

SOLIDEST CRYSTALLIZER



*Zero Liquid Discharge system for Electroplating
Wastewater Treatment*

PROJECT INTRODUCTION

Our client is the largest manufacturer of military equipment in China, mainly focusing on the naval industry. SOLIDEST crystallizer is currently treating Zinc electroplating wastewater from their factory production lines. The project reached the goals set by the client: cutting disposal costs and producing a distillate up to water pollution standards, thus it can be discharged into the sewer system without any further treatment.

WASTEWATER SOURCES

The main wastewater source comes from the factory Zinc electroplating lines and metal polishing process.

YASA ET SOLUTION

SOLIDEST Vacuum Crystallizer is the main treatment in the system and produces solid sludge and high purity distillate.

TREATMENT RESULTS

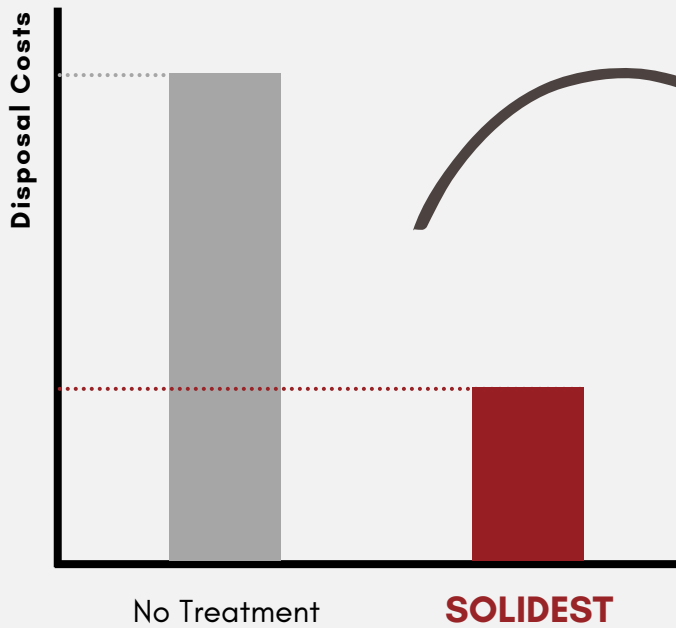
+82% Water recovered from the electroplating wastewater that can be recycled for further usage, such as cleaning.

Measured as COD, contaminants and pollutants were greatly reduced from the feed wastewater.

-94%

-68% Wastewater disposal costs were significantly cut down, as well as the factory footprint on the environment. In less than 2 years the equipment is completely repaid by cost savings.

SOLIDEST CRYSTALLIZER BENEFITS



DISPOSAL COSTS **-68%**

INVESTMENT PAYBACK **1 YEAR**

POLLUTANTS **-94%**



Patented Technology

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

Highly Pure Distillate

SOLIDEST produces high quality distillate from any kind of wastewater or sludge.

Energy Saving

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