



# SQUAIRTECH

Sorbents for air quality

## Deck

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Created in 2021, SquairTech develops **cutting edge materials to solve air quality issues**

Venture based on **4+ years of R&D with 2 top labs**

ESPCI PARIS | PSL

ENS | PSL

ENSI  
CAEN  
ÉCOLE PUBLIQUE D'INGÉNIEURS  
CENTRE DE RECHERCHE

**Winner i-Lab 2021**

concours d'innovation  
**i-Lab**

Protection of the **brand SquairTech**

**Strong impact** : a better air quality

for everyone and the environment

Team of 11 w/ **complete range of expertise** from  
materials science to air quality business

**They support us**



**bpifrance**

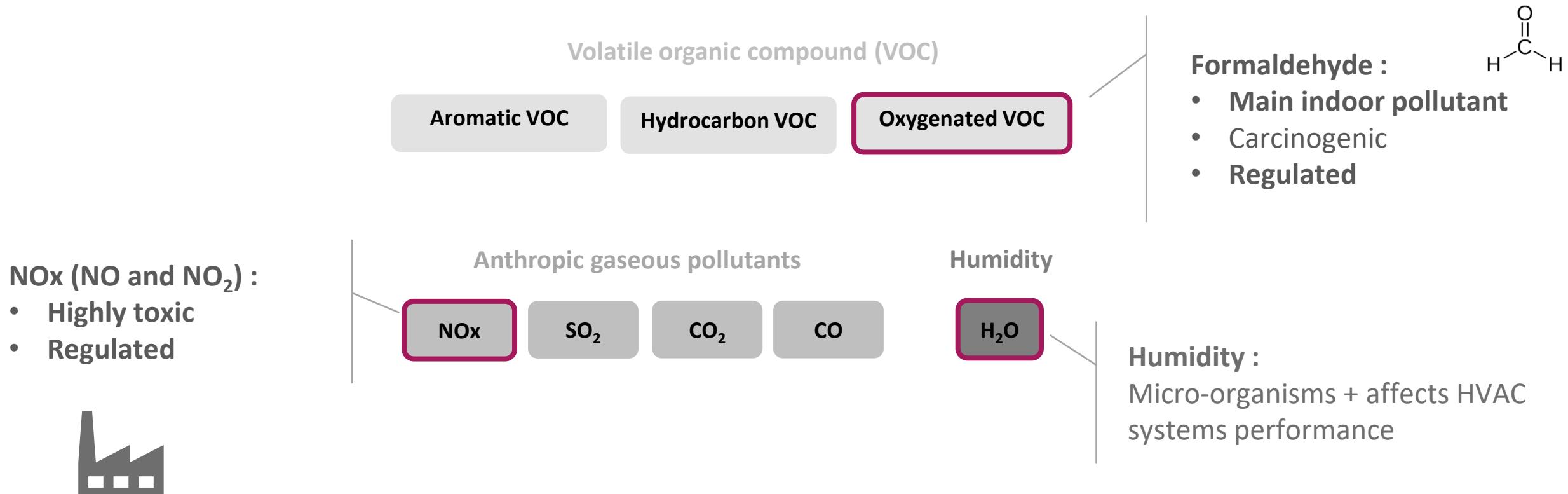


**2 exclusive patent rights**

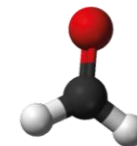
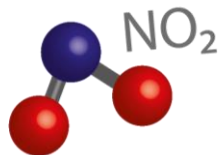
**Outdoor**  
Anthropic pollutants

