



Professional sensors

for **Your** interiors

www.careforair.eu

AIR QUALITY SENSORS

*„For **HEALTHY INDOOR ENVIRONMENT**
and **ENERGY SAVING**“*



Hot news in the **air quality sensors world**



NO_x Sensors



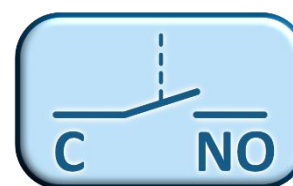
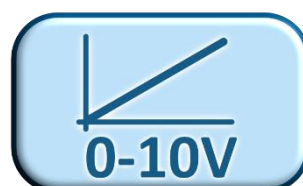
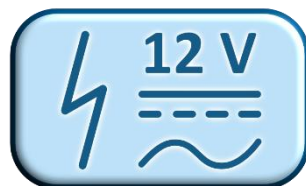
Air Quality Index Levels by the **EPA**

Air Quality Index (AQI)	Level of Concern and Air Quality Condition	NO ₂ Concentration [ppb]	O ₃ Concentration [ppb]	Color Code
0 to 50	Good	0 to 53	0 to 62	Green
51 to 100	Moderate	54 to 100	63 to 124	Yellow
101 to 150	Unhealthy for Sensitive Groups	101 to 360	125 to 164	Orange
151 to 200	Unhealthy	361 to 649	165 to 204	Red
201 to 300	Very unhealthy	650 to 1249	205 to 404	Purple
301 to 500	Hazardous	1250 to 2050	405 to 604	Maroon

