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Sensgreen Indoor Air Quality Solutions

Sensgreen is an IoT & AI-driven technology company, and we are developing solutions to measure a variety of parameters to make sure indoor air quality is optimal in buildings.

Additional submitted attachment is included below.

NET ZERO CARBON

breathe life

40TO60RH.COM
THE HEALTHY HUMIDITY

Sensgreen

CONNECTING INTELLIGENCE

We help convert big data into action points
to help you operate efficiently, cost-effectively & provide better experience to building occupants, through better control

• Singapore • Turkey • UAE

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Air is an essential element of the life
&
an integral aspect of **HVAC**

Air

90% of our lives are spent **indoors**

of humans don't breathe **safe air.**

Single Largest OPEX
Component & Multiplier
in every building

HVAC : Energy, Operations, Maintenance
Human : Productivity, Health, Customer
Company : Brand Value

Buildings

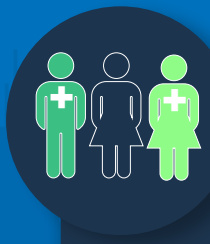
Average age of buildings **>** **30** years

Semi-reactive to single parameter

Productivity

20% lost productivity **=** over **$50** billion

Customers spend less or no time



Health

50% of sicknesses are due to **poor indoor air**

GOOD INDOOR AIR **=** vaccinating 50% of population against COVID

Ignorance

DYNAMIC ENVIRONMENT

No Data - No Analytics - Wrong or Lucky Decisions

Measure it!

- ✓ Wireless,
- ✓ Battery powered,
- ✓ Maintenance free,
- ✓ Zero installation,
- ✓ Self calibrated,
- ✓ Certified.

Temperature

Humidity

Pressure

CO_2

PM2.5

PM10

tVOC

See it!

- ✓ Mobile,
- ✓ Web systems,
- ✓ Alarms,
- ✓ Qr interfaces,
- ✓ Display screens,

Analyze it!

- ✓ Analyze the big data to observe patterns and abnormalities.
- ✓ Predict the future.

Push the CLOUD!

WiFi for small users
Bluetooth for vehicle fleets
LoRaWan for large premises
NB-IOT for the cities

Automate it!

Real time input

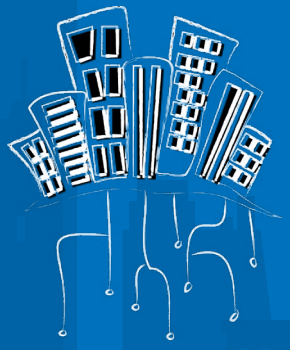
Online view

Dynamic Learning&Optimization

Flexible output&Constant action

=

SELF-RUNNING, SMARTER, GREENER BUILDINGS

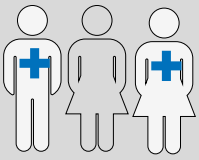


Why do you need DATA?

1 Operational Savings

Energy savings (15%)

Boost **facility management** efficiency



Reduce **absenteeism** (60%)

2 Health & Wellbeing

Boost your **energy & concentration**

Reduce infection **risk** (Covid-19, flu etc.)

Increase your **productivity** (50%)

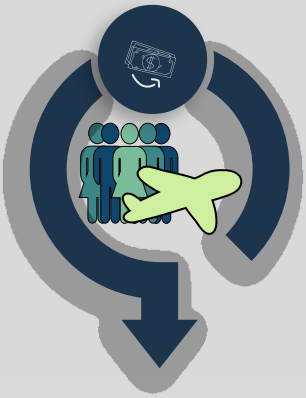
3 Revenue Generation

Reinstate customer confidence **post Covid-19**

Boost **customer** experience, time spent

Obtain AirQ+, Leed, Well, Reset **certifications, Market** CSR prestige

Attract new customers by marketing Air Quality as a **differentiator**



AIRPORTS

DATA CENTERS

INDUSTRY

AGRICULTURE

HUSBANDRY

SCHOOLS

BANKS

OFFICES

HOSPITALS

MUNICIPILATIES

MALLS

GYMS

TAXIS

BUSES

HOTELS

Products

Wide measured parameters
(100% cable free)

Connectivity Module
(LoraWan, NBIOT, Wi-Fi, Bluetooth)

Status LEDs
(Power, Communicate, Battery)

Battery Power
(2-4 years)

Individual QR Box
(Occupant Feedback&Review)

SensNODE

SensANALYTICS

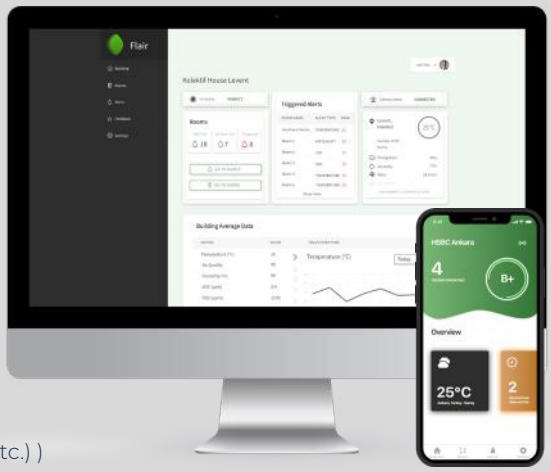
The collected data from IoT devices (SensNODE)
are displayed over "cloud-based dashboards".

