Exposome™

Not just Smarter Wastewater Treatment

Regenerable Molecular Filters:
A Radical New Materials Technology Paradigm

www.exposome.in

ABOUT US

Deep-tech materials chemistry technology company, with a powerful and radical product portfolio for high-impact, low-TCO industrial air and water effluent treatment

- → Founded in 2020, Headquartered in Mumbai, India
- → Patented DeepTech - 1 Patent granted, 12 Patents under review
- → 15+ products spanning every industrial water treatment use case
- → 50+ installations across sectors— Paints, Textiles, Chemicals, Pharma, F&B, Power
- → Impact 10X higher than industry benchmarks
- → Backed by Colossa Ventures, 3i Partners

50+
Years of Cumulative Experience

25+
Global Clients

1000+
Custom Filters Deployed

Low Carbon Part'24 Accelerator Program

Hello Tomorrow Deep Tech Pioneer

Best Startup in Maharashtra 2022

UNDP Climate Change Champion & SDG5 Accelerator Program, 2022

OUR TEAM

Currently there are 50+ dedicated professionals in team Exposome

Dr. Prerna Goradia
Founder & CEO

Dr. Amit Goradia
Scale-up & Sensor Expert

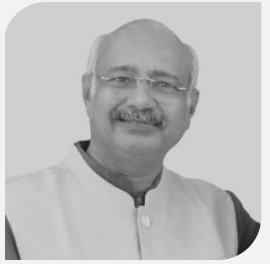
Dr. Tuhin Banerji
Head of Engineering

Ashish Daga
COO

Anish Sengupta
Strategy & Partnerships Business Leadership

Ajaykumar Vasudev
Vice President, Sales

Rakesh Kumar
Vice President, Sales

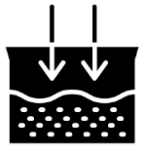


Pankaj Desai
Plant Manager

THE PROBLEM

Industrial wastewater treatment is *expensive, inefficient, and inadequate to meet compliance standards.*

Legacy Effluent Treatment Plants (ETPs) struggle to meet discharge norms.



Membranes foul and clog quickly needing frequent replacement.

Risk of non-compliance is rising — regulatory fines, ESG pressure, and operational downtime.

