

## Desalination

Sustainable extraction of drinking water from seawater.

### Project Description

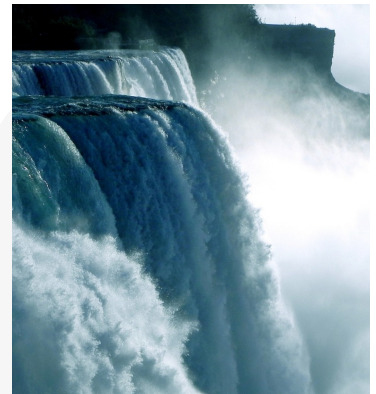
- The countries in the Mediterranean region, Middle East and Africa, and the islands are suffering in recent years with the supply of drinking water.
- Due to low rainfall during the summer months in these regions, it comes to increased shortages in water supply.
- Not only the residents in respective settlement areas, but also agriculture suffers from the low amount of available water.
- In recent years, water pumps were installed to bridge the drought. But it was only a help in the short term, in the medium term it caused new issues due to lowering groundwater level.
- Since these countries are surrounded by sea and each has sufficient sunlight, a desalination plant, which would operate with a photovoltaic system, would generate a valuable contribution to the recovery of additional drinking water.
- Desalination can be based on various processes that remove salts and minerals from the water.

### Technology

- For the operation of the desalination plant a renewable energy system supplies the power. With a battery storage module, which is delivering the required power constantly the production process of desalination can be performed.
- With this combination, it is possible to operate a sea water desalination plant with a high percentage with renewable energy.

### Project Partner

- Project Owner
- Desalination and Energy system
- Operation of the entire system
- Finomics AG – Investment advisor fund



### Impact Investment

Our project takes into account the environmental, social and governance criteria according to ESG.

**ESG 9 – SDG 3, 6, 9, 13**