



Advanced Material Solutions Pty Ltd  
ACN 604 948 558

**Optimising Technology Through Advanced  
Materials**

# THE COMPANY

- AMS is an Adelaide based high tech manufacturing company with over 25 years in filtration systems
- Patented metallic filtration membrane technology
- Produce low cost, high quality titanium powder

AMS's products include:

- Tubular membrane
- Vacuum sheet
- Flat sheet

# OUR PRODUCTS APPLICATIONS

## 1 Oil & Water Separation

Breaks emulsification in conjunction with laminar flow

## 2 High Solids

RDV with NO filter aid to a nominal finish of 0.5 micron

Remove free run water to spadable dry

## 3 MicroFiltration

Particulate removal (0.1 Micron)

Compatible for use with Sodium Hydrochloride

# AMS SOLUTION

AMS has combined its titanium powder to its patented membrane technology to produce titanium membranes that have resolved the failure mechanisms of current polymeric, ceramic and stainless steel membranes.

## Competitive Advantage:

- high flux rates
- long life
- clean in place to new
- resistant to chemicals
- pH stable (0 – 14)
- heat resistant
- can withstand high pressure and pressure cycling
- non-corrosive to seawater
- hydrophilic
- cost competitive

# THANK YOU



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## CREATING VALUE

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