



**EVALED**

**Mechanical & surface  
treatment industry**

**Phosphodegreasing baths | Italy**

# Phosphodegreasing baths

FOR INTERNAL USE ONLY

## Customer

The Company is a global leader in drivetrain and e-propulsion systems. They engineer, manufacture, and distribute power-conveyance and energy-management solutions for the vehicles of all core mobility markets: light vehicle, commercial vehicle, and off-highway. 135 major facilities in 33 countries, with 30.900 employees.

## Customer's needs

Recovering the rinsing water and the exhausted baths from a phosphodegreasing line (a typical request from this sector). To obtain a high quality distillate to reuse, to concentrate the polluting fraction as much as possible for a disposal costs reduction.



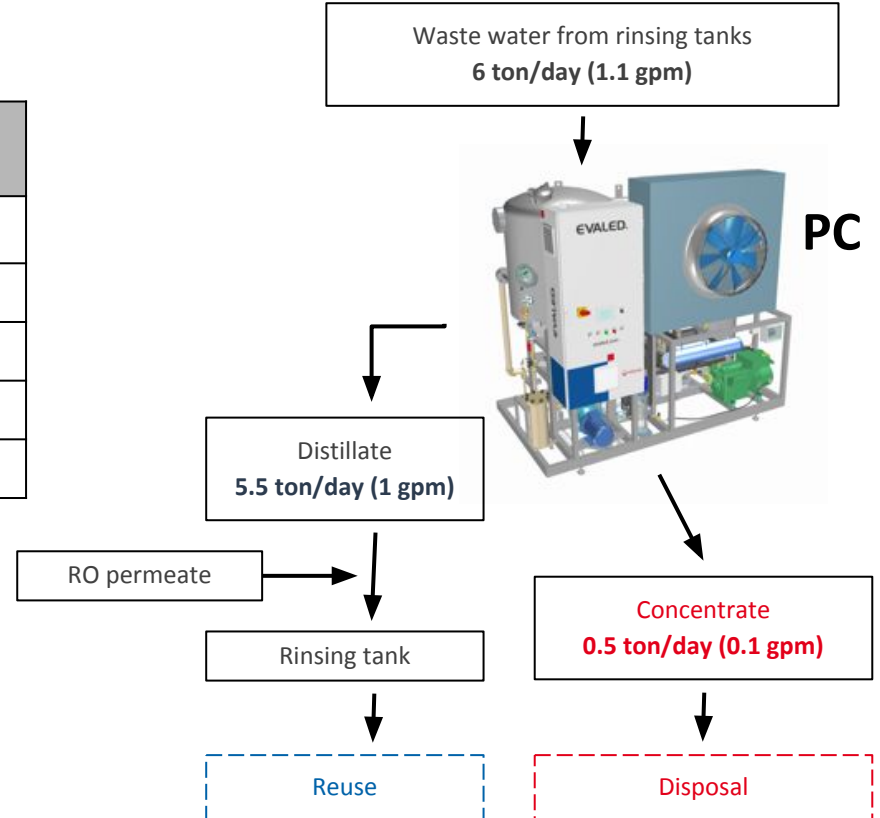
# The Plant

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## Analysis and Plant Process Diagram

Parameters	u.m.	Waste in	Distillate out	Concentrate out
pH		6.0	5.6	6.4
TS at 105°C	%	0.2	-	>2
Conductivity	μS/cm	400	<10	>2000
COD	ppm	450	<20	
Phosphorus	ppm	120	0.1	>1000

Technology Type	Material	Footprint (m <sup>2</sup> )
PC F 6 AA	AISI 316	4.64



# Results

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Water reused:  $\approx 92\%$   
Concentration factor: 12 times

## The solution achieved:

- recovery and reuse of the distillate for fresh treatment baths;
- disposal cost reduction.



Same customer | Mexico  
EVALED PC F 12

**Globally trusted  
by the Client.**