**Indoor**  
VOC + Humidity + anthropic pollutants

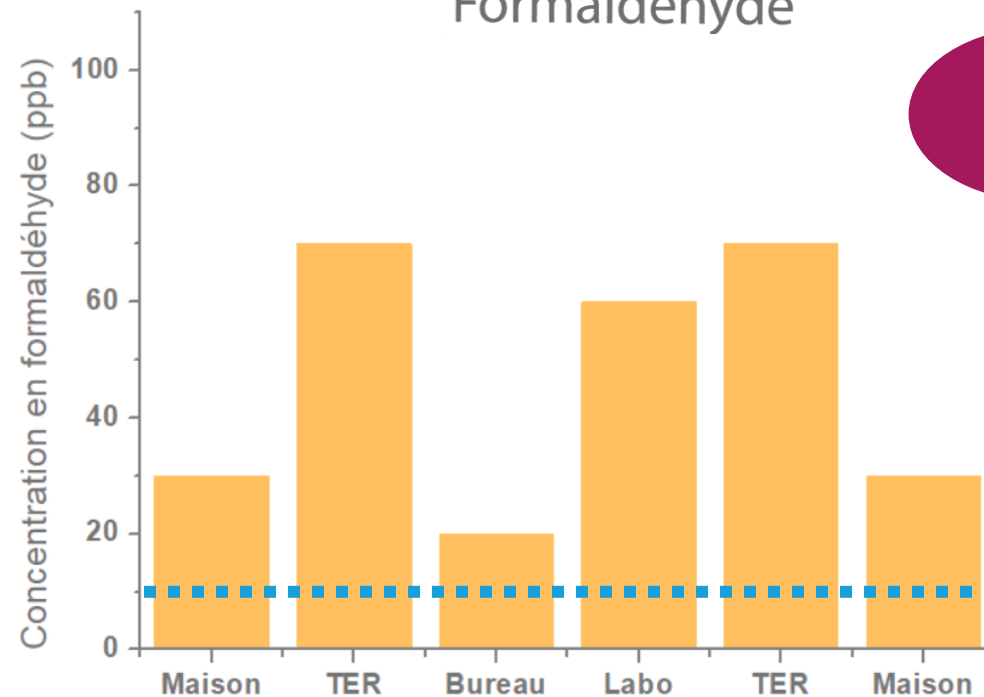
***Air pollution = Millions of premature deaths + high cost for industries !***



# NOx and formaldehyde concentrations



Formaldehyde



Indoor  
time =  
90%



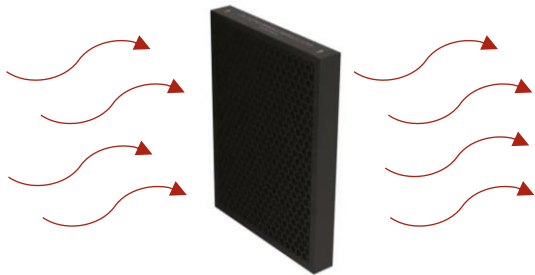
***NOx and formaldehyde concentration exceed regulations***



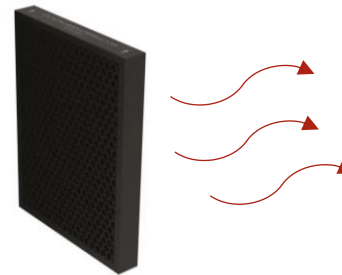
- ✓ Used in > 99.9% of filtration systems
- ✓ AC for air filtration = 1.4 B\$ market with a 7% CAGR

