

# AIR QUALITY

KEY INFO IN

**10**  
POINTS



# 1

## ▶ LEADING CAUSE FOR CONCERN

Air quality is the leading environmental concern for 42% of French people, followed by climate change (34%) and natural disasters (30%) (French government figures, 2014). Thirty percent of the French population has a respiratory allergy. (French air quality association RNSA)

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# 2

## ▶ A LARGE AIR MONITORING NETWORK

France has 27 approved air quality monitoring associations (AASQAs), organized under the umbrella of the ATMO France federation. There are 800 outside air quality monitoring stations in France. Quality indices are calculated daily in 140 French towns and cities for four different pollutants. (Géovariances)

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# 3

## ▶ COMMITTED STAKEHOLDERS

A number of different stakeholders are involved in measuring air quality, including ADEME, the French central air quality monitoring laboratory, AIRPARIF, the Interprofessional Technical Centre for Studies on Air Pollution, the PREV'AIR platform, FIMEA, and the National Competence Centre for Industrial Safety and Environmental Protection.

# 4

## ▶ INSPIRED STARTUPS

Paris-based Plume Lab has developed the Plume Air Report app, which provides users with information on air quality around the world. Based in Grenoble, eLichens offers super-localized customized air quality solutions through a digital marker.

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# 5

## ▶ A WORLD FIRST

Using digital modeling, ARIA Technologies has developed a simulation system – the first of its kind in the world – enabling users to visualize air pollution across very large cities at a resolution of just a few meters.

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# 6

## ▶ CLEANER AIR IN PARIS

In May 2017, Paris launched an experiment to decontaminate the air using microalgae embedded in an advertising column to recover carbon dioxide. Led by SUEZ in partnership with Gironde-based startup Fermentalg, this project trialed in Paris may now be developed on a larger scale in the French capital.

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# 7

## ▶ CRIT'AIR QUALITY CERTIFICATION

The Crit'Air certification system introduced in 2016 identifies the most environmentally friendly vehicles on French roads through stickers displaying the vehicle's air pollution emissions category. Cleaner vehicles may then be given priority during traffic restrictions.

# 8

## ▶ IMPROVING INDOOR AIR QUALITY

The *Trophées Bâtiment Santé Innovations* initiative awards innovation in sustainable building, and in 2017 recognized projects to improve indoor air quality (IAQ). Winners included In'Air Solutions for its formaldehyde analyzer, CIAT and its Epure Dynamics solution measuring IAQ requirements, and Octopus Lab for a software program that simulates IAQ in existing or planned buildings.

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# 9

## ▶ FRENCH COMPANIES WORKING OVERSEAS

Many French companies in the air purification sector are exporting their expertise to other countries. Examples include analysis and measurement instrument company Environnement SA, industrial ventilation company Delta Neu, as well as Cairpol, NUMTECH, CITEPA, Ecomesure, Servithen, and Alpha MOS.

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# 10

## ▶ BREATHING 'LA FRENCH TECH'

Indian company Oizom Instruments develops connected devices and an air quality monitoring analytics platform. It is one of 70 companies to be awarded a 'French Tech Ticket' in the program's second season.



For further information, please visit:  
[www.businessfrance.fr](http://www.businessfrance.fr)





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# #3 PRODUCER OF RENEWABLE ENERGIES IN EUROPE



(EUROSTAT)

# -22.5 Mt

CO<sub>2</sub>EQ FALL IN EMISSIONS  
DUE TO RECYCLING



(FEDEREC ; ADEME, 2017)



800

**OUTSIDE  
AIR QUALITY  
MONITORING  
STATIONS  
IN FRANCE**

(ATMO FRANCE)

**AIR QUALITY**



**IS THE #1  
ENVIRONMENTAL CONCERN  
FOR 42% OF FRENCH PEOPLE**

(FRENCH GOVERNMENT FIGURES, 2014)