



INFORMATIONS

MARKET

- Environment
- Industry
- Smart City
- Air quality

APPLICATIONS

- Environmental Sensors
- Safety sensor
- Air quality study

INTELLECTUAL PROPERTY

- Patent

TRL LEVEL

- Validation of the technology in laboratory environment

1 2 3 4 5 6 7 8 9

PARTNERSHIP

Industrial partner

LABO / RESEARCH INSTITUTION

- ICGM
- CNRS

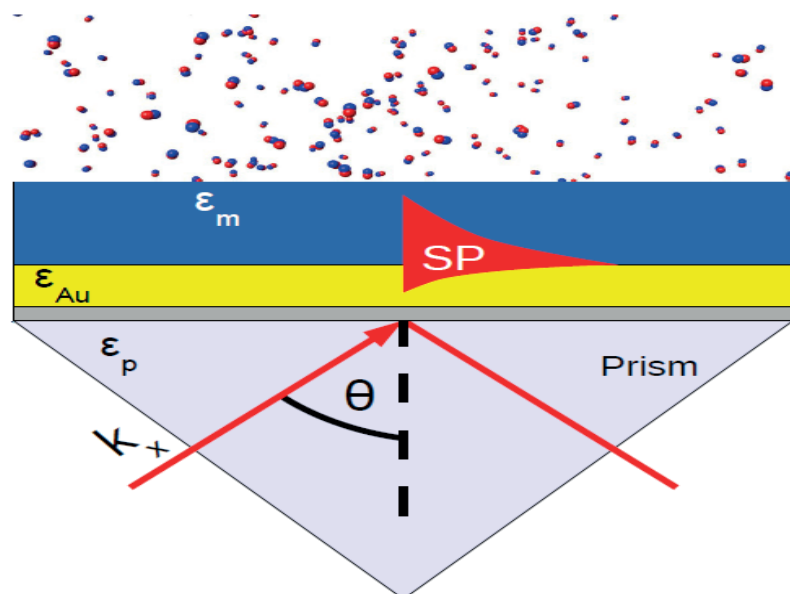
REF. 962

TECHNOLOGY DESCRIPTION

- The technology is a NOx sensor based on Prussian Blue allowing a high sensitivity of measurement. This technology uses the reversible oxidation under NO of Prussian Blue and thus allows to guarantee a strong selectivity with a low sensitivity to moisture.

DEVELOPMENT STAGES

1. Today, a proof of concept has been achieved with detection results below 100 ppm.
2. The objective of the program will be to miniaturize this process and bring the detection threshold below 25 ppm.



COMPETITIVES ADVANTAGES

- - Low sensitivity to humidity
- - Fast response time
- - Easy to miniaturize