*Not efficient on NO<sub>x</sub> nor formaldehyde*

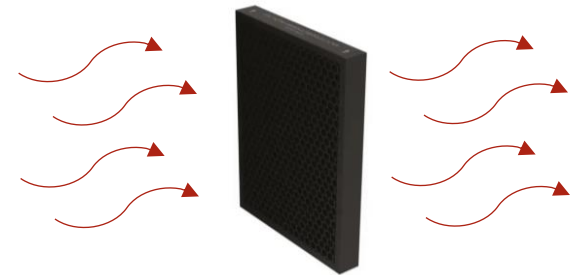
## Low filtration efficiency



## Reemission under standard condition use



## Short operational lifetime



## Direction

M. Muschi  
PhD, *CEO*



N. Sadovnik  
PhD, *CTO*

## Scientific advisory board :



C. Serre  
*CNRS Research director*

## Business



P. Guitton  
*Business  
dev Europe*



F. Yeh  
*Business  
dev Asia*



*Sales*

## R&D



I. Telegeiev  
PhD,  
*R&D filtration*



M. Renouard  
PhD,  
*R&D materials*



I. Dansette  
*PhD student*

## Production



N. Royer  
*Lead IT,  
automatisation  
process*



*Supply chain*

## Legal & IP

*Subcontract.*



M. Daturi  
Professor



F. Nouar  
CNRS Eng. researcher

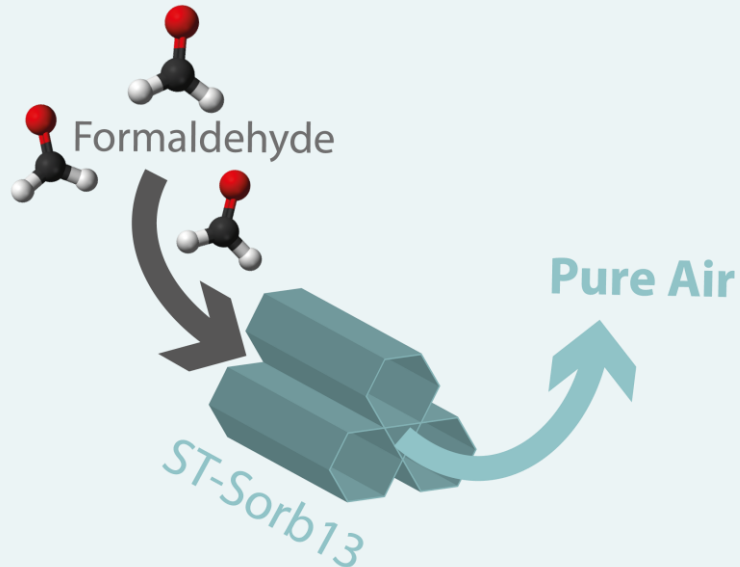


 To be recruited in 2024



## Our solutions : Disruptive materials for air quality

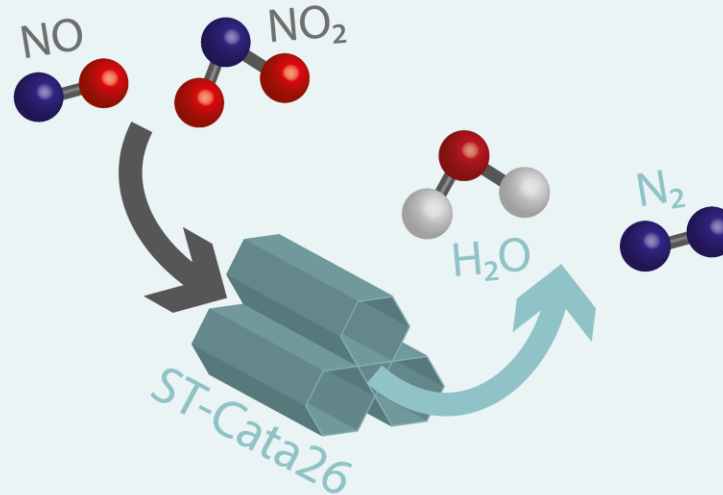
**ST-Sorb13 = Efficient and fast formaldehyde filtration**



**No reemission + high selectivity +  
Multi-year operational lifetime**

*Patented*

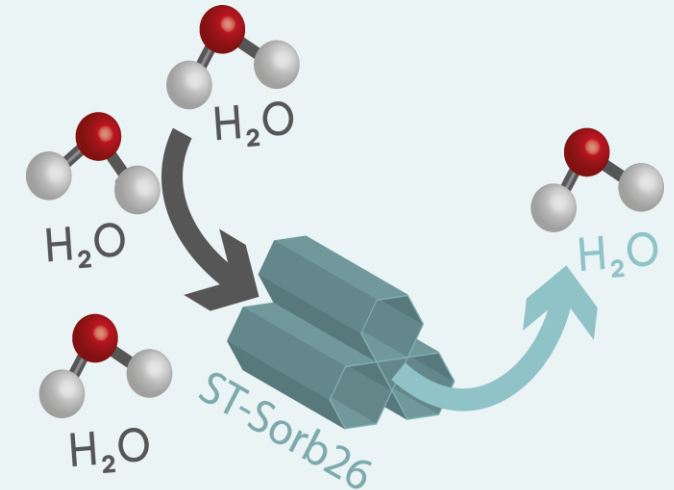
**ST-Cata26 = The only tech for NOx catalysis at room temperature**



**No by-products + No reemission + high  
selectivity**

*Patented*

**ST-Sorb26 = Humidity control & energy-saving**



**Accurate humidity control + 30%  
energy-saving in AC systems**

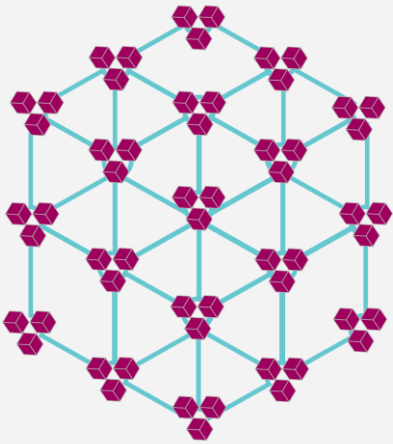
*Patent pending*





# Our solutions : Disruptive materials for air quality

Our products = MOFs (Metal-Organic Framework)



Porous

+

Tunable (properties & shape)

