

Description:

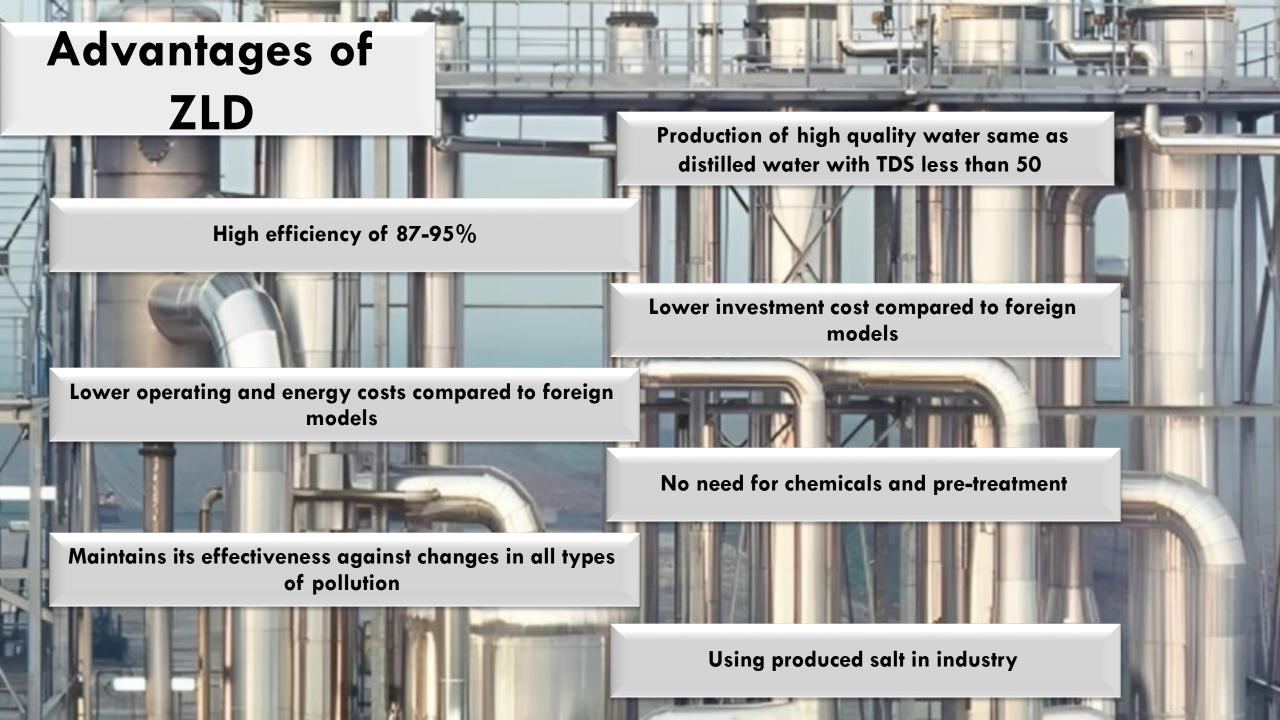
One of the ways to reduce water consumption and industrial wastewater recycling is ZLD (Zero-Liquid Discharge) system.

Zero liquid discharge means the recovery of 100% of water from wastewater, which includes wastewater thickeners and crystallizers, and the basis of its work is evaporation while using thermal energies and converting wastewater into pure water and solid salt, which can be buried or used in different industries.

ZLD is not only a technology but also an engineering thinking and creativity.

For construction of ZLD, experienced industrial people with a long history of working in water and wastewater treatment systems are required.





Application of ZLD

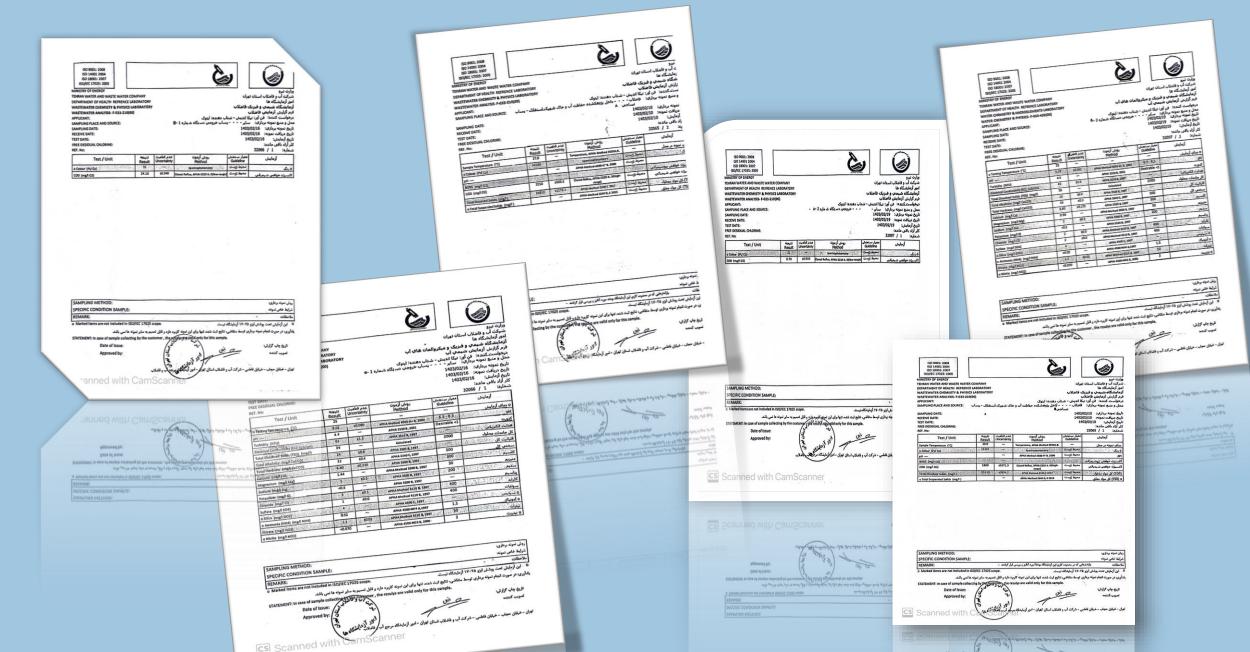
Full and maximum recycling of:

- Food, textile,
 pharmaceutical and...
 wastewater
- Produced sewage of power plants, refineries, steel, etc.
- Wastewater from reverse osmosis systems

Leachate



Test Results of Pilot of Textile and Dyeing Factories:



| Produced water from ZLD | Raw Sewage | Test |
|-------------------------|------------|------------------|
| 0.7 | 3250 | COD (mg/l o2) |
| 21 | 34166 | Color (Pt/co) |
| 26 | 36810 | TDS (mg/l) |



| Produced water from ZLD | Raw Sewage | Test |
|-------------------------|------------|------------------|
| 24.1 | 5800 | COD (mg/l o2) |
| 31 | 13167 | Color (Pt/co) |
| 39 | 95510 | TDS (mg/l) |



