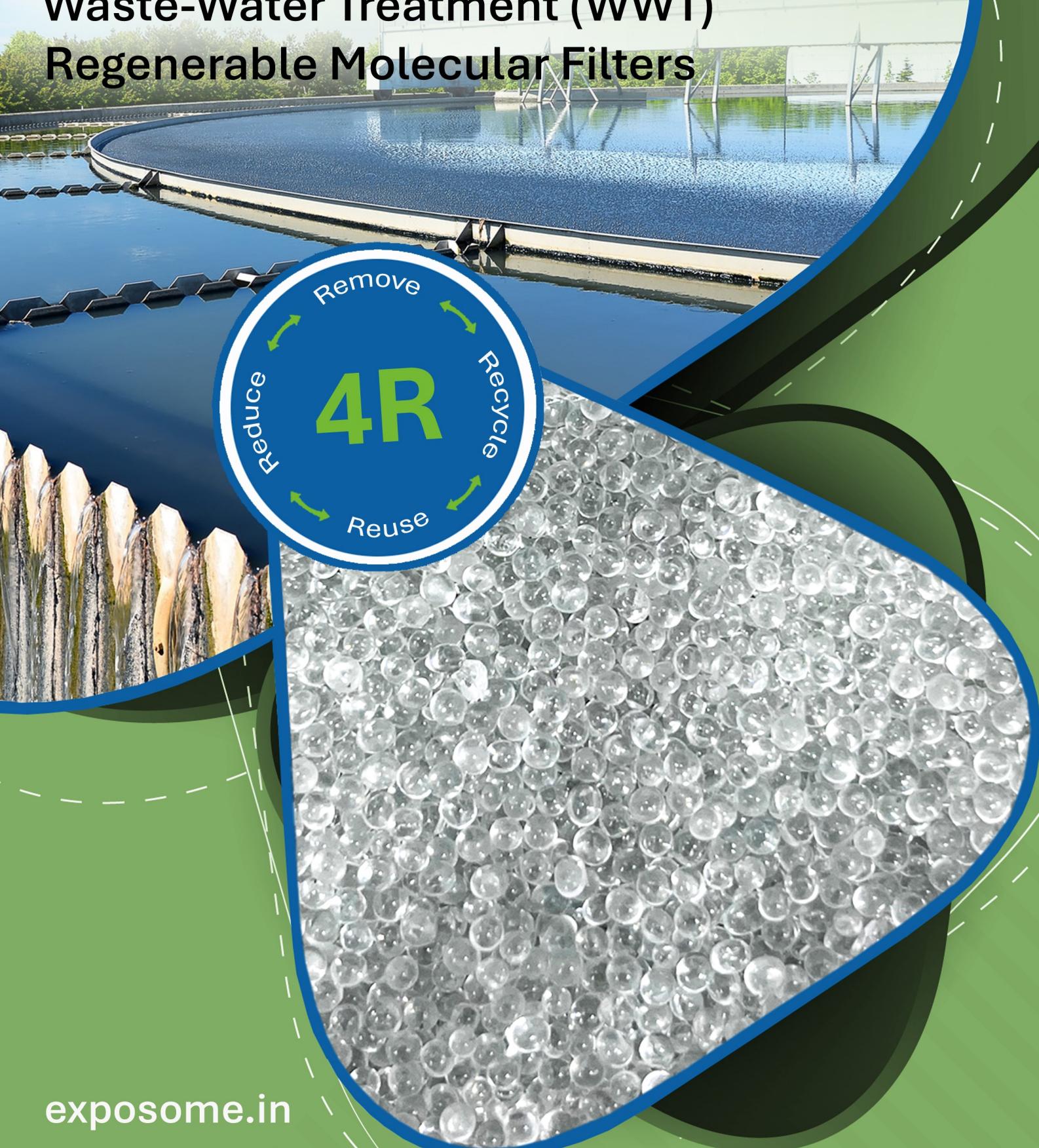


PureWWT

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

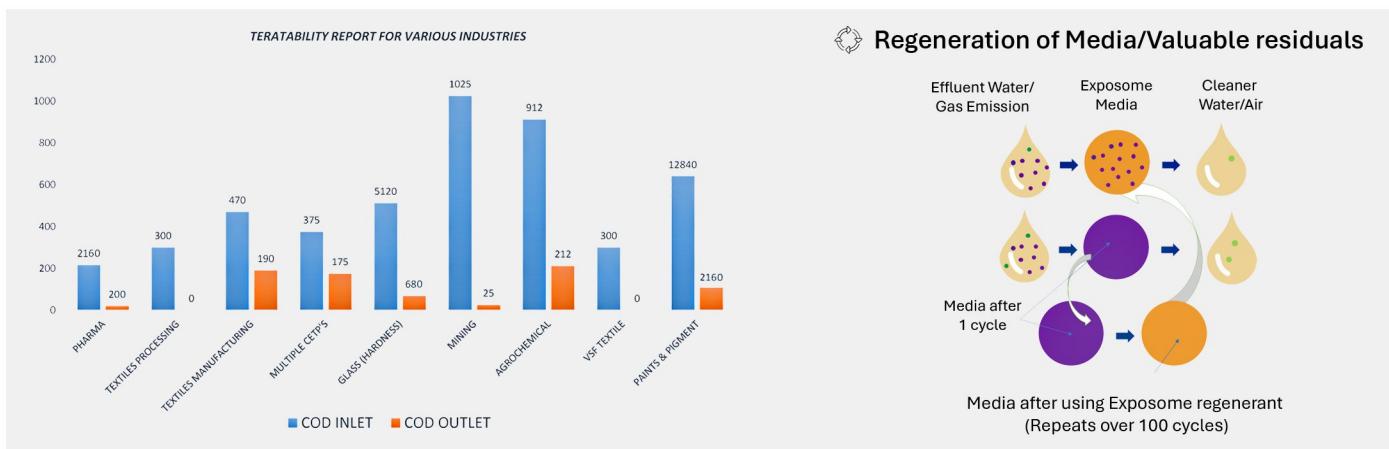
Ammoniacal Nitrogen Removal

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.



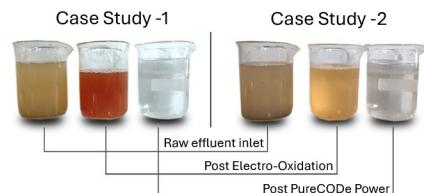
