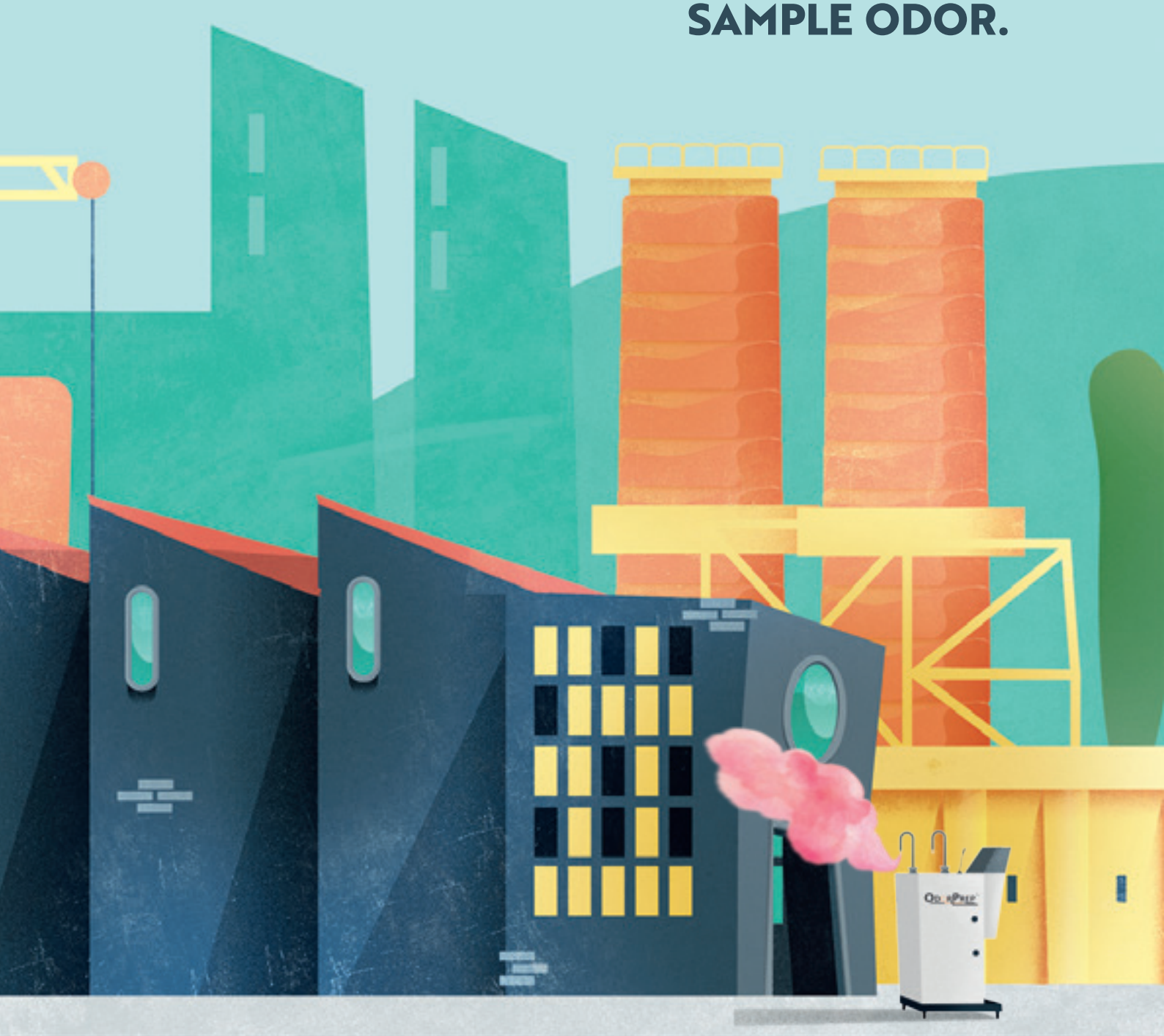
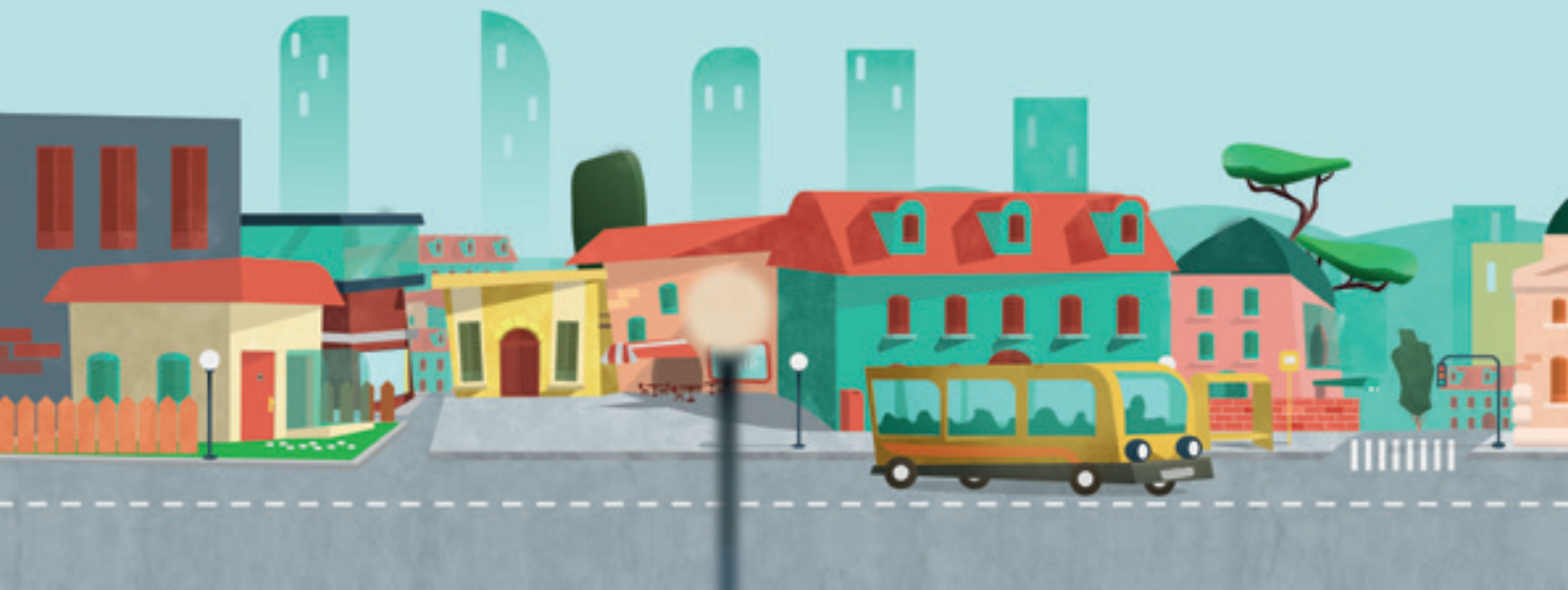
CITIZEN SCIENCE AND MULTISENSOR TECHNOLOGY TO SAMPLE ODOR.



