

## MEMBRANE FILTRATION

MEMBRANE SYSTEMS DESIGNED, BUILT AND COMMISSIONED TO OUR CLIENTS NEEDS

### APPLICATIONS INCLUDE:

- Colour removal in potable water
- Crypto barrier for potable water
- Effluent concentration
- Oil fat and grease removal
- Paint filtration & recovery
- Submerged membrane bioreactors
- Acid filtration in the galvanizing industry
- Wine and juice filtration
- Laundry wastewater treatment
- Whey Processing



*Ultra-filtration systems for drinking water treatment*

Colloide membrane systems are designed and built in house. Existing technical abilities, comprehensive research & development coupled to strategic partnerships with our membrane suppliers allow us to provide membrane systems which offer our Clients excellent systems at very reasonable prices.

Colloide can draw on the best membrane for each application and can cover the full filtration range whether it be micro-filtration, ultra-filtration, nano-filtration of Reverse Osmosis while using the most appropriate configuration in each case.



Proven techniques are used for ongoing applications while pilot plants are available for those applications where a degree of uncertainty is present. Membranes are having an increasing role to play in water and effluent treatment as the required treatment levels become higher and higher.



*Micro filtration plant for recovery of acid in galvanizing plant*

The membrane material, cut off point and system reliability are all vital to any membrane plant and it is important that the correctly engineered membrane system is provided on each application. Colloide provide an all round service which is second to none in this field.

The range of services can also vary from project to project. Colloide may offer membranes only on one project whereas a turnkey solution may be provided on another.



*Ultra filtration for drinking water treatment*



*Pilot plant for on site testing*

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