

Consulting



#4

# OUR CHALLENGE

Making city air  
purer to protect  
health



**It is a sunny autumn day in 2030** and Simon is enjoying the last rays of sunlight before the winter to take a walk around the beautiful city of Dunkirk, where he grew up.

To his great delight, he and his family are walking around a city in which air pollution has disappeared! But that wasn't always the case. He remembers walks ten years ago, back in 2020, when Dunkirk breached air pollution levels over 30 days a year. Back then, over 90% of citizens lived in urban areas with polluted air that was potentially a threat to their health.

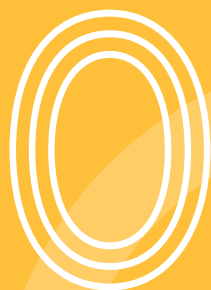


For Simon and all the other inhabitants of Dunkirk, the transformation project launched in 2020 was a real success: now, there is not a single peak pollution day. The solutions introduced have provided a better quality of life for local inhabitants and significantly improved their health and wellbeing.



**Discover how this transformation began, back in 2020...**

# GOAL



peak pollution  
**days**  
by **2030**



**and purer air for  
253,000 inhabitants\***

*\*200,000 inhabitants of Dunkirk urban community and 53,000 inhabitants of Hauts-de-Flandre federation of municipalities.*

- ⇒ Alongside Dunkirk urban community, SUEZ teams are working with local industrials, associations and health organisations, as well as citizens, to build a comprehensive solution to significantly reduce air pollution. The goal is ambitious: **to bring the number of days per year that the city breaches air pollution levels down from 30 to 0 by 2027**, whilst maintaining and developing local industries.
- ⇒ A common desire to transform the region unites economic, academic and institutional players: **to make local inhabitants' quality of life a priority and transform Dunkirk into a region where it feels good to breathe.**



# SOLUTION

- ⇒ To **INNOVATE** and **WORK** together on this joint project through regional symbiosis between urban, industrial and maritime players. These synergies embody **a new generation of industrial ecology that protects the environment and air quality** and will offer a better quality of life to inhabitants.
- ⇒ To achieve this, the region has introduced innovative regional dialogue between the different players and switched from a means-based approach to a performance obligation. Two actions were devised: one focusing on **digital tools for decision-making** and the other on implementation of **operational solutions for treating and recovering pollutant emissions**. A local health observatory complements these actions by establishing links between different types of pollution and their impact on health.

# DID YOU KNOW?



THE DUNKIRK AREA IS PARTICULARLY CO<sub>2</sub> EMITTING DUE TO ITS DYNAMIC LOCAL INDUSTRIES



3RD LARGEST PORT IN FRANCE



WORLDWIDE, 9 PEOPLE OUT OF 10 BREATHE POLLUTED AIR

33

PEAK POLLUTION DAYS IN 2018



THE DUNKIRK REGION WAS ONE OF 24 WINNERS IN THE "TERRITOIRES D'INNOVATION" ACTION



**And you,  
how do you imagine  
tomorrow's cities?**



**Find out all our innovations  
for tomorrow's cities on [suez.com](https://www.suez.com)**