Occupant Feedback
(Analyzing, Creating insights, human centric)

Anomaly Detection Tool
(Detection of unexpected and non defined events)

Facility Management Recommendation Tool
(Weekly&Monthly reports, Recommendations)

Pollutant Source Recognition Tool
(Analyzing different parameters(smoking, carpets, cooking etc.))



SensLINK

Occupant Feedback

-Create a 360-degree communication loop between you, buildings & occupants.
-Receive real-time feedback from your building occupants on air around them to help you provide them better experience.

Why Sensgreen?

Hardware
100% Cable Free
4 years battery
7-in-1 sensors

Integration
B2B Features
Analytics
Virus Index

Connectivity
Multi Platforms
(Lora, NBIOT, Bluetooth, Wi-Fi)

Software
BMS, CAFM, BAS
API
IR/IFTTT

Modular
Flexible to customize
Custom hard/soft options

Pricing
Subscription Model
Lifetime Warranty/Updates
No fear of CAPEX obsoletion

References

HSBC
The world's local bank

Carrefour

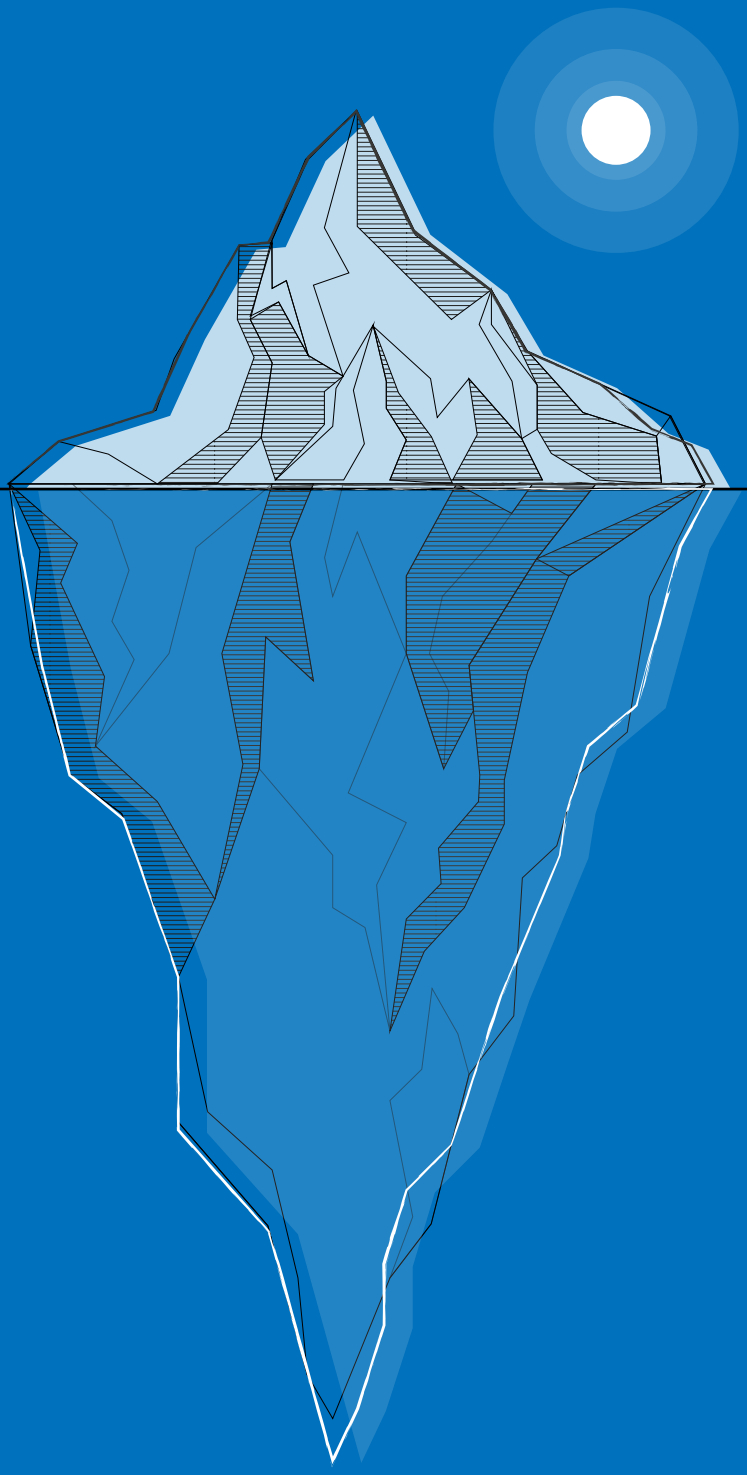
sodexo

JLL

Unilever

Sensgreen

AIR



What people see

What people don’t see

- Energy
- Operations& Maintenance
- Health
- Performance
- Brand Value

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