EVAPORATION **TECHNOLOGY IN** PHOTOENGRAVING AND LITOGRAPHY





CUSTOMER



Rozzano (MI), Italy

Years of activity Industry Production process Wastewater

50

Graphic arts

Photoengraving and litography

Rinsing water (acid and alkaline) coming from photoengraving and lithography process

CHALLENGE

Customer's needs.

Reduce water consumption for cleanings and reduce the disposal costs.

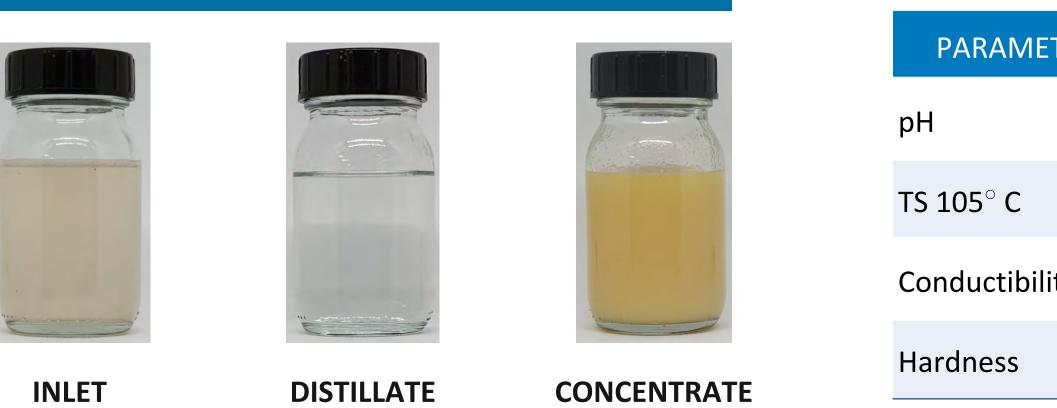
Goals to achieve.

- To obtain a good distillate quality for the cleaning
- To reduce as much as possible the volumes of the disposal

SOLUTION SUPPLIED

DESCRIPTION OF THE SUPPLIED SOLUTION.	ECO 500 V vacuum a
% WATER REUSE	97%
CONCENTRATION FACTOR	30
ZLD?	Yes





) VS is a heat pump evaporator with submerged heat exchanger and a low footprint. The high allows to operate at low temperatures (30-35°C)

ETERS	UNIT	WASTE INLET	DISTILLATE	CONCENTRATE
		6,2	4,3	/
	%	0,9	/	> 28
lity	μS/cm	6.850	<100	/
	° f	>37	<5	







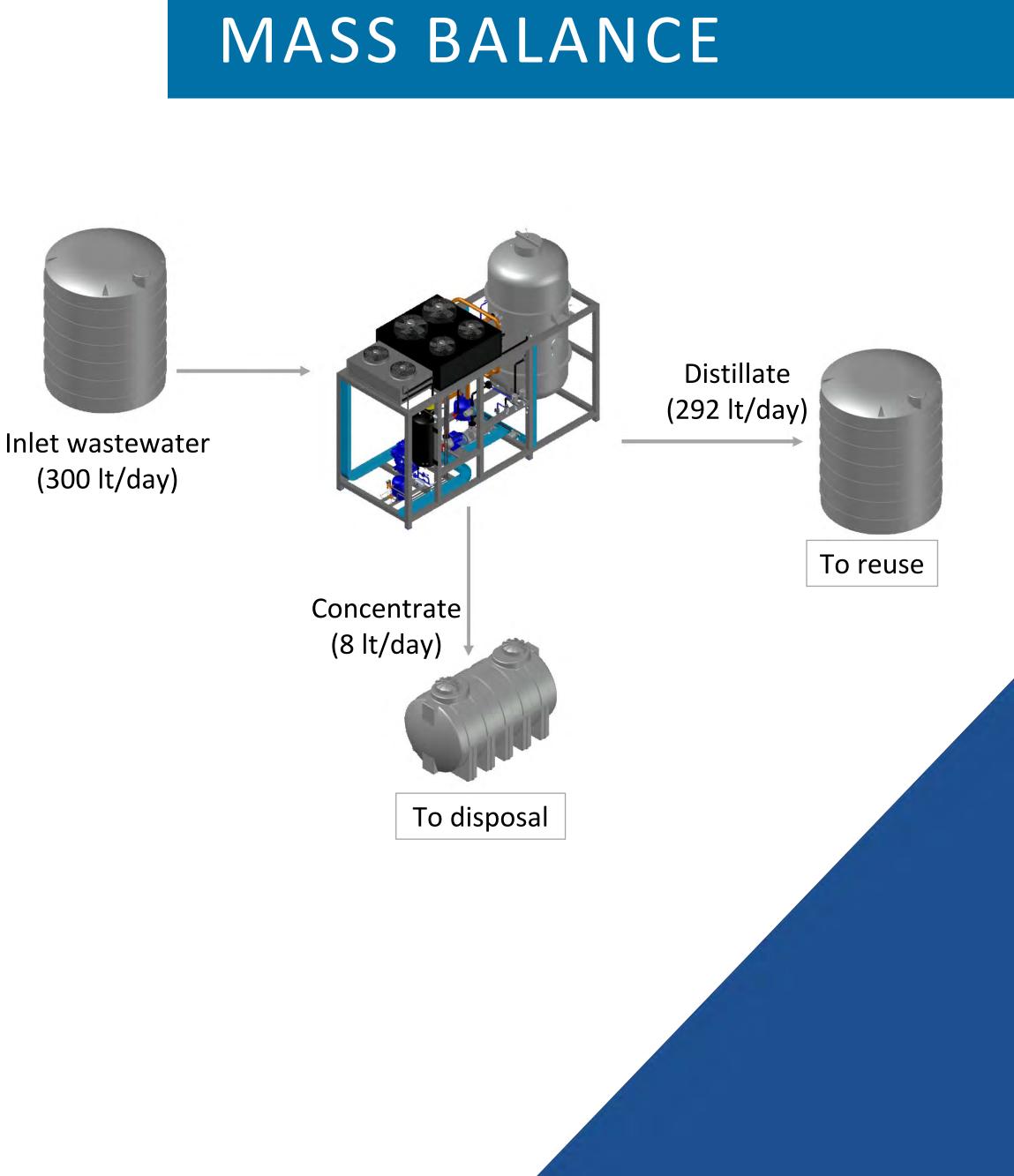
CONCLUSIONS

The evaporator was installed in 2016. The client has obtained an immediate benefit in keeping the rinsing tanks cleaned thanks to the evaporator, and at the same time reducing disposal volumes and costs.

The returning distillate has an excellent quality.

The concentration factor is 30 times, so this allows the client to obtain a fast payback.

The unit is very compact: in this case, the small size helped the customer, who had little space available for the installation.



The installed plant during regular daily functioning





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