



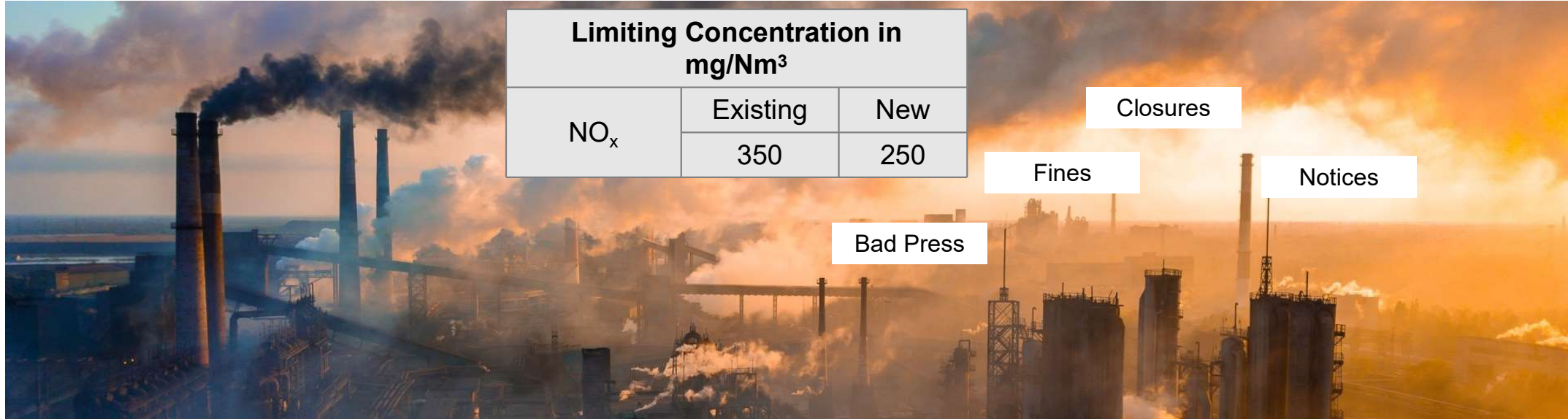
Materials Chemistry for Clean Air & Water

June 2024



Why Us? Why Now?

Stricter Compliance!



Limiting Concentration in mg/Nm ³		
NO _x	Existing	New
	350	250

Closures

Fines

Notices

Bad Press

Pollutants Escaping Tertiary Treatments Lead to Health Impacts!



Limitations of “Last-mile” Technologies

Water

Membranes **> 30% rejects, expensive, power intensive**

Ion-Exchange Beads **limited use**

Evaporation **energy intensive, loss of water**

Air

Particle filters **do not remove corrosive gases!**

Water scrubbers **incomplete removal, creation of effluents!**

Our Team



Currently there are 20+ dedicated professionals in team Exposome!