NO_x Sensor OL-NOX



Measuring range
0 - 500 AQI



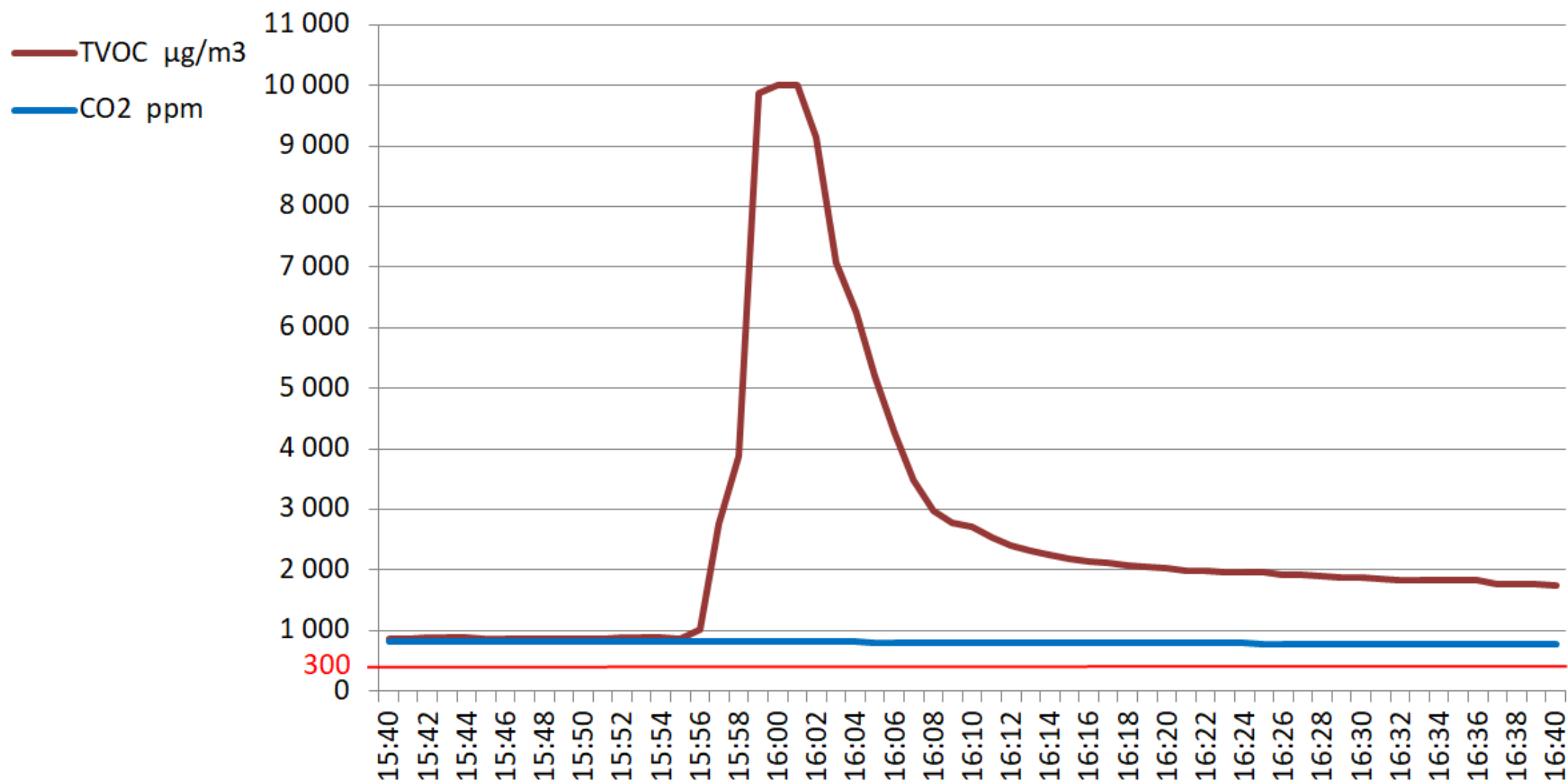


VOC

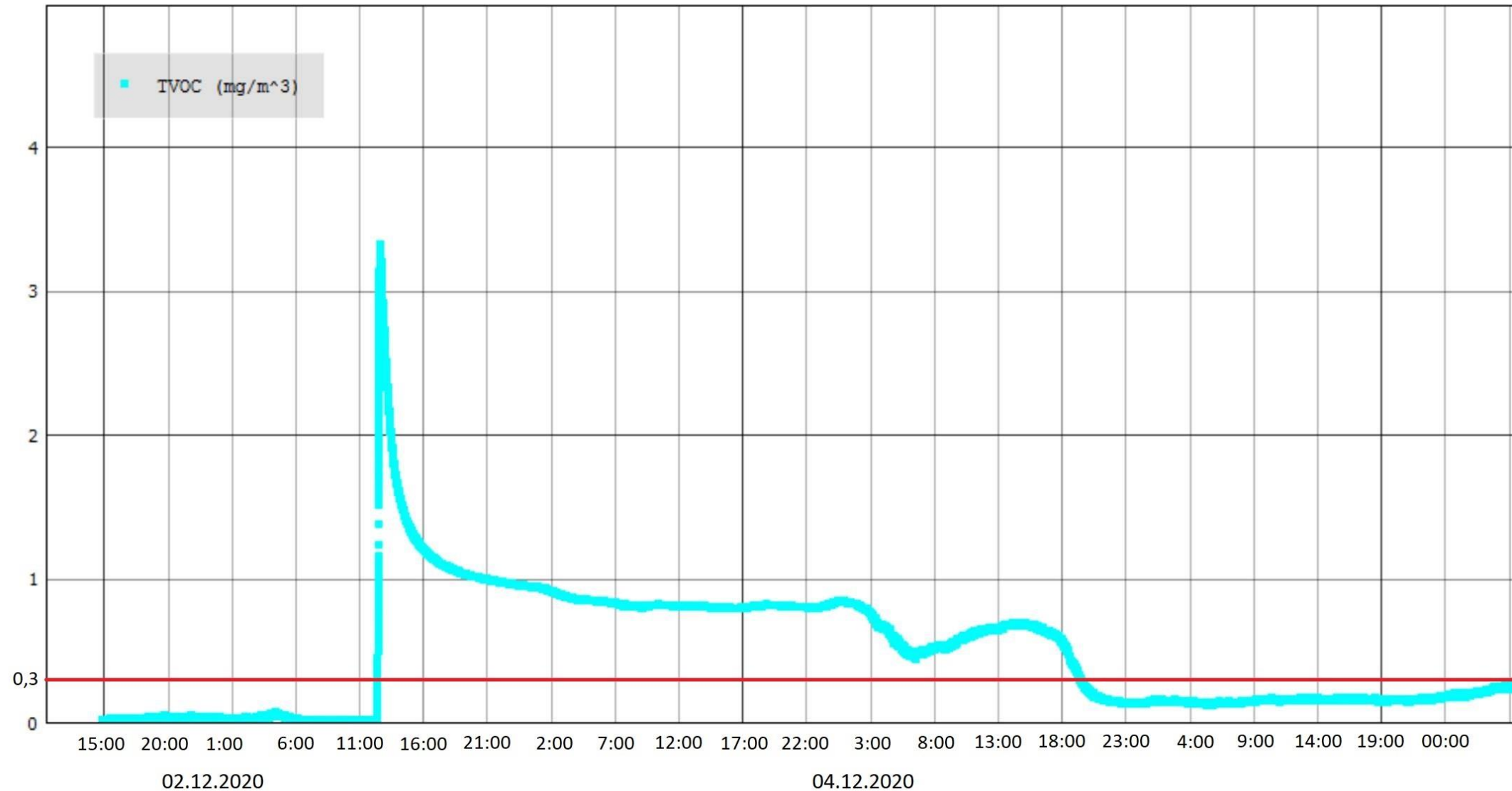
- volatile organic compounds
more than 10 000 types



