



# Multigas Analyzers

Connecting Innovative  
Small & Big Business

29 june 2015



# BLUE INDUSTRY AND SCIENCE

Monitoring instruments for better air  
quality and health

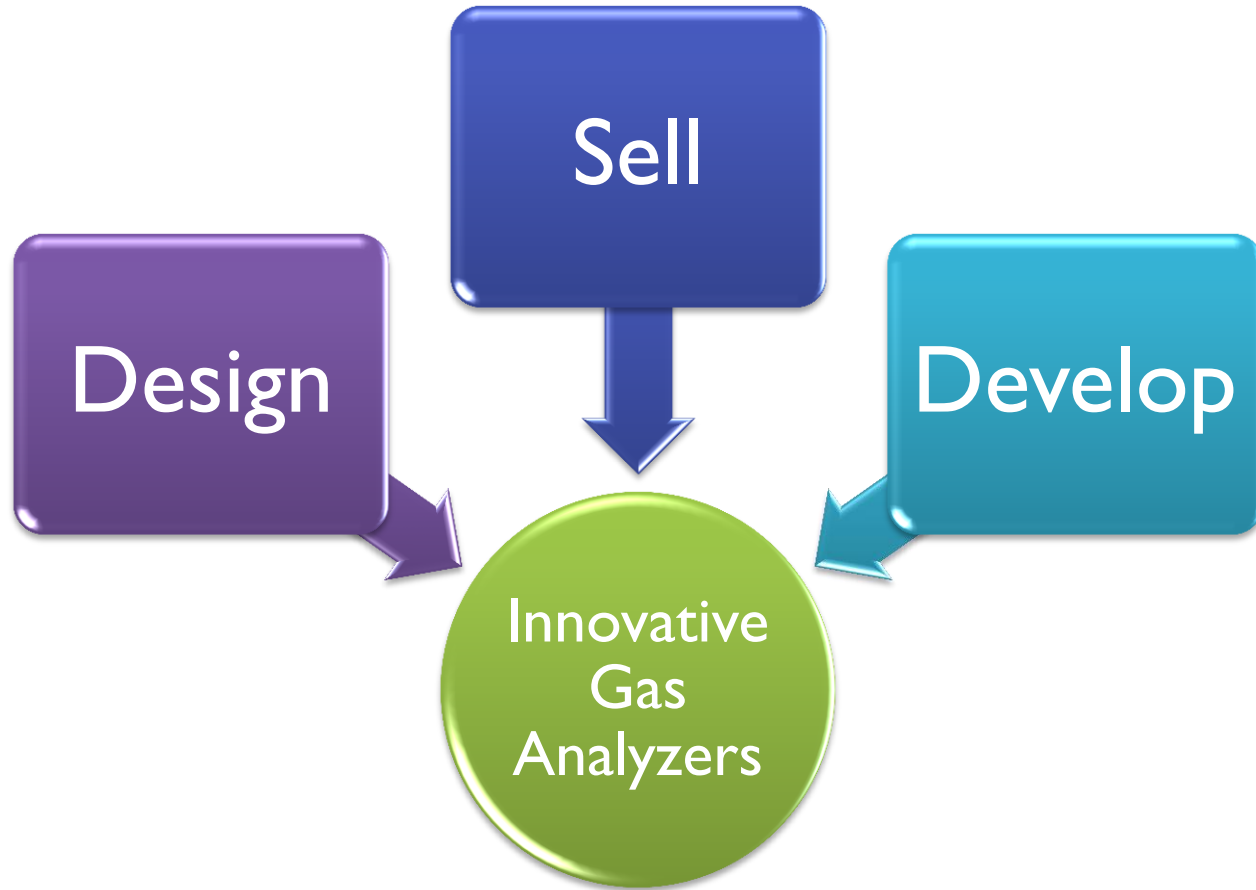


## ABOUT US

- Design, develop and sell a new generation of multigas analyzer
- Created in September 2010
- In-house research team, with multiple collaborations with Onera, CNRS and the University of Stuttgart
- First sales in 2013, first profit end 2013
- Expected sales this year 1,5M€, first exports
- 16 employees
- Based in France, in Saint Denis



# MISSION



## A UNIQUE RESPONSE TO KEY MARKET REQUIREMENTS

Strong market requirement for energy savings and less pollution in industry and the society.