- **Dye Industries - Recycle water and achieve ZLD-** Lower COD and residual colour upto 80%



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

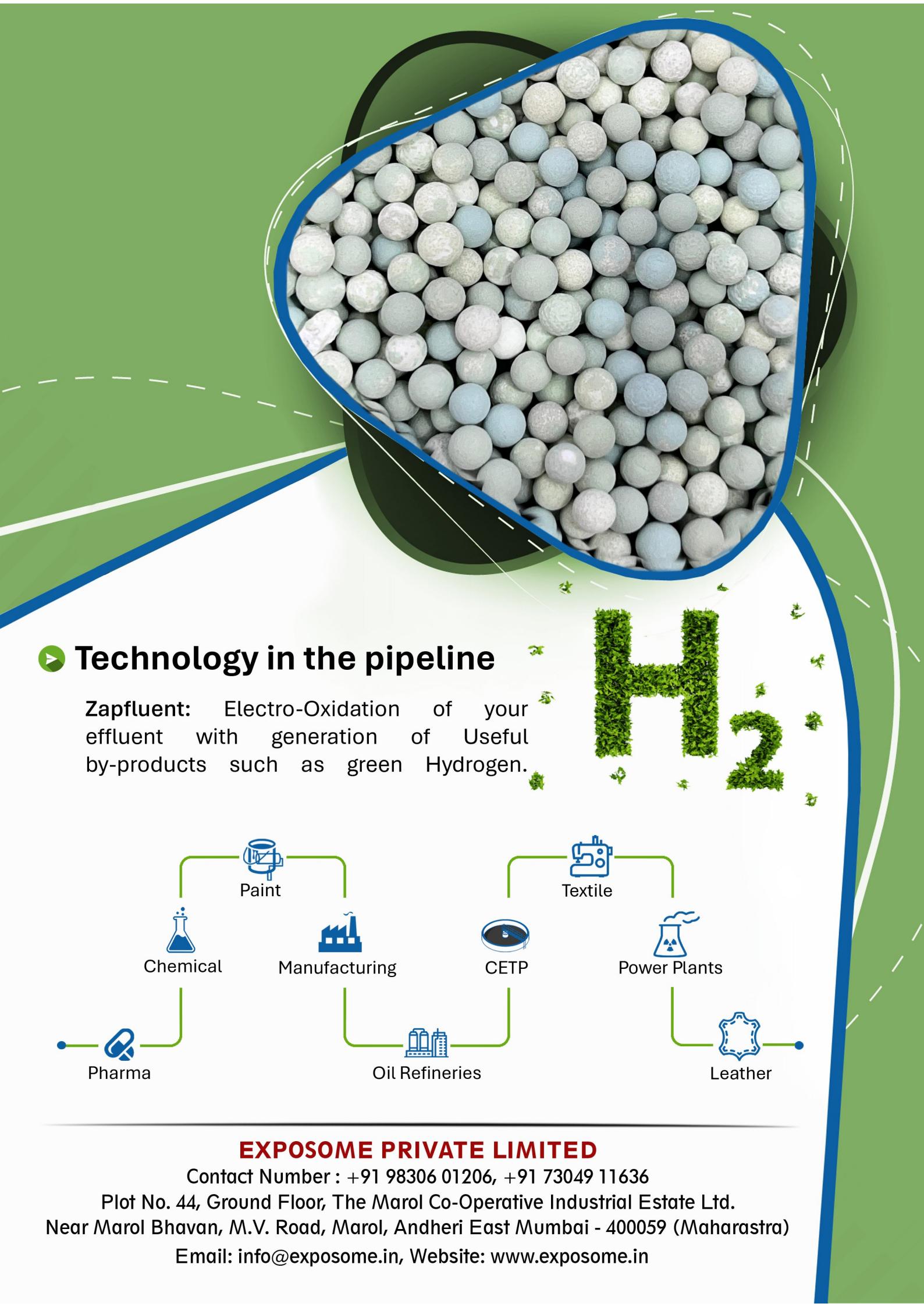
| Analysis | Initial | Final | Unit | % Reduction |
|------------|---------|-------|------|-------------|
| Lead as Pb | 30.200 | 0.096 | mg/l | 99.68% |

