

# PureWWT

Waste-Water Treatment (WWT)  
Regenerable Molecular Filters





# ▶ Next-Gen Regenerable Molecular Filters For Treating Effluent



**Glass Bead**\_\_\_\_\_

TSS Removal Media



\_\_\_\_\_ **Pure Met**

Heavy Metal Removal - Zn, Cr, Fe,  
Cd and Cu



**Pure Cyanide**\_\_\_\_\_

Cyanide & other Pesticides Removal



\_\_\_\_\_ **Pure Sil**

Silica Removal



**Pure Amon**\_\_\_\_\_

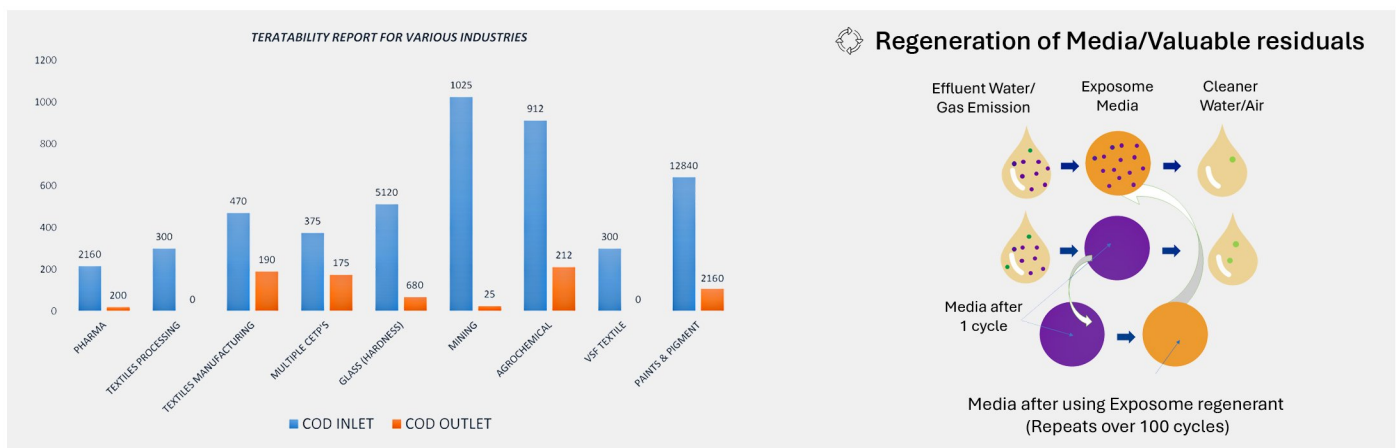
Ammoniacal Nitrogen Removal

\_\_\_\_\_ **Zapfluent**

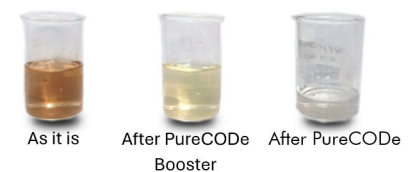
Redox Chemistry to abate Pollutants

# ▶ Next-Gen Regenerable Molecular Filters For Treating Wastewater Effluent

- Works on the principle of Adsorption-Absorption to lower the effluent impurities and help meet the stringent discharge norms.
- Durable under harsh conditions of temperature, pH and pressure.
- Improves the recirculation efficiency of your system by removing silica, hardness, heavy metals, Cyanide etc.
- Selective removal technology heavy metal, TOC, chlorine, iron, radioactivity Sulphates, pesticides, aluminium etc.
- Regenerable on-site. Runs 100's of cycles. Low CapEX - plug & play setup.
- Customized and selective - removal media as per requirement.
- Recovering the precious contaminants for re-use and recovery.



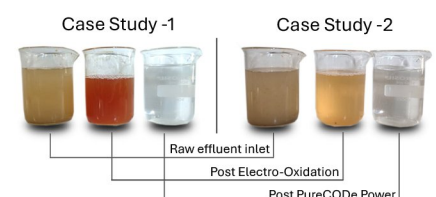
- **Dye Industries - Recycle water and achieve ZLD-**  
Lower COD and residual colour upto 80%



- **Lead removal till 0.1ppm in Effluent-**  
We achieved 99.68% lead reduction enabling the re-circulation of the Effluent in the Industry

Analysis	Initial	Final	Unit	% Reduction
Lead as Pb	30.200	0.096	mg/l	99.68%

- **Electro Coagulation/Oxidation-**  
Without using electricity, COD is reduced to 50-75 ppm  
Color can be completely removed post oxidation



- **Electroplating Industries-**  
Remove and recover heavy metals from rinse water

Inlet (Range of Cr in ppm)	Outlet (After 1L)	Outlet (After 1250 ml)	% Reduction
100 ppm	10 ppm	20 ppm	90% & 80%

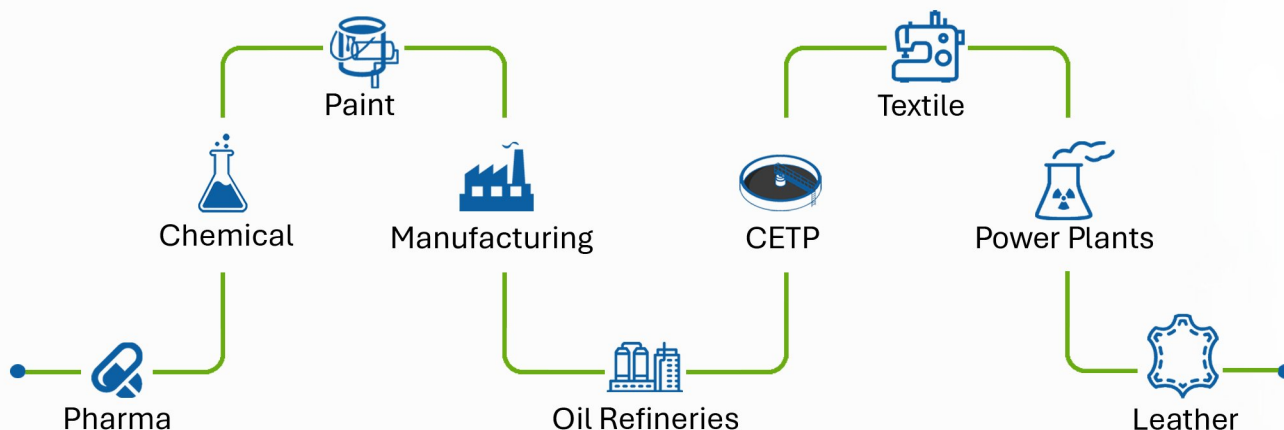




## ► Technology in the pipeline

**Zapfluent:** Electro-Oxidation of your effluent with generation of Useful by-products such as green Hydrogen.

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