



Offgrid seawater reverse osmosis desalination powered by hydraulic wind turbines

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Francesca Greco obtained her M.Sc degree in Chemical and Process Engineering, Sustainable Technologies for Energy and Materials, at University of Bologna (Italy) in 2018. She has a background in Mechanical Engineering, due to her bachelor's degree from University of Florence. From September 2017 she joined the Offshore Engineering Section of The Hydraulic Engineering Department to prepare her M.SC thesis and she is currently employed there as a researcher.

Her research focuses on the use of renewable energy sources, and in particular wind, to power an off-grid Sea Water Reverse Osmosis (SWRO) desalination system, without any intermediate electricity conversion, for applications in small islands and remote coastal locations.

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