Detection of fumes from a **hand sanitiser**



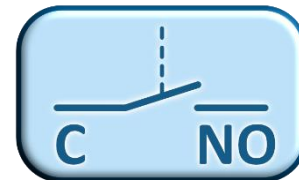
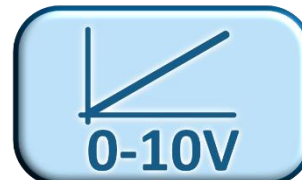
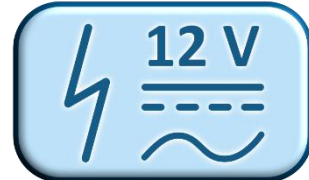
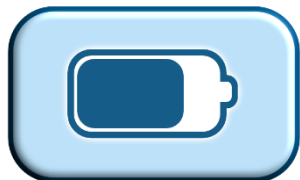
Fumes monitoring – use of hand sanitiser, 5 people



TVOC sensor line **NLII**

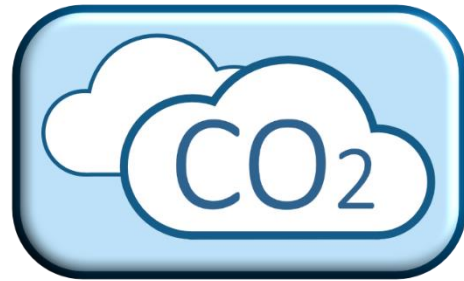
TVOC MEASURING RANGE 0 – 1 000 / 3 000 / 10 000 $\mu\text{g}/\text{m}^3$

Suitable for buildings with
WELL BUILDING STANDARD ✓
TVOC < 500 $\mu\text{g}/\text{m}^3$