- **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

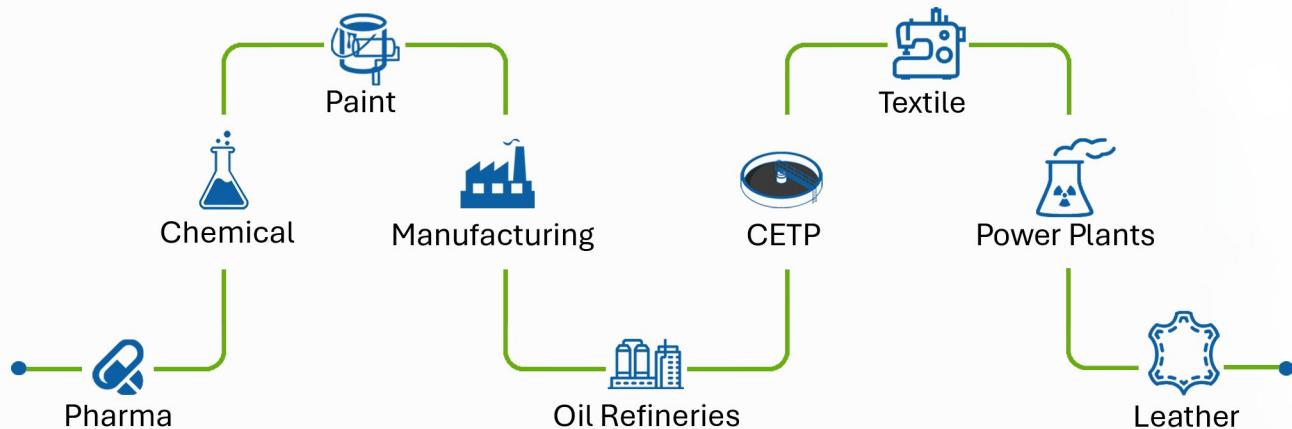
| Inlet (Range of Cr in ppm) | Outlet (After 1L) | Outlet (After 1250 ml) | % Reduction |
|-------------------------------|----------------------|---------------------------|-------------|
| 100 ppm | 10 ppm | 20 ppm | 90% & 80% |



➤ Technology in the pipeline

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

H₂



EXPOSOME PRIVATE LIMITED

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