In terms of gas analysis, this translates into:

- Strong demand for true multigas measurement
- at low concentration
- in real time.

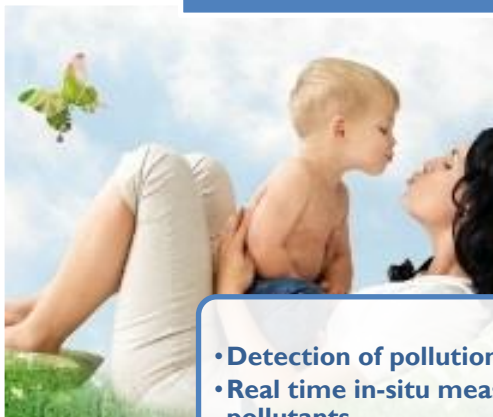


⇒ A clear response: the Blue X-FLR8 analyzer



# ENVIRONMENTAL APPLICATION

## INDOOR AIR QUALITY



- Detection of pollution source
- Real time in-situ measurement harmful pollutants

## HEALTH SECURITY ENVIRONMENT



- Medical monitoring of workers exposed to chemical substances
- Detection of defective process

## Target customer:

- R&D (industries and government agencies)
- Environmental specialists



# PROCESS APPLICATION

Continuous measurements



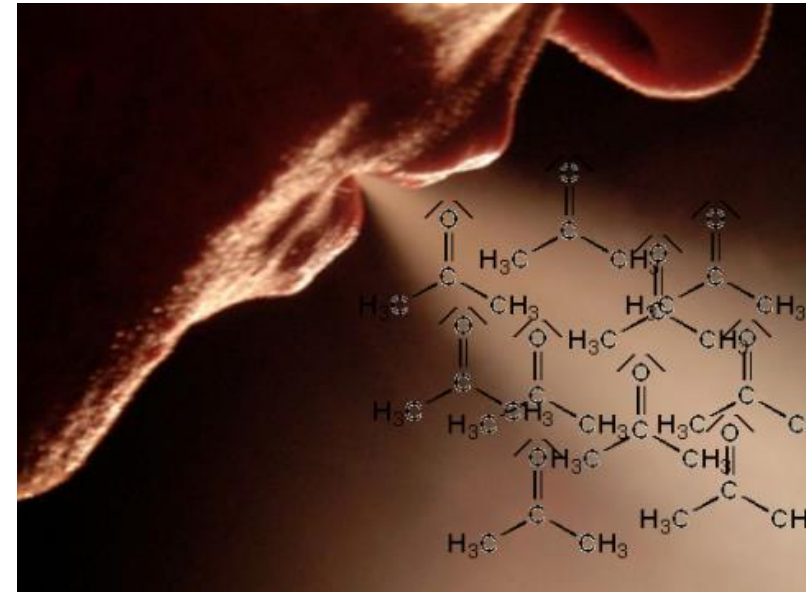
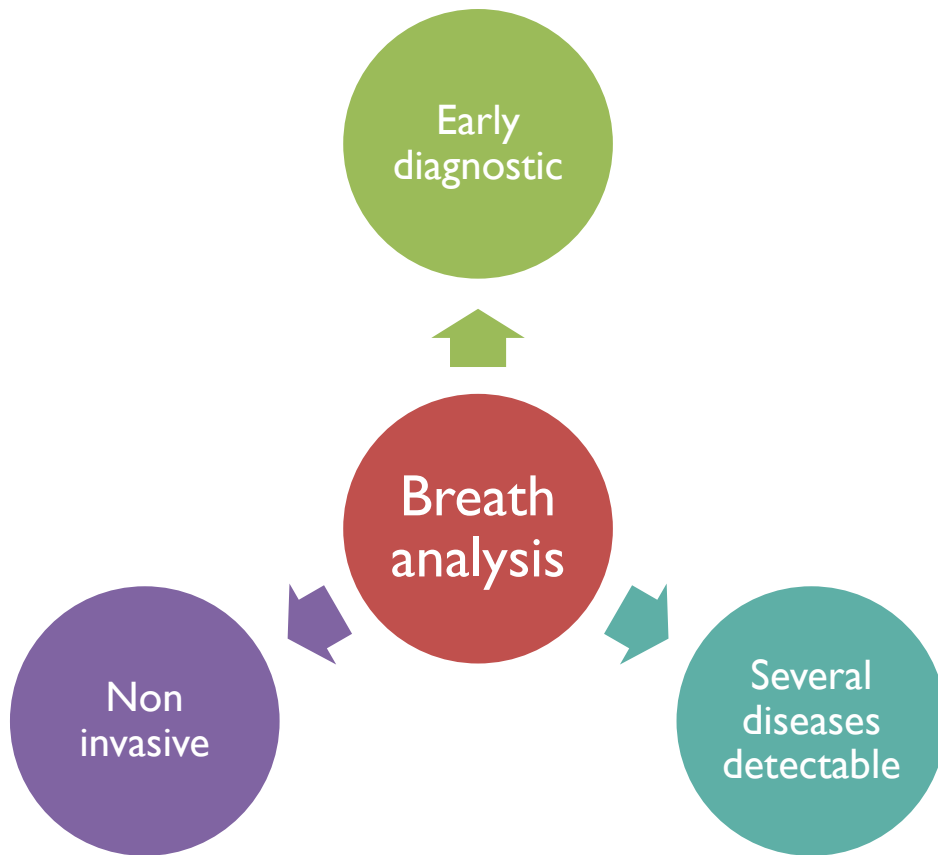
Trace quantification



