

EVADEST EVAPORATORS



*Zero Liquid Discharge Systems for Oil Emulsion
Wastewater Treatment*

PROJECT INTRODUCTION

The client is one of the largest intralogistics equipment manufacturers in the world that requested a ZLD effluent plant. Our evaporator is currently treating oily and grease wastewater discarded from their main production line and from metal polishing processes.

WASTEWATER SOURCES

- Cutting fluid and emulsion wastewater discarded by CNC;
- Wastewater comes from the factory metal manufacturing processes, mostly from metal polishing;

YASA ET SOLUTION

- EVADEST Vacuum Evaporator as main treatment;
- PREDEST Electrocoagulation + REWATER System as pre- and post-treatment.

TREATMENT RESULTS

+79%

Water recovered from the manufacturing processes and recycled for further usage in the factory production lines.

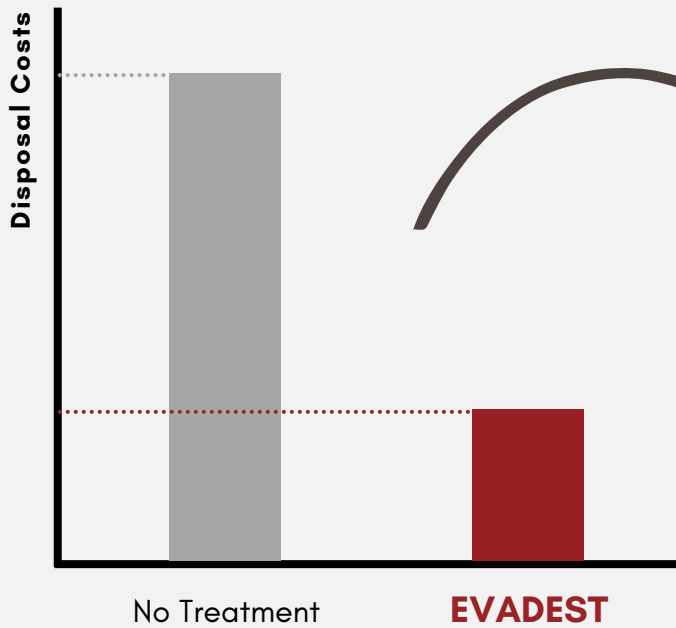
Contaminants and pollutants reduced from the feed wastewater
(measured as COD)

-99%

-70%

Wastewater disposal costs were significantly reduced, as well as the factory footprint on the environment

EVADDEST EVAPORATOR BENEFITS



DISPOSAL COSTS **-70%**

INVESTMENT PAYBACK **2.3 YEAR**

POLLUTANTS **-99%**



Automated Technology

The patented technology runs the automatic operations and equipment self cleaning 24/7.

Highly Pure Distillate

EVADDEST vacuum evaporators produces high quality distillate from any kind of wastewater or sludge.

Energy Saving Tech

The vacuum technology reduces the wastewater boiling point and the MVR design cuts the energy consumption by 60%.