Tromsø Pilot Site – Smart Parking

Partners: HITS



MUNICIPAL SCALE TRANSPORT, PARKING, EHEALTH AND ASSISTIVE LIVING, NORWAY







Use case 1 - Shared parking/priority parking

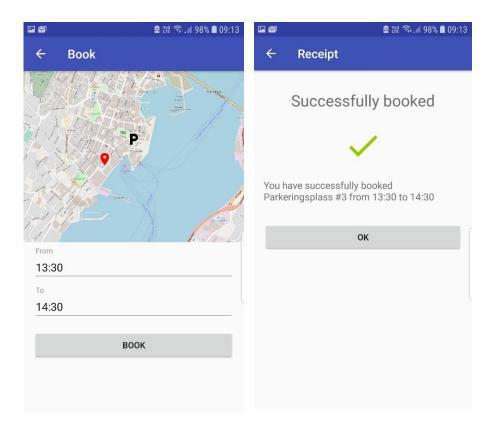
This use case offers a **smart parking solution** for cluster of buildings.

Offered service:

 A ticketing service is offered to the parking space owner and vehicle user.

IoT infrastructure

Parking sensor Smart Light









Use case 2 - eHealth Emergency parking

This use case offers a smart parking solution for cluster of buildings in the case of an emergency.

 A priority ticketing service is offered to the benefit of parking space owner and caretaker driver.

Dr. Charlotte – responsible for taking care of and following up handicapped residents at Teaterkvarteret









VICINITY Questions & Answers

































