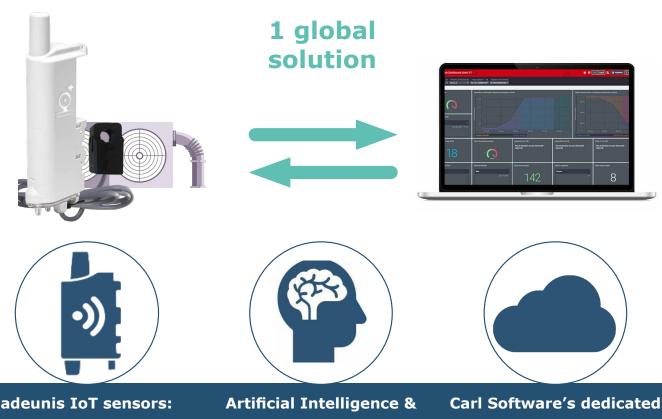


# Supervising and anticipating the maintenance of ventilation systems with ease.



Smart Delta P

Sensor with dedicated firmware embedding mathematical aggregates

#### Edge Computing Allows processing of data

shared between the sensor and the platform Carl Software's dedicated

Processes the data sent back through AI and creates the associated numerical models

### Benefits

- Organization and qualification in advance of the maintenance to be carried out.
- Decrease in intervention costs
- Increase in the life span of the observed equipment

### Highlights

- Adapts to any existing ventilation system (VMC,CTA)
- No configuration on the sensor to perform thanks to the embedded AI
- Identifies normal operating modes, automatically deduces drifts and alert thresholds

## SMART DELTA P



Sensor for monitoring the operation of a Centralised Mechanical Ventilation (CMV) or Air Handling Unit (AHU).



\*Function only available when paired with Carl Source, from Carl Software.

# AGGREGATE OF DATA COLLECTED

The configuration allows you to choose the list of desired aggregates according to your needs:

- Average
- Variance
- · Standard deviation
- Skewness

- · Kurtosis
- Median
- · Gradient (last-first)
- Number of peaks

- · Number of passages per
- · average
- Min and Max

## TECHNICAL SPECIFICATIONS

#### Smart Delta P

- · Periodic or event mode
- 2 digital inputs/outputs
- Fully configurable locally or at a distance
- Operating temperature range: -20°C /+70°C
- Delta pressure: -500/+500Pa
- Accuracy: +/- 25Pa
- · Casing: IP68
- Dimensions: 200 x 63.5 x 34 mm
- Replaceable battery
- Lifetime of several years

- Integrated fastening system: DIN rail, tube, wall, collar
- · Zone: LoRaWAN® EU863-870
- Standards: Directive 2014/53/UE (RED)

#### **Current transducer**

- Operating temperature: -25°C / +60°C
- Fire resistance: UL94-V0
- Precision: +/- 2%
- · Cable 10 mm
- · About 70 cm of cable