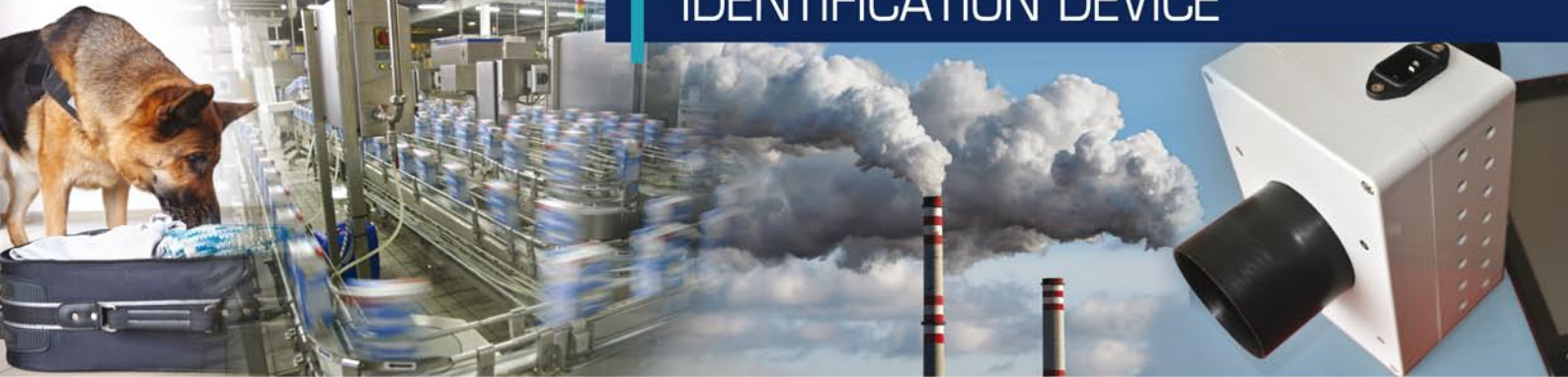


## OLFACTORY DETECTION AND IDENTIFICATION DEVICE



### APPLICATIONS

- DETECTION OF LEAKING FLUIDS OR CHEMICAL SUBSTANCES
- PRODUCT QUALITY CONTROL
- DETECTION OF EXPLOSIVES
- DETECTION OF TOXIC CHEMICAL SUBSTANCES
- DETECTION OF BACTERIA, YEASTS AND MOULDS
- WATER AND AIR QUALITY CONTROL

LEAS HAS DEVELOPED A SMART DEVICE THAT COMBINES ELECTRONIC TECHNOLOGY AND BIOLOGICAL CHARACTERISTICS IN ORDER TO IDENTIFY SPECIFIC OLFACATORY SUBSTANCES.

THIS INNOVATIVE SOLUTION CAN BE USED TO DETECT HAZARDOUS SUBSTANCES OR OLFACATORY ANOMALIES IN ORDER TO ENSURE OPTIMAL SAFETY IN INDUSTRIAL, DEFENCE AND HEALTHCARE SETTINGS.

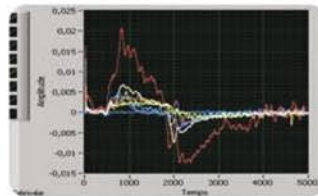


- DETECTION SYSTEM USING SENSORS THAT EXPRESS AN OLFACTORY SPECTRUM
- ANALYSIS METHOD BASED ON FUZZY LOGIC ALGORITHMS
- IDENTIFICATION OF DIFFERENT TYPES OF OLFACTORY SUBSTANCE
- MANAGEMENT AND CUSTOMISATION OF SETTINGS USING SUPERVISION SOFTWARE
- SMART SYSTEM FOR RECOGNISING AND LEARNING NEW ODOURS
- AUTOMATIC STORAGE OF EVENTS, ARCHIVING AND DATA ANALYSIS

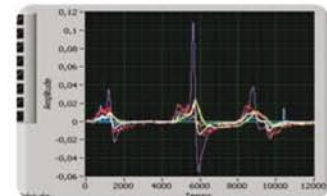


## ELECTRONIC DETECTION OF OLFACTORY ANOMALIES

RESULTS FOR DRINKING WATER



RESULTS FOR CONTAMINATED WATER



The electronic readings from the olfactory sensor are used to analyse and detect variations in physical parameters that indicate an anomaly with regard to the substance being monitored.

The graph shows that the water characteristics are modified. This is confirmed by an analysis indicating bacterial contamination, rendering the water unfit to drink.

This detection can be carried out on solids, liquids and gases.