Dr. Prerna Goradia

ROLE: CEO

20 years leading materials chemistry industry
40+ global patents



Mr. Ashish Daga

ROLE: COO

15 years in chemical manufacturing



Dr. Amit Goradia

ROLE: SCALE-UP & DATA/ SENSORS

Serial entrepreneur, engineering function

Advisors



Dr. Vijay Ijeri



Dr. Pradeep Goyal



Dr. T.N.V.V. Rao



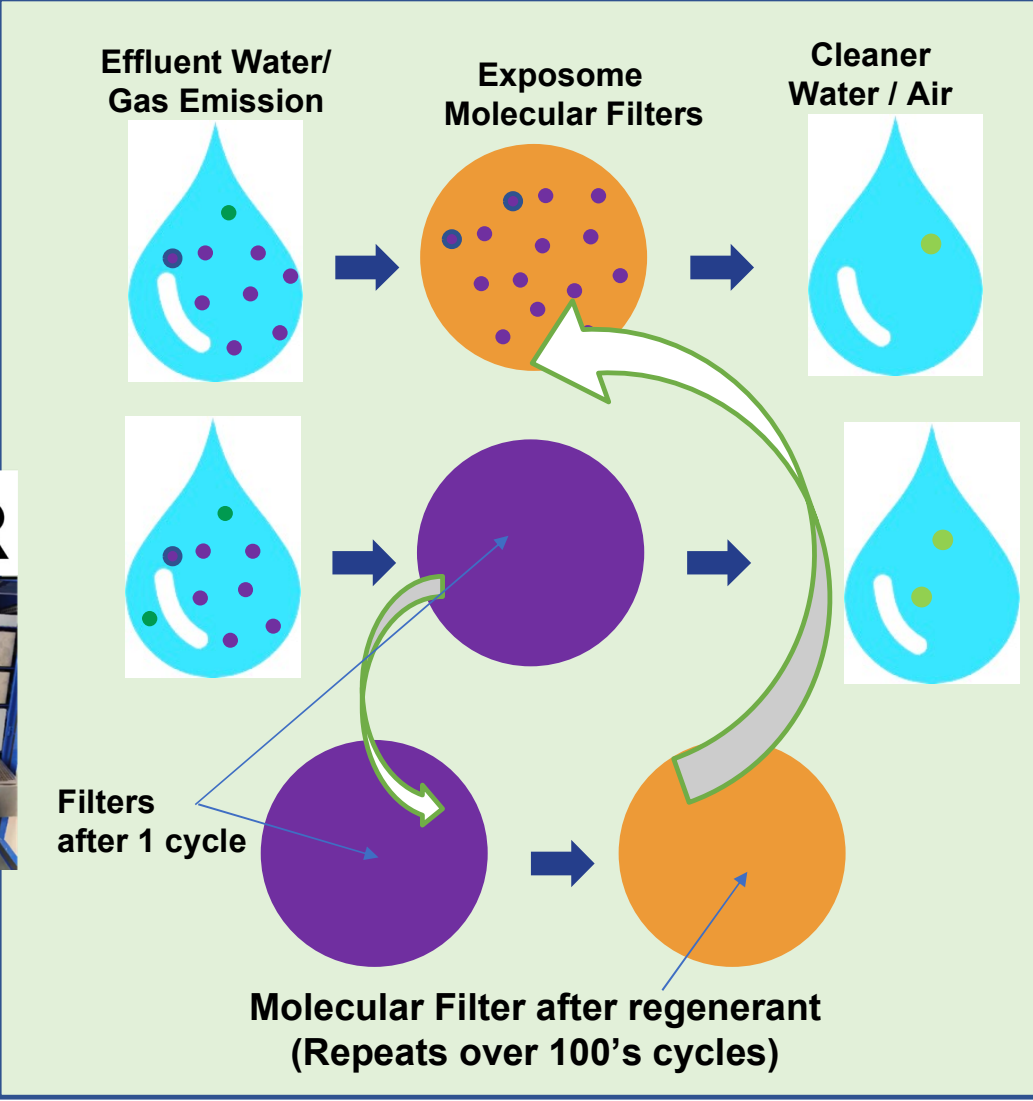
Mr. Anish Sengupta
Strategy & Partnerships



