

# Desalination Technology

## 4th May 2019

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### News Highlights

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#### **Water vapor capturing using an array of traveling liquid beads for desalination and water treatment**

Growing concern over the scarcity of freshwater motivates the development of compact and economic vapor capture methods for distributed thermal desalination ...

<https://advances.sciencemag.org/content/5/4/eaav7662>

#### **Illuminating Water Filtration Could Reduce The Energy Cost Of Desalination**

Researchers have revealed for the first time the molecular structure of membranes used to purify seawater, a discovery that could reduce the energy costs of ...

<https://www.forbes.com/sites/natalieparletta/2019/04/11/illuminating-water-filtration-could-reduce-the-energy-cost-of-desalination/>

#### **The Fresh Water Crisis and Desalination Plants**

A new desalination technique called a freeze-thaw method freezes seawater in a vacuum, then under vacuum conditions, the desalinated ice is melted and diverted for collection. Two facilities in ...

<https://interestingengineering.com/the-fresh-water-crisis-and-desalination-plants>

#### **Freezing Sea Water Proposed to Fight Global Warming**

Three young geo-engineering enthusiasts have offered a simple and cost-effective solution - freeze sea water to rebuild polar ice caps.

<https://weather.com/en-IN/india/news/news/2019-03-18-freezing-sea-water-proposed-to-fight-global-warming>

#### **England could run out of clean water in just 25 YEARS and face 'jaws of death'**

The country is facing a massive water shortage crisis, the Environment Agency has warned.

<https://www.mirror.co.uk/news/uk-news/england-could-run-out-clean-14157852>

#### **KENYA: GRMF injects \$13 million into Baringo-Silali geothermal project**

Geothermal Risk Mitigation Facility (GRMF), a sub-regional organisation dedicated to the promotion of geothermal energy, has decided to provide a 1.3 billion ...

<https://www.afrik21.africa/en/kenya-grmf-injects-13-million-into-baringo-silali-geothermal-project/>

#### **Solar dominated renewable energy world possible by 2050, and cheaper**

Major study finds electrifying everything - heat and transport - and powering it through a solar dominated grid is possible by 2050, and will be cheaper and ...

<https://reneweconomy.com.au/solar-dominated-renewable-energy-world-possible-by-2050-and-cheaper-92830/>

#### **Want To Limit Global Warming? Electrify Everything, Finds Study**

April 16th, 2019 by Steve Hanley. Researchers at the Lappeenranta-Lahti University of Technology (LUT) in Finland and Energy Watch Group (EWG) have ...

<https://cleantechnica.com/2019/04/16/want-to-limit-global-warming-electrify-everything-finds-study/>

#### **Transition to 100% RE by 2050 'Cost-Effective': EWG Study**

A new study by the Energy Watch Group and LUT University is the first of its kind to outline a 1.5°C scenario with a cost-effective, cross-sectoral, technology-rich ...

<https://www.saurenergy.com/solar-energy-news/transition-100-re-2050-cost-effective-ewg-study>

### **Solar evaporator to enable cheaper small-scale desalination technology**

The development of a new type of solar evaporator promises to power a new generation of cheaper and more efficient small-scale desalination technology.

[https://www.upi.com/Science\\_News/2019/04/17/Solar-evaporator-to-enable-cheaper-small-scale-desalination-technology/1071555464224/](https://www.upi.com/Science_News/2019/04/17/Solar-evaporator-to-enable-cheaper-small-scale-desalination-technology/1071555464224/)

### **Abengoa wins desalination contract for Emirates Global Aluminium facility**

The GCC projects industry turned out in force to celebrate the region's best projects at the MEED Projects Awards 2019, in association with Mashreq. Subscribe or upgrade your current MEED.com package to support your strategic planning with the MENA region ...

<https://www.meed.com/abengoa-wins-desalination-contract-emirates-global-aluminium-facility/>

### **UK to contribute 9m pounds for Gaza's water desalination plant**

GAZA STRIP (Ma'an) -- The United Kingdom announced a contribution of nine million pounds for the water desalination plant in the besieged Gaza Strip, according to Mazen Ghneim, head of the Palestinian Water Authority (PWA), on Tuesday. The announcement ...

<http://www.maannews.com/Content.aspx?id=783338>