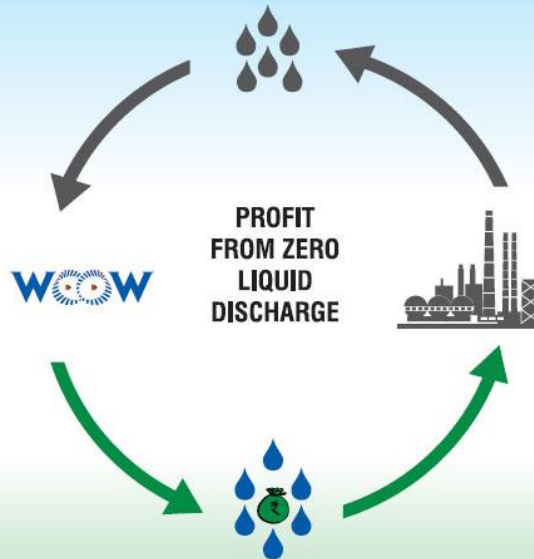




**GEIST**  
WEALTH OUT OF WASTE ▶

**WOW**  
TECHNOLOGIES



**Geist Research offers PZLD**


**PROFIT FROM ZERO LIQUID DISCHARGE – GUARANTEED**

By converting a wastewater stream into a resource stream

**HIGHLIGHTS**

- Recovery of pure chemicals
- Complete recycling of wastewaters
- Payback less than 2 years
- Applicable to a wide variety of industrial wastewaters
- Eliminates Incinerators, Multi Effect Evaporators and Conventional ETPs
- Supplied on turnkey basis
- Based on WOOV Technology platforms

**GEIST RESEARCH PVT. LTD.**

 | AN EARTH WATER ENTERPRISE

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Geist offers turnkey solutions based on innovative technology platforms to achieve **PROFIT FROM ZERO LIQUID DISCHARGE (PZLD)**.

These platform technologies enable recovery of pure chemicals from a wide variety of industrial wastewaters at a fraction of their market price and completely recycle the wastewaters. Geist's turnkey solutions create **'WEALTH OUT OF WASTE'** by generating revenues from the sale of recovered chemicals and saving on wastewater treatment costs alongwith reduction in the requirement and therefore purchase of fresh water.

The turnkey solutions based on our [WOOW Technologies](#) give a payback of less than 2 years.

#### Technology Platforms for PZLD:

##### WOOW-ASC (Anti Solvent Crystallization)

- For selective recovery of inorganic/organic salts in pure form
- Uses commonly available chemicals as anti-solvents

##### WOOW-Rx (Reactive Extraction)

- For recovery of organics without water evaporation even from dilute streams
- Uses commonly available chemicals as adducts and carriers

##### WOOW ChD (Chemical Dewatering)

- For concentration of dilute aqueous streams without water evaporation
- Uses commonly available chemicals as dewatering agents

##### WOOW EFC (Eutectic Freeze Crystallization)

- For selective recovery of small impurities from large streams in pure form
- No external chemicals added

#### ZERO LIQUID DISCHARGE – GUARANTEED

Turnkey implementation with process and product quality guarantees

Payback of less than 2 years

Can be operated at 'near ambient' conditions

Significant reduction in land area requirements as compared to conventional processes

Significant reduction in capex and opex as compared to conventional processes

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