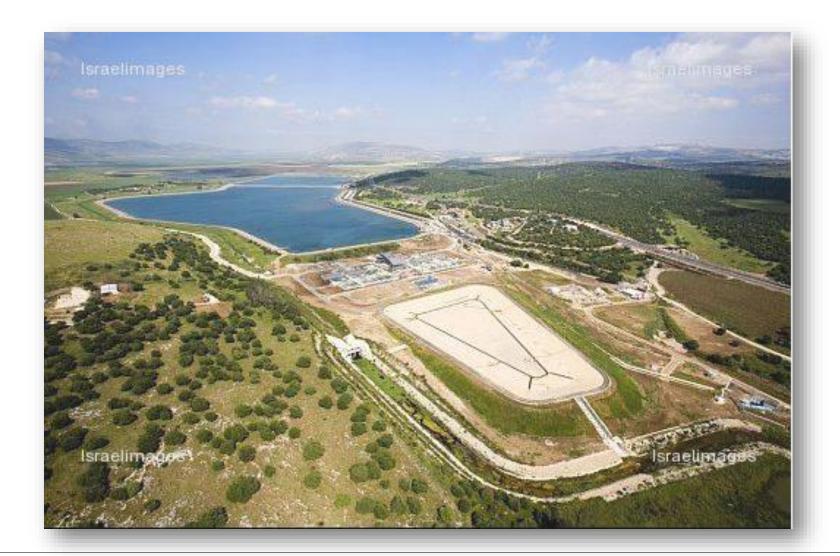


Functional Surfaces







- Typical water reservoir, integrated in a farmland irrigation scheme
- Surface or treated waste water are collected
- Water is exposed to evaporating (salinization), dust / dirt, algae growth
- Water treatment costs
- Typical area 5.000 m² 100.000 m²







- Completely covered, 80 pc. PV panels, 20 kWp
- Electric power is consumed by the local pump station
- Water by SWTP used for irrigation
- Cover thickness ~ 1 mm, 3 ply design, special fabric integrated
- Tensile strength allows to walk and work on the cover
- The cover follows the water level
- Ideal photovoltaic platform
- Installation took altogether 3 weeks













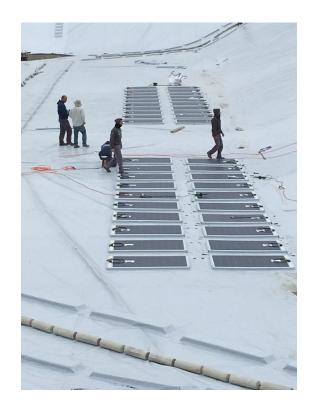


The foil has a 20 year life span as a minimum

- 1/3rd of CAPEX, compared to concrete or steel tanks
- Irrigation water is often subsidized and sold for 0,1 EUR / m³ and 0,5 EUR / m³
- Diesel replacement, water truck or ship vessel supply shall be avoided



Solar Floating Cover





Division ContiTech of Continental AG