+

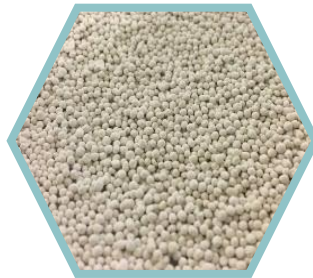
Can target a wide range of  
gases and vapors



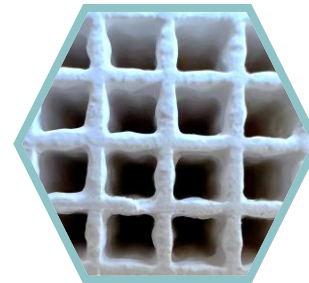
**We can tailor the product's form to meet our customers' needs**

**No changes to existing filtration systems are required**

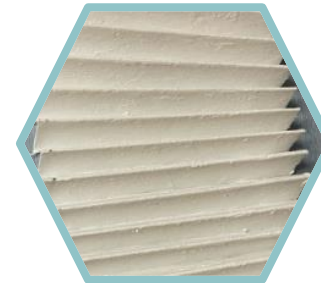
**Our materials can be used pure or mixed with other filtration materials**



Spheres



Coating

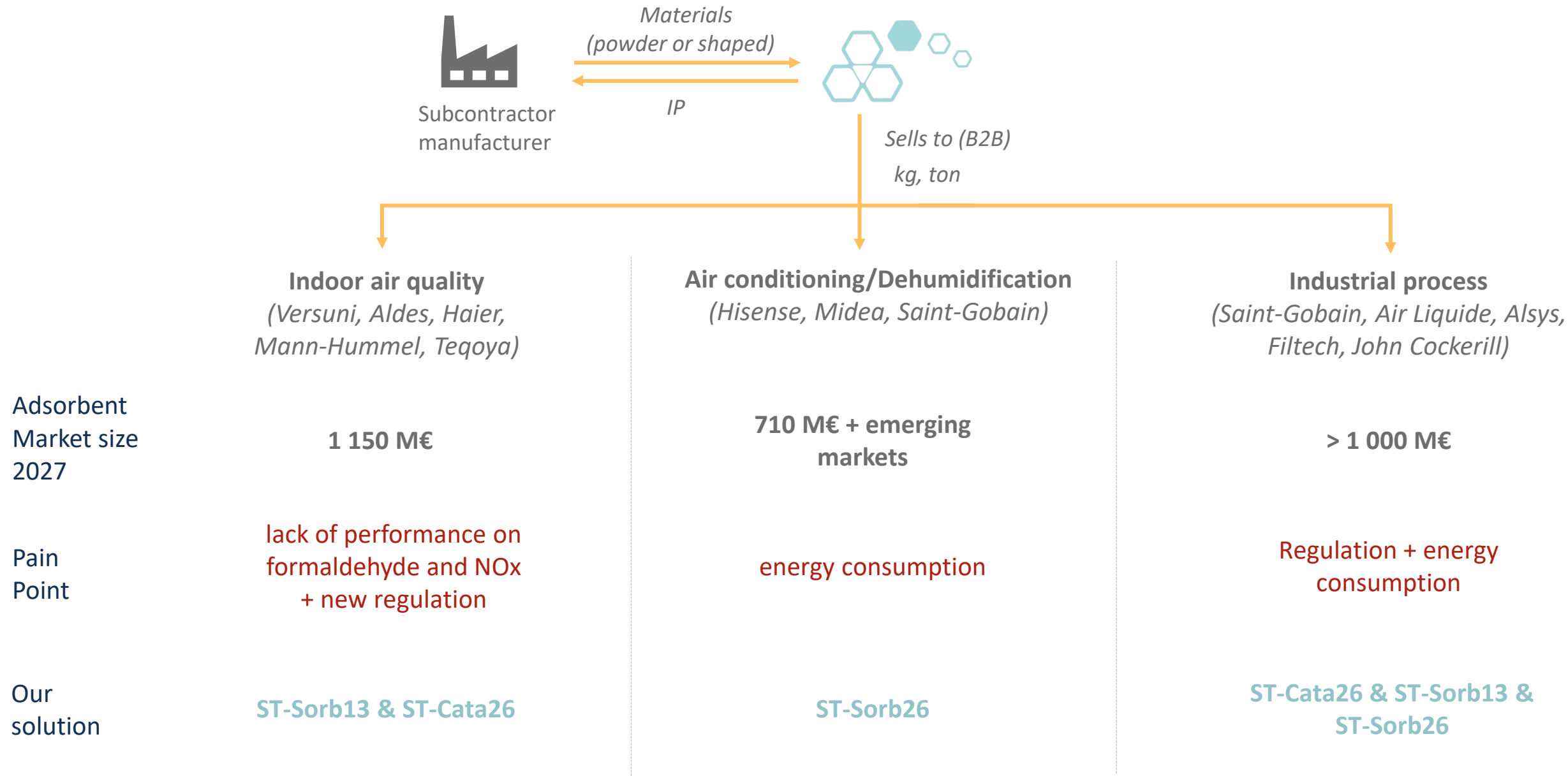


Coating

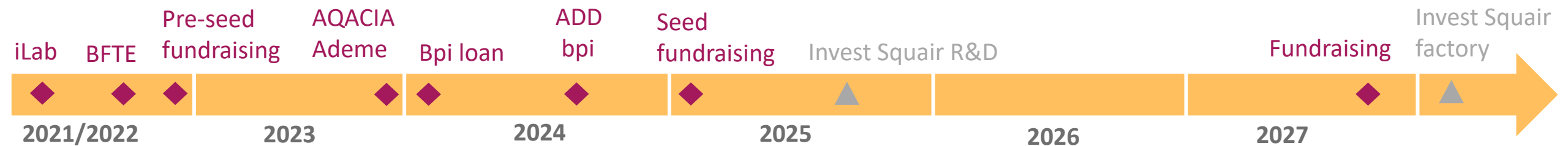


Membrane





	2024 First product on market	2025 Increase volume + new markets	2026 Increase volume + new markets	2027 Products on all markets
Indoor air quality		ST-Sorb13	ST-Sorb13 ST-Cata26	ST-Sorb13 ST-Cata26
AC/Dehumidification	ST-Sorb26	ST-Sorb26	ST-Sorb26	ST-Sorb26
Industrial process		ST-Cata26	ST-Cata26 ST-Sorb26	ST-Cata26 ST-Sorb13 ST-Sorb26
