THE MODULAR WATER TREATMENT EXPERTS

Compact Modular Treatment Range

www.ross-eng.com
Working with RSE

- Project cost certainty - offsite build means minimal site time
- Programme efficiency & certainty - weather, site & logistical dependencies removed
- Treatment processes tailored to individual site conditions
- Consistently high build quality
- Health and safety benefits from construction in a factory environment
- Environmental benefits from offsite factory construction
- Proven process engineering, factory tested
- Standardisation for OEM’s and commonality of spares
- Guaranteed whole life costs
- Inbuilt redundancy / supply resilience
- Fully wet tested and pre-commissioned before load-out
- Base unit replaces intrusive on-site civil works
- Energy efficient plant reducing opex costs
- Remote supervision and support facilities
- Accelerated regulatory compliance, delivering top quality potable water
- Guarantees customer satisfaction
- Reputational benefits
- Transportable treatment units are a relocatable investment
Ross-Shire Engineering (RSE) offers its clients a complete 360-degree engineering and construction service

Ross-Shire Engineering are market leaders in the design, fabrication and delivery of award winning water treatment plants. Our specialist water treatment division has successfully delivered multiple modular plants offering tremendous environmental, quality and health and safety benefits over traditional on-site fabrication and assembly.

The RSE modular water treatment range offers a simple, robust solution. Our technologies include nanofiltration and ultrafiltration, reverse osmosis and other specialist processes for the supply of top quality water from poor quality raw water envelopes.
The following ancillaries / enhancements can be provided:

- Reverse osmosis
- Chlorination
- Plumbobolvency dosing
- UV disinfection
- Sludge/waste disposal
- Waste facilities

Nanofiltration membranes remove:
- Colour
- Giardia
- Cryptosporidium
- Particles as small as 2000 AMU

The compact modular range includes the following as standard:

- BIM compliant Autodesk Inventor 3D model
- Factory assembly
- Factory testing and commissioning
- Duty standby equipment
- Water quality sampling instruments

Why Nanofiltration?

- No chemical / sludge removal
- Fully automated membrane cleaning system
- Low chemical usage
- Remote monitoring
- Profibus enabled
- Duty stand-by system
- Energy efficient management system

Nanofiltration membranes concentrate within TTU baseframe for storage for membrane byproducts which are trickle fed to the waste discharge terminal.