



Center for Transboundary Water Management
Arava Institute for Environmental Studies, Israel

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Our Mission

Our mission is to advance cross-border environmental cooperation in the face of political conflict.

This is to ensure that:

- The shared environmental resources of the region will be protected from further degradation and loss.
- Scarce environmental resources will no longer be a source of conflict.
- Environmental cooperation will become a model for cross-border cooperation in all other areas of the conflict.





CTWM STRATEGY

Off – grid Water-Energy-Land-Food (WELF) solutions for community development, environmental protection, and conflict mitigation in the Middle East and the Mediterranean

Decentralized Water and Energy Solutions

Off grid wastewater treatment and reuse.

Vertical green wall bio-filter

Solar and battery powered

O&M via website/app

No sludge

Black and grey water treatment

Water quality for irrigation

Two household pilots in operation

Commercial pilot to come on line soon

soon



Decentralized Water and Energy Solutions

Off grid desalination for brackish groundwater

High recovery fresh water to brine ratio
Solar powered
Brine discharge used in evaporative cooling of greenhouses
Can produce approx. 100-300 cubic meters per day
First prototype completed
Commercial pilots to come online soon





MANY THANKS!

