UNSW researchers have developed an efficient Ion Exchange (IEX) desalination technology which is superior and lower in cost to the current state of the art technologies.

INVENTION NUMBER: 11_2572

The Technology

UNSW researchers have developed an efficient Ion Exchange (IEX) desalination technology which is superior to the current state of the art technologies such as reverse osmosis and distillation. The patent pending technology uses a novel hybrid regeneration system utilising recyclable reagents within a thermal process.

Key Benefits

The UNSW Ion Exchange solution is:

- Energy Efficient
- Lower Cost Desalination
- Low pressure requirements
- Low temperature requirements
- Can use solar thermal energy to regenerate the IEX resins.
Applications

- Maritime Desalination
- Arid land/Brackish water

The Opportunity

UNSW Innovations are seeking a partner to license this patent pending technology and develop products which will guarantee water security for generations to come.

For more info contact:

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