Molecular Filtration Technology

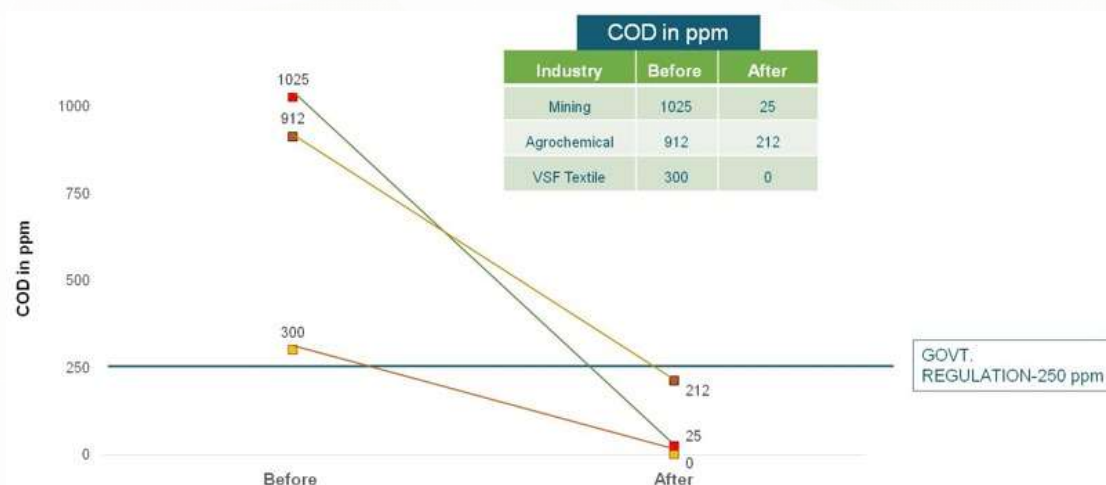


PurifAiR



The Exposome Impact: PureCODE Power

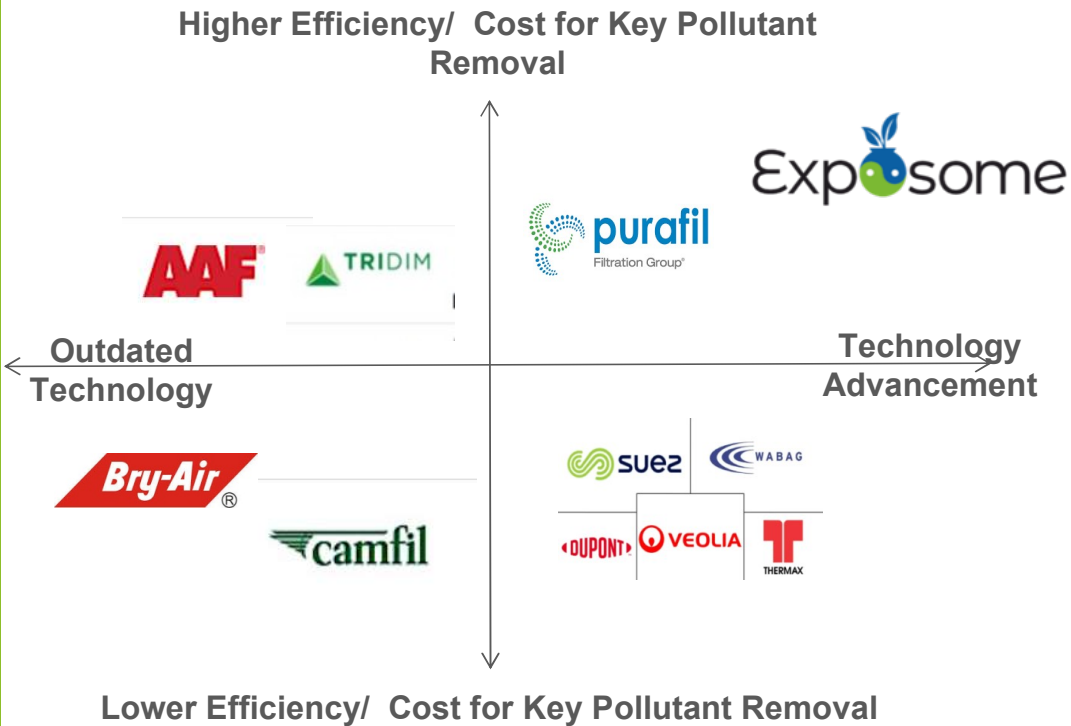
- Lowers recalcitrant COD, color, odor in a simple flow through system
- Removes ammoniacal nitrogen, phenols, organics, PFAS