OdorPrep®
Automated Odor Emission Sampler

ODOROUS POLLUTION

A recognized problem



Odour is a form of atmospheric pollution that can cause significant discomfort to people.

Industrial activities, purification systems, landfill sites, waste treatment, farms, agriculture and food industries: these are all sources of odour that risks making difficult the presence of production activities in populated area, creating worries and complaints.

Unfortunately, odour is a complex issue to manage, because of the difficulty for operators to verify the real presence of odour incidents at the moment of inspections and to detect the actual source of emission.

For this reason, it is necessary to perform a timely, objective and documented assessment of the air, in order to allow authorities to intervene for removing the problem.

IT IS NECESSARY TO PERFORM A TIMELY, OBJECTIVE AND DOCUMENTED ASSESSMENT OF THE AIR.

THE SOLUTION: ODORPREP

Air of innovation

ODORPREP IS THE ON-DEMAND SYSTEM FOR MONITORING AND SAMPLING AIR.
THE SYSTEM COMPRISES A MOBILE APP THAT ALLOWS REPORTING THE OLFACTIVE TROUBLES IN REAL TIME, AN ON-LINE PLATFORM THAT GATHERS THE INDICATIONS AND VERIFIES THEIR

ODORPREP IS THE ON-DEMAND SYSTEM FOR MONITORING AND SAMPLING AIR.

APPLICATIONS

At the service of citizens and companies.

FOR INSTITUTIONS

How it works

OdorPrep is installed in the urban areas to be monitored and provides a measurement in real time of odour.

The system collects the incidents reported by citizens via app and activates the air sampling through the detection system. In this way, authorities can intervene to eliminate the problem in a timely manner.

The cooperation between citizens and institutions, through the use of an innovative technology as OdorPrep represents a positive system to ensure the healthiness of air, to protect the quality of living condition and the psycho-physical wellbeing of citizens.

View our video

THE CITIZENS REPORT THE PRESENCE OF AN OLFACTIVE INCIDENT VIA THE MOBILE APP.

THE REPORT IS GATHERED INTO AN IT PLATFORM THAT VERIFIES ITS RELIABILITY (ORIGIN, USER'S DATA, FREQUENCY OF REPORTS, ETC.). THE PLATFORM ALERTS THE SYSTEM MANAGER.

THE MANAGER ACTIVATES THE SAMPLING OF THE AIR. THE AIR IS CAPTURED INTO A BAG. THE SAMPLE OF THE AIR IS COLLECTED BY TECHNICIANS AND BROUGHT TO A SPECIALIZED LABORATORY.

THE LABORATORY TECHNICIANS PERFORM THE DYNAMIC OLFACTOMETRIC ANALYSIS.

Ph. source: thanks to Olfasense.

THE CONTROL AUTHORITIES, BASED ON ACTUAL RESULTS, INTERVENE TO SORT THE PROBLEMS OUT.

FOR COMPANIES

View success story

To keep the odorous emissions under control, companies can install OdorPrep inside their plant or close to critical processes.

When the electronic nose detects an excess over the threshold values, the sampling begins.
The sample is collected by the technicians and brought to a specialized laboratory for the olfactometric analysis.

In this way, companies can constantly monitor the odorous trends to detect the critical processes that cause odours and adopt all the measures to contain emissions.

DETECTION SYSTEM

A champion of technology.

The system is provided with highly sensitive ancillary sensors that measure in real time the presence of odorous substances contained in the air.

The electronic nose simulates the behaviour of the human nose: it records the variations of signal and measure odours through statistical analysis.

The sampling of the air, both short and long term, takes place into inert bags (Nalophan) via remote control.

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www.odorprep.eu

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