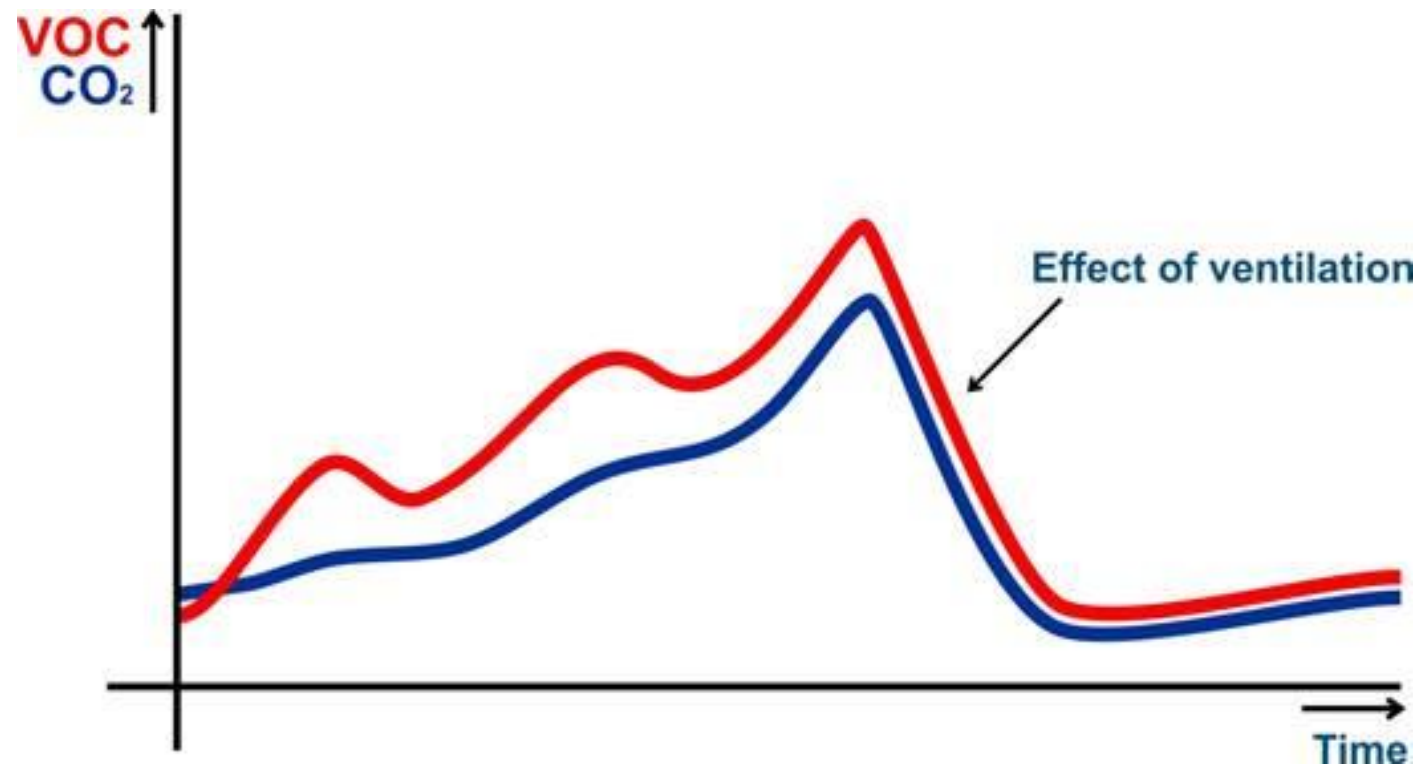


<i>TVOC [mg/m³]</i>	<i>IAQ Rating</i>	<i>Reference level ¹⁾</i>	<i>Air Quality</i>	<i>Quality of Air</i>	<i>Action</i>
< 0.3	<= 1.99	Level 1	Very Good	Clean Air	Not required
0.3-1.0	2.00-2.99	Level 2	Good	Good Air Quality	Ventilation recommended
1.0-3.0	3.00-3.99	Level 3	Medium	Noticeable Comfort Concerns	Ventilation required
3.0-10.0	4.00-4.99	Level 4	Poor	Significant Comfort Issues	Increase ventilation
>10.0	>=5.00	Level 5	Bad	Unacceptable Air	Only if unavoidable for short period

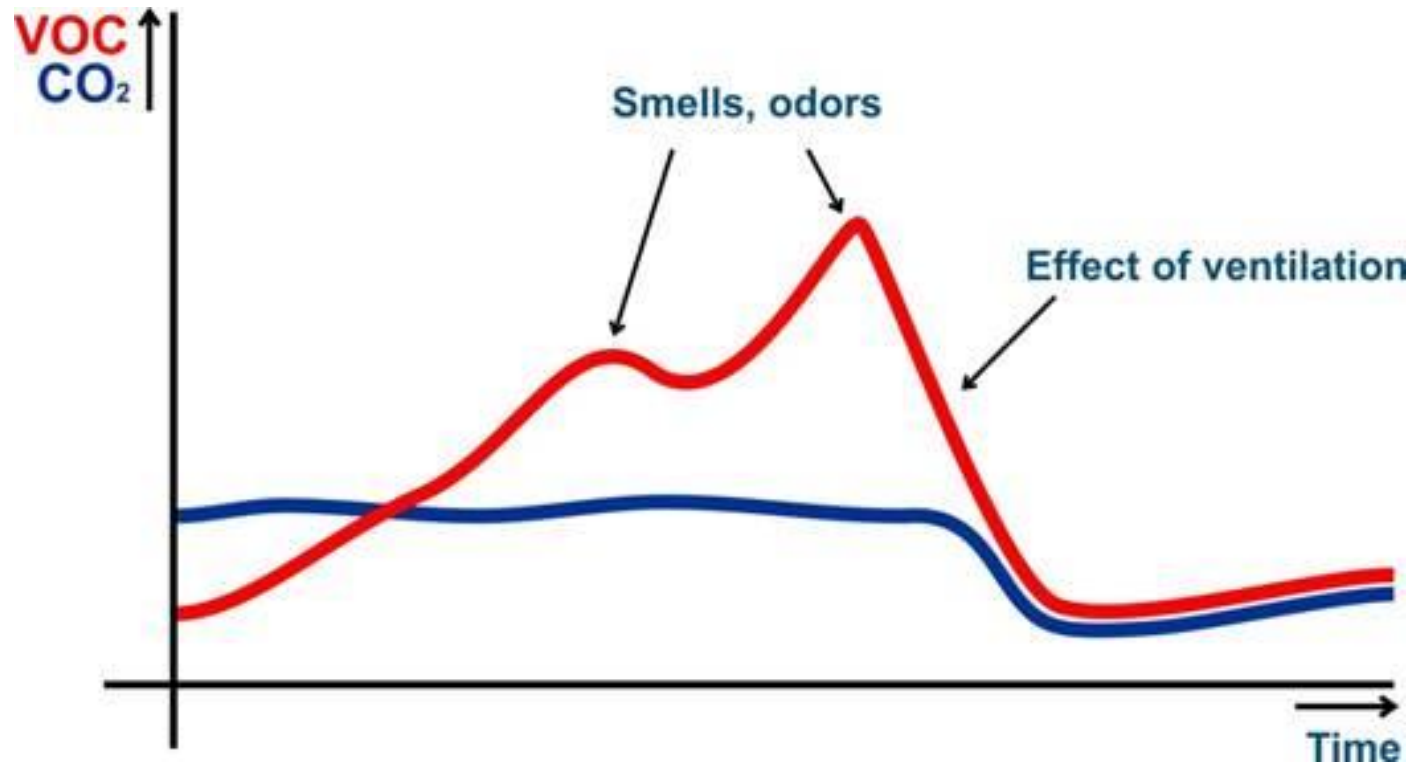
What does **CO₂** and **VOC** have in common?