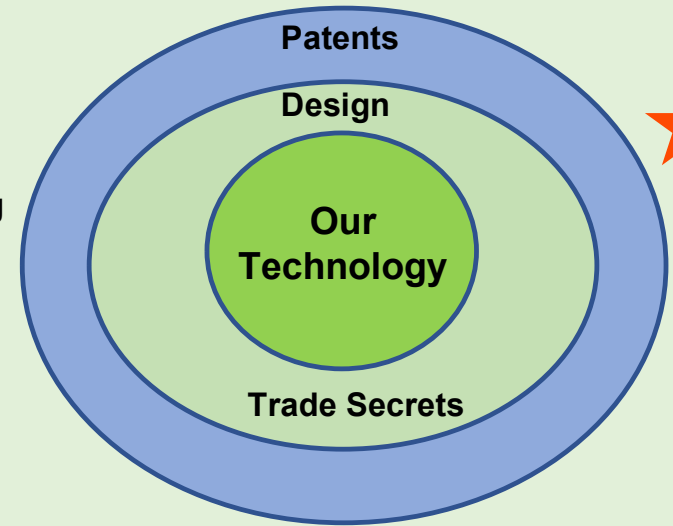
Untreated to treated



Competitors/ Business Sustainability



Prevent Reverse Engineering



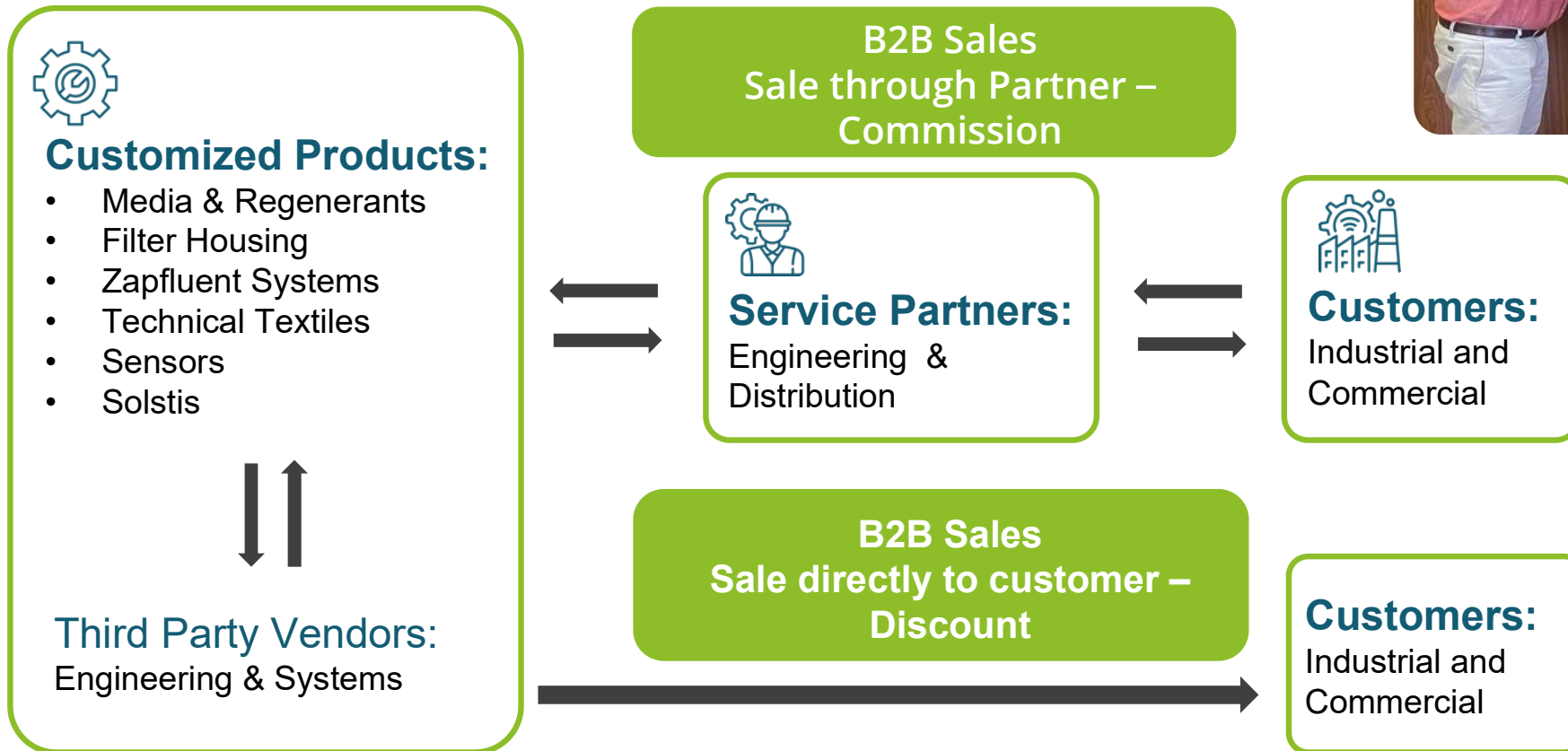
Market Size

80 % of global firms have sustainability targets for FY 2030!

Industrial Expenditure		Waste-Water Treatment	Air Filtration
GLOBAL	2022	\$35.2B	\$8.5B
	2027 (P)	\$49 B (CAGR : 7%)	\$13.3 B (CAGR : 9%)

*Source: Honeywell Environment Sustainability Index, Q4 FY 22 and Internal Research Report -ResearchFox

Business Model



Impact Statement & Goal (2027)



Increase 0.5 % treated waste-water in India by safe and efficient capture of effluents using 400 tons of molecular filters per month



15 billion m³ of clean air by deployment of 10,000 molecular filters per month



Thanks for your time!

Contact: info@exposome.in

Mobile: +91 9769664015

www.exposome.in

