SMART DE-CARBONIZATION PLATFORM

TURNING BUILDINGS INTO
NET-ZERO ENERGY BUILDINGS

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SMART IOT SOLUTIONS – SMART FIELD / INDUSTRIAL SOLUTIONS
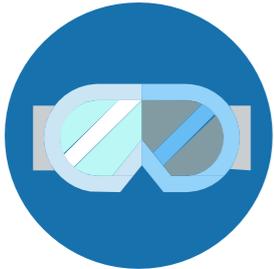
Smart AR glass
Emergency situation notification to display on glass. Work inspection

Identity & Access control
Every worker/ Vehicle access control through UHF RFID

Healthy condition
Body temperature, Fall sensor Heart rate sensor to evaluate individual worker working condition

Position tracking
Every worker/ Vehicle position tracking via BLE+LORA for open space and
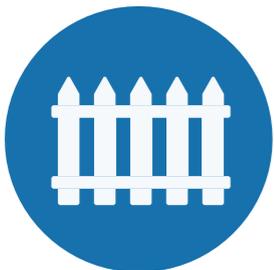
Forbidden Zone
Alarms with workers in more or more predefined forbidden zones

Wearable Camera
Recording working condition and remote communication and adapt to low illuminance environment

Harmful Air Detection
Detect Co Co2 O2 H2S and other air quality and directly link with Alarm system

Natural Disaster
Automatic alarm of land slide/ water floor and other natural disaster incidents by LPwan IOT

Alarm system
Emergency alarm system trigger through different event setup

People counting
Calculates people passing through certain area

Vehicle counting
Counting of individuals and /or vehicles. For separated moving objects

Energy Management
Help save energy through Smart Mater and CMVP

SMART IOT SOLUTIONS – SMART BUILDING/ CARE SOLUTIONS

Carbon Management

Scope 1, Scope 2 and Scope 3 Carbon Emission Management System

Identity & Access control

Every staff access control through UHF RFID, working with Facial Recognition System
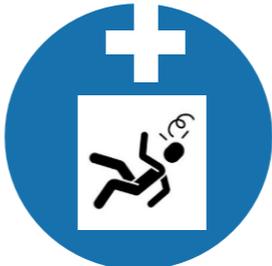
Fainted Sensor

Body temperature, Fall sensor, Heart rate sensor to evaluate individual patients/workers condition

Position tracking

Every staff / patientsracking via BLE+LORA for open space and

Dashboard

All data to transform management KPI
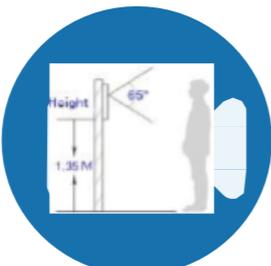
Facial Recognition

Facial recognition of the staff and workers in office for HR and security checking

IAQ Detection

Detect Co Co2 O2 H2S and other air quality and directly link with Alarm system
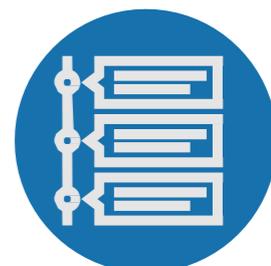
Backup

System data will be backup locally and in cloud

Alarm system

Fire Alarm, Security Alarm etc. of Alarm Systems

Document

stores all documentation in a customer web portal for instant access.
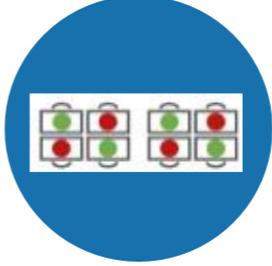
Smart Space

Check availability of Space or seats inside the office space
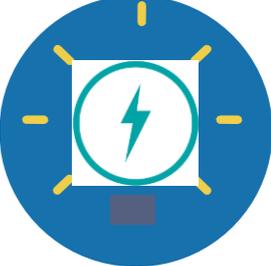
## Energy Management

Help save energy through Smart Mater and CMVP

Resource Flow Through Buildings De-carbonization Platform

INPUTS

Materials

Energy

Water

Investment

OWNERSHIP AND CONTROL

CLIMATE CHANGE

Occupant Use

Operation

Maintenance

Renovation

OUTPUTS

Social Impacts (Health /Safety/Comms)

Emissions to Air, Water

Noise

Waste

Financial Returns

Major disease treatment

SME finance

Energy efficiency

Sanitation

Green building

Sustainable water

Affordable Real Estate

CO² Pollution prevention

Nutrition

Alternative energy

Education

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