



Purenat

The sustainable alternative to
activated carbon filters

Purenat solution

Benefits health, comfort, savings, ecology



High-performance self-cleaning filter media

- > Destroy organic pollutants at source:
VOCs, solvents, odors, bacteria, viruses (including COVID)
- > **Constant, guaranteed pollution control:** no clogging and maximized pollutant content
- > Safe : **no release** of hazardous by-products



Sustainable and low-carbon

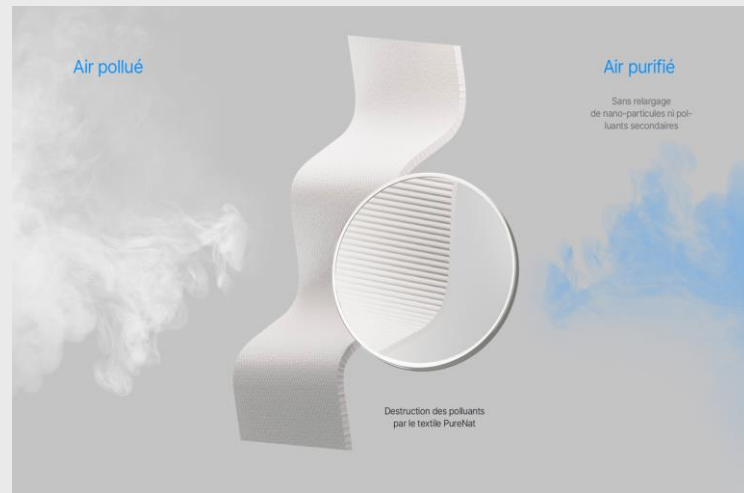
- > Doesn't clog up : **lifespan up to 5 years** (50.000hrs)
- > **Energy savings** : low pressure drop: up to 10 Pa
- > **Reduces the amount of waste** associated with filter replacement
- > **Avoided carbon emissions**



Adaptable to any air-treatment system

- > **Adjustable** to your specifications: analyse de vos besoins techniques
- > Adaptable to your system: **customized dimensioning**
- > Technology enabling the design of **miniaturized, lighter, more aesthetic and more ergonomic air handling systems**

A molecular and microbiologic filter which destroys pollutants at source rather than just storing them



**“Protecting people's health and well-being by innovating
to clean up our environments with commitment and
responsibility.”**

About

Indoor air quality: a public health issue

4th Cause of death worldwide

7x More death than road accidents in France

10x More pollution indoors

80% Of our time spent indoors



Current solutions are incomplete and energy-consuming



**WHICH
ALTERNATIVE ?**

Increase energy consumption

Can exacerbate the problem

Require heavy and costly maintenance

Increase carbon impact

Generate waste and by-products

A patented disruptive technology

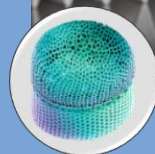
The innovative biomimetic material developed by Natacha Kinadjian Caplat takes the form of a fiber, which is then transformed into a textile using the non-woven process. The composition of this fiber contains an active depolluting agent (photocatalytic agent) that destroys organic pollutants.

This is the first time that a fiber and then a filter incorporate in its composition such an active agent, rather than simply be coated with it.



Natacha Kinadjian Caplat
President and Founder

PhD in Materials Chemistry
Indoor Air Quality Expert (exp 12 years)

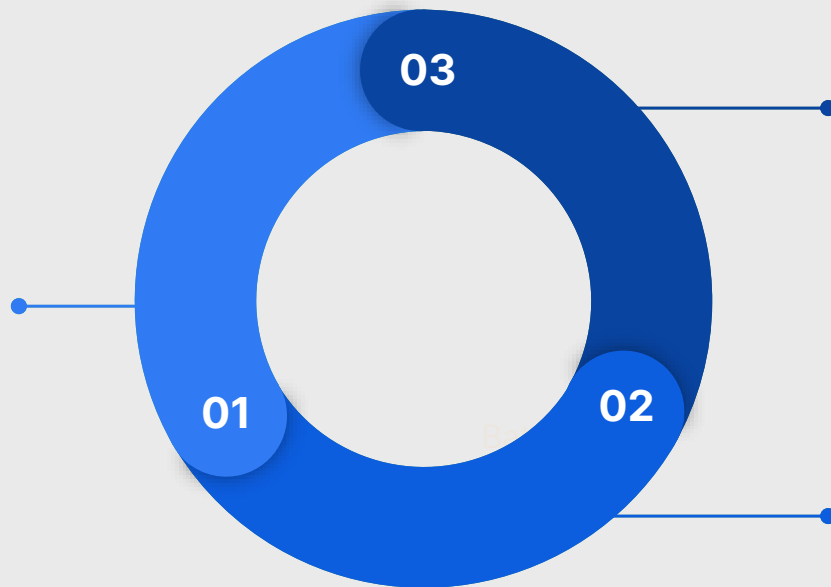


Three-dimensional structure imitating the cells of diatoms (marine algae)

A complete offer

Personalized pre-study

Analysis of how your system works and the conditions under which it is used in order to define a unique tailor-made solution that fits your needs.



Sale of tailor-made active textiles

Purenat active textiles (media) are semi-finished products sold in roll form and designed to adapt perfectly to your equipment. They are also adjustable to your specifications, guaranteeing optimum integration into your process.

Personalized recommendations

Integration of the customized solution to provide you with a performance report on your Purenat technology pollutant abatement unit.

Purenat in a few words...

- Industrial deeptech startup founded in 2020
- Two founders supported by a team of 6
- 1 patent in 2022
- 1st fundraising round (€1.1M) in 2023 to recruit, complete the industrial scale-up and start commercial launch
- A Social and Solidarity Economy company

NATACHA KINADJIAN CAPLAT

President and founder

PhD in Materials Chemistry
Indoor Air Quality Expert (exp 12 years)



MANON VAILLANT

CEO

Biotechnology engineer
Specialized in Strategic Marketing (exp 12 years)
Certified Professional Coach (Coach&Team)



Christophe Saint Martin

Industrial Director

Mechanical engineering, specializing in the design and manufacture of special-purpose machines for all applications (exp 22 years)

Contact us

By email: contact@pure-nat.com

By phone : +33(0) 5 59 01 11 64

On LinkedIn : Purenat

Visit the website : www.pure-nat.com



Purenat

They supports us