Exposome™

OUR SOLUTION

Regenerable molecular filters that *integrate seamlessly with existing ETPs*

200+ regeneration cycles → 3-5 years without replacement

Retrofit
into your current setup — no need to overhaul infrastructure

Remove Pollutants
COD, BOD, colour, ammonia, heavy metals, fluoride, and silica

Self-regenerating filters
using simple, non-toxic reagents

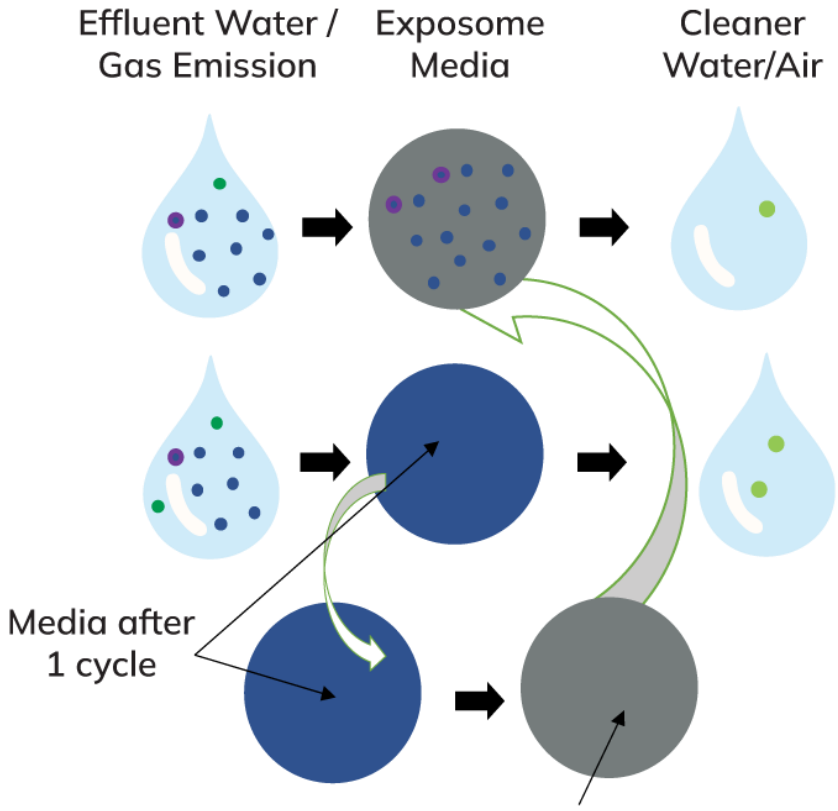
HOW IT WORKS

Simple flow-through installation

Easy regeneration with reusable liquid or powder mix (non-toxic, cost-effective.)

Runs for years without filter replacement — Media lasts up to 200 cycles.

Regeneration of Media/Valuable Residuals



Media after using Exposome regenerant
(Repeats over 200 cycles)

WHY CLIENTS CHOOSE US

Our results haven't just improved industry benchmarks, *we've changed the paradigm itself.*

Paint Manufacturer

- → Initial COD : 352 ppm
- → Final COD : 86 ppm
- → **76% removal efficiency**

Agrochemical Company (Ammonia)

- → Initial NH_3-N : 80 ppm
- → Final NH_3-N : <1 ppm
- → **100% removal efficiency**

Textile Industry (Hardness)

- → Initial $CaCO_3$: 1600 mg/l
- → Final $CaCO_3$: 650 mg/l
- → **60% removal efficiency**

25–50% COST SAVINGS
vs. traditional media

FAST ROI
Payback in months, not years

ZERO
Sludge Generation

RELIABLE COMPLIANCE
Meets discharge norms reliably eliminating compliance anxiety

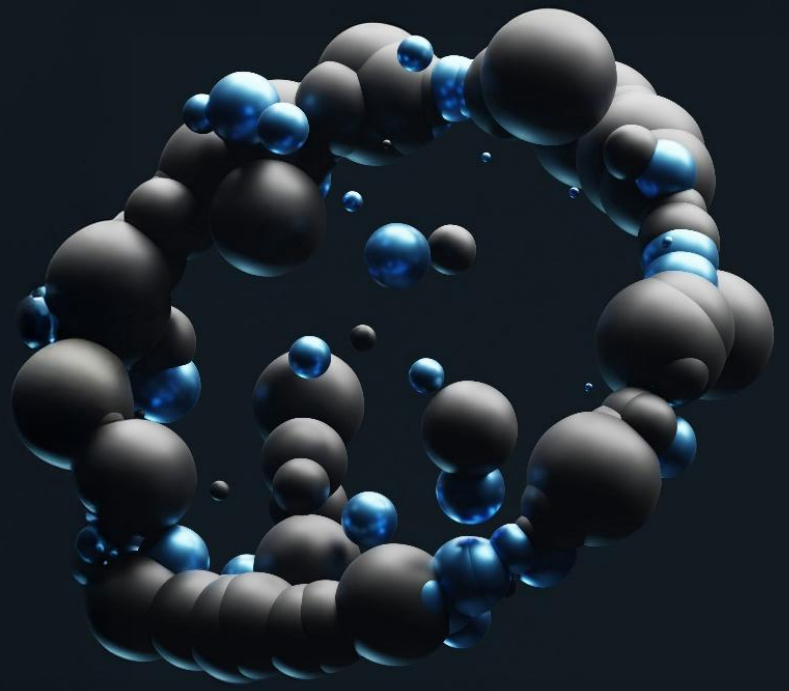
MADE IN INDIA
Low CapEx, faster delivery, better support, lower logistics costs

NEXT STEPS

Struggling with compliance?
Want to cut your filtration costs?

Let’s run a pilot at your plant.

Exposome™



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