## Target Industries:

- Oil&Gas
- Chemicals
- Industrial and specialty gases

# OTHER APPLICATION: ANALYSIS OF EXHALED BREATH



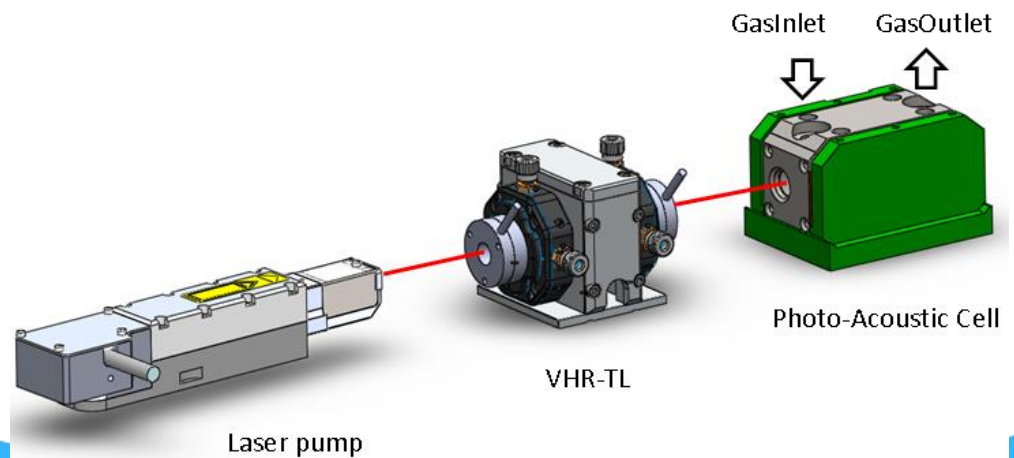
## Target customers:

- R&D
- Hospitals
- Practitioners



# TECHNOLOGY

- Patented VHR-TL technology
  - Large spectrum with a single source (between 3 and 4,2 $\mu\text{m}$ ),
  - Very high resolution (0,01  $\text{cm}^{-1}$ ).
- Coupled with a photo acoustic detection cell
- And an algorithm in signal processing



# BLUE X-FLR8 MULTI-GAS ANALYZER



**Multi-gas**

**High performances**

**Real-time**

**Easy to use**

**Maintenance free**

- Targeted Gases**
- Hydrocarbons
  - Amine
  - Alcohols
  - Esters
  - Chlorides
  - Thiols
  - ...



# CONTACT

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