High concentraciot of (not only) CO_2

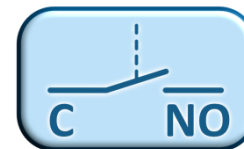
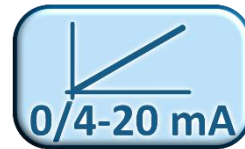
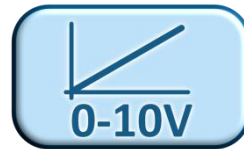
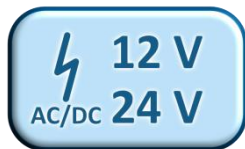


Other prevailing source of pollution



OPTIMAL
SOLUTION!

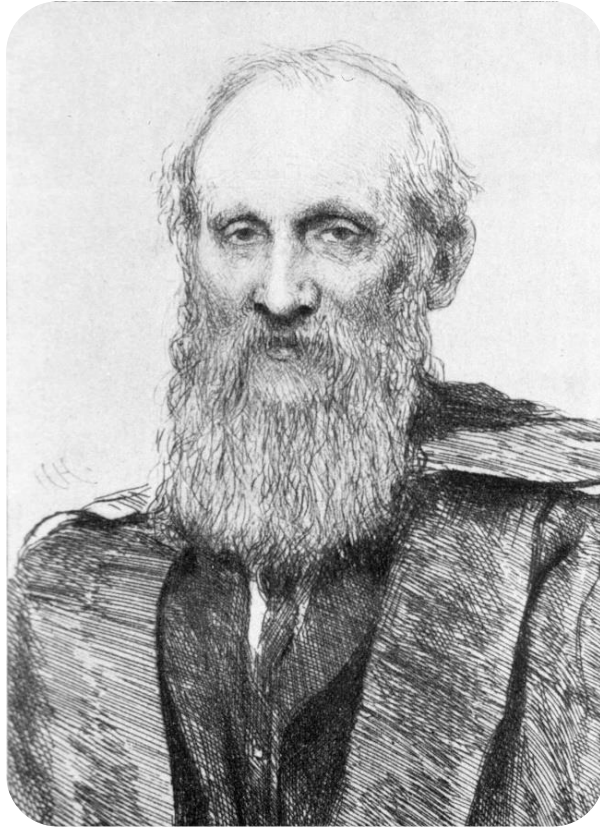
CO₂+TVOC sensor - NLII-CO2+TVOC-IQRF



world standards
TVOC EPA and UBA

Fresh air supports our **IMMUNITY SYSTEM**





*„If you can not **measure** it,
you can not **improve** it.“*

- Lord KELVIN

THANK YOU FOR YOUR ATTENTION

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