

≽EDI

*▶*Ion Exchange

≻Electrowinning

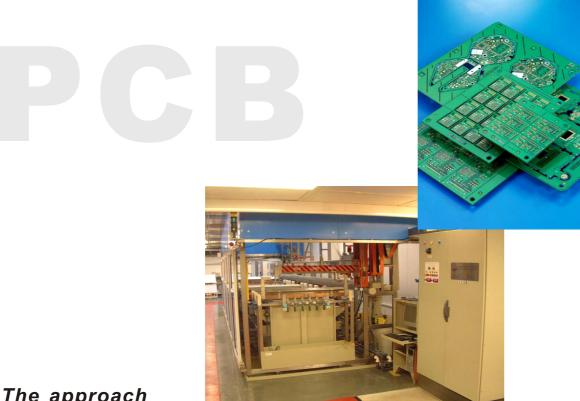
► Membrane Systems

Plating

manufacturing



very metal finishing shop generates varying liquid waste with metals and other contaminants. A successful waste management system must be custom designed to address each company's needs. Kleantek gains thorough understanding of our customers' processes and developes the most suitable system for each of them.



The approach

1. Define the waste problem

With a hands-on site survey, Kleantek's engineers get detailed information about the metal finishing shop process, such as rinsewater flowrates, volume and frequency of dumps, concentration of chemicals etc.

2. Define the waste treatment process

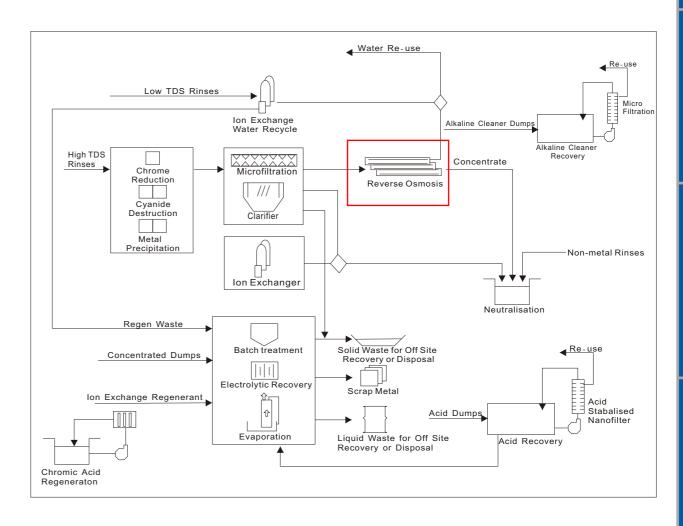
After analyzing the survey data, we prepare several alternatives with an economical analysis of each option for review with the customer.

3. Evaluate treatment technologies

Kleantek evaluates the economics and expected performance of the waste treament technologies. The goal is to get the system design Right the first time by evaluating all the factors during design.

4. Integrate treatment plant into your manufacturing During site survey, we measure the area available for installing the equipment. We ensure our equipment will integrate into the plant





Water Treatment

 \mathbf{Zn}^{2+}

Cu²⁺



From manufacturing

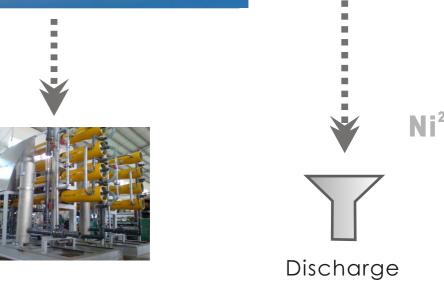
Pb²⁺

 Ag^+

 Cr^{3+}







 Ni^{2+}

 Pb^{2+}

 Ag^{\dagger}

 Cu^{2+}

Water Recovery

 Ni^{2+}

Zn²⁺

Pb²⁺ From Manufacturing Ag Cu²⁺ Recycle water

Reverse Osmosis Ag Pb²⁺ Excess dump

ROX - Membrane System(膜處理系統)		RO
Model	Capacity (m³/hr)	Plant Dimensions
型號	設計流量	設備呎吋
		(L x W x H) (長 x 寬 x 高)
ROX - 5	5	2500 x 1200 x 1850
ROX - 10	10	2500 x 1200 x 2250
ROX - 20	20	3800 x 1200 x 2250
ROX - 50	50	3800 x 1500 x 2250
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Discharge

 Zn^{2+}

^{*:} Custom Model 其他等訂流量