# Minimise infections
## through healthy ventilation

energy efficient
$CO_2$ monitoring

# What is it about?

## Minimising infections with $CO_2$ monitoring

Experts are currently warning of the danger of infection in closed rooms. The risk of transmission of flu and corona viruses caused by aerosols are classified as high by studies. The inhalation of microscopic droplets contaminated with the virus lead to infection.

### » PREVENTING, BUT HOW?

A simple option is to get plenty of fresh air through frequent ventilation.

### » BUT

The right balance is important - too little ventilation increases the risk of disease, too much ventilation is harmful to the environment and the wallet.

### » SOLUTION

$CO_2$ measurements in combination with a simple alarm via email or optical display.

This way you will know the right time to ventilate without wasting energy.

# ... and that‘s how it works!

1

*enerHealth Sensors measure $CO_2$ values in the rooms*

## enerHealth Sensor

- for $CO_2$
- temperature
- air humidity
- light intensity
- movement
- power supply via battery
- with INK display
- wireless transmission (LoRa)

2

*enerHealth Controller monitors the $CO_2$ values and alarms via email or traffic light*

## enerHealth Controller

- wireless controller (LoRa)
- alerting by email
- alerting groups
- transfer of data to BMS (MQTT)
- control of the signal lights (optional)

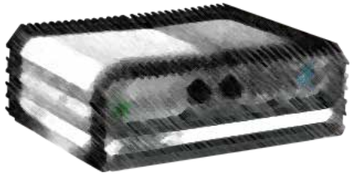
- shock / cross ventilation
- tilt ventilation
- everything is great

3

*enerHealth Signal indicates when it is necessary to ventilate*

## enerHealth Signal

- choice of traffic lights or three colours LED signal light
- wireless control(LoRa)



## enerHealth Storage

- long-term storage
- visualisation of the measured data
- dash board

# The enerHealth FLEX System

## Efficient monitoring of environmental data

The enerHealth FLEX system from ICPDAS-EUROPE combines the monitoring of useful environmental parameters (e.g. $CO_2$) with a careful use of resources.

The recorded data helps to make decisions based on facts, whether automated or manual. Nevertheless, the system remains flexible and easy to use.

### » enerHealth FLEX Basis

The basic system consists of a freely definable number of enerHealth Sensors (max. 60). The sensors measure e.g. $CO_2$, temperature, etc. on site and transmit the data wirelessly (LoRa technology) to the central enerHealth Controller.There the values are monitored and if the values exceed the limit values an email is sent.

### » enerHealth Signal

The enerHealth Signal system is an additional option for the basic system. In addition to the notification via email, three-coloured signal lights can be selected. The exceeding of the limit values is then indicated in colour. The lights are automated and wirelessly controlled by the enerHealth Controller.

### » enerHealth Storage

This extension for the basic system offers a long-term storage of the measured data and a graphical representation of the data (dash board). Customisations are possible.

# Your advantages
## Just order and start working

- Your package is delivered ready to go
- Very easy to use
- Wireless and long range thanks to LoRa technology
- Battery-powered sensor technology - no cables necessary
- Easy to expand at any time
- High cost transparency

**That's how it works**

Just tell us at how many locations you want to measure and how many signal lights are needed. We would be pleased to send you a non-binding offer.

If everything fits for you, you can place your order directly. Everything will be set up and tested by us according to your specifications. So you can get started immediately after receiving your package. You can make extensions yourself at any time or we can do it for you.

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