



Business line: Air treatment
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Location : Anglet



Team



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Problem

Indoor air pollution kills every year more than 4 millions people worldwide and 20 000 people in France. Moreover, it was demonstrated that the current solutions, especially the **air purifiers, do not purify the air in a satisfying manner:**

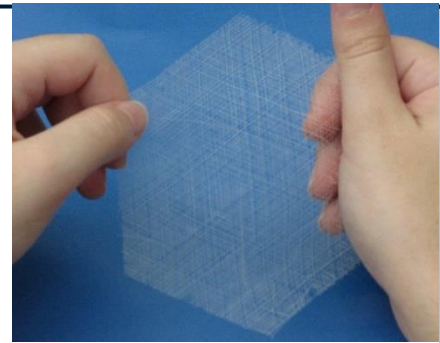
- Their performances are **not proved in real conditions,**
- They stock and **do not destruct the pollutants and viruses,**
- Their shape (metallic columns) **are not adaptable to the building utilization** (ex: they could be dangerous for the children if placed in the middle of a day care centre),
- The environmental impact of these solutions is dramatic (**massive waste generation**).



Product

PureNat will offer a global « **Heathy Air service** », including the realization of indoor air quality audit, simulations of several solutions, and the installation of new air purifying systems.

These new air purifying systems are developed using a **fiber able to destruct all the organic pollutants and viruses.** Thanks to this fiber, the air purifying systems are **efficient in real conditions, environmentally friendly** thanks to the high fiber lifetime, and **adaptable to everyday life object.**

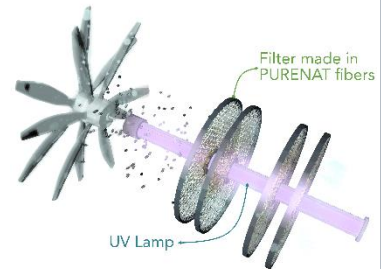


Technology

Thanks to UV light, PureNat's fiber is able to destruct all the organic pollutants and viruses **transforming them into carbon dioxide and water** by imitating the **photosynthesis** process.

Their **porous structure** based on a microscopic algae, called diatomee, allow them to manufacture **filters twice as performant as commercial filters.** Unlike commercial filter made of glass fibers, PureNat's fiber is **flexible** so it can be shaped on demand.

Air purification by destruction of pollutants and viruses



Market

PureNat's clients are :

- Manufacturers of home furnishing product (acoustic correctors, luminaire,...) or air purifiers.
- Building manager, especially the ones subject to regulation like day care centres, schools, or healthcare institution.

