SENSING LABS CD

Senlab[©] Catalog & Case studies

Sept 2017

Welcome Message from Sensing Labs team

Dear Customer,

We're happy to present you Senlab range of products and some examples of use cases that our solutions are able to perform.

Those 15 use cases are based on real implementations made by our customers. There are illustrative (but non-exhaustive!) and we hope that they will give you the wish to implement one of them or to create your own...



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SENSING Reduce your building energy consumption LABSOD

Precisely control your building energy consumption and reduce your energy bill by identifying abnormal consumptions and BEMS incorrect adjustments







Indoor luminosity

Ambient

Temperature

Optimize your workspace and confort at work

Trace the activity (rooms and desks occupancy rate, passage...) inside your building and reorganize it towards real usages

Control the indoor environmental quality (T°, humidity, light,...) and improve the confort at work



T° + Humidity

Ambient Temperature



Allow elderly people to stay at home

Trace precisely the activity of elderly people staying at home, identify quickly any deviation of behaviour and intervene sufficiently early ...



Led Pulse Presence Passage

Pulse

Pulse ATEX

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Prevent legionella outbreak



Control the exterior surface temperature of the hot water pipes, be alerted in case of too low temperature risk and prevent legionella outbreak



Senlab Case studies

Traffic stats & prediction for stores and public sites



Get precious traffic info of the site you're responsible for, build statistics and prediction, adapt the organisation to provide visitors with better services...



Senlab Case studies

Make the cleaning services more efficient



Get in real time the traffic information of the area to be cleaned and adopt schedules of the cleaning staff accordingly



Senlab Case studies

Smart metering

Connect your Gas or Water meter, get highly precise consumption info, develop new services for your customers and better manage your distribution network...



Senlab Case studies

Pulse

Pulse ATEX

Led Pulse

SENSING Check how your equipments are running LABSOD

Use the digital outputs of your equipments to get real-time status (on, off, malfunction alarm,...) and to detect any abnormal operation



monitoring Ε

I/0

Equipment to

ON/OFF state

SENSING Control the opening of the doors LABSOD

Get status of your outside or inner doors or any other openers (windows, vents..) for security, activity tracking or energy saving needs...



ON/OFF state

Door opening

monitoring

OR

I/0

Maintain the cold chain

Ambient T°

Surface T° (remote probe)

Check the temperature of refrigerators and be alerted as soon as a risk of cold chain interruption occures



Senlab Case studies

Protect your servers rooms and critical equipments

Ambient Temperature



T° + Humidity



Be alerted in real time as soon as an anomaly occurs (temperature

Monitor the tanks levels

Follow in real-time the level of your liquid tanks or be alerted as soon as a level reach a low level



4-20 4-20mA mA sensor input

4-20 mA



Smart irrigation

Solenoid valve control



T°+Humidity (soil)

Get real-time info (soil humidity and temperature, rainfall) of your crops or grass (golf, public garden,..) and remotely control the irrigation accordingly



Ambient Temperature



Monitor your greenhouse environment conditions

Ambient T°



T° + Humidity

Precisely control the environment conditions (Soil and air T°, soil and air Humidity) of your cultivation culture



Monitor your indoor animal farm

Precisely control the environment conditions (T° and Humidity) of your indoor animal farm



Senlab Case studies

Ambient T°

T° + Humidity

SENSING Build your own solution... LABSOD

Better than anyone else, you know what are the problems to solve in your business. We're confident that our range of products will allow you to solve this problem. And if not, we will be happy to discuss with you to find the solution



Ambient Temperature



Surface T° (remote probe)

 \bigcirc T° + Humidity



Presence







Solenoid valve control

ON/OFF state monitoring



4-20mA sensor input