Turnover (k€):	20	335	1 034	2 296



ST-Sorb26/ST-Cata26

Pilot prod

Prod 100 kg-scale

Prod ton-scale

Prod ton-scale

ST-Sorb13

Pilot prod

Prod 100 kg-scale

Prod ton-scale

Prod ton-scale

Subcontracting

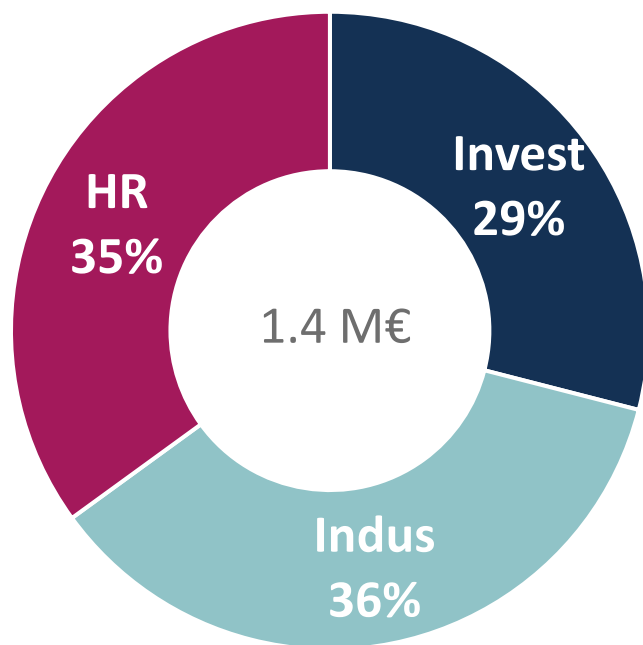
Squair

Team: 10 + 3 (R&D, prod, sales) + 2 (tech, R&D) + 1 (R&D) + 2 (prod, tech)

## Closing for Q1 2025

How much : 1.4 M€

To finance :  
 - indus & market entering  
 - Investment  
 - Recruitment



		2024	2025	2026	2027
Sold volumes (kg)		92	2 640	8 435	18 350
Turnover (k€)		20	335	1 034	2 296
Cash burn (k€)		36	129	124	173
self-financing capacity (k€)		- 150	- 479	- 180	89
Amort. (k€)		3	70	78	84
Var. WCR		9	28	86	147
Funding (k€)	Dilutive		1 400		
	Non dilutive	207	492		289
Treasury (k€)		361	1 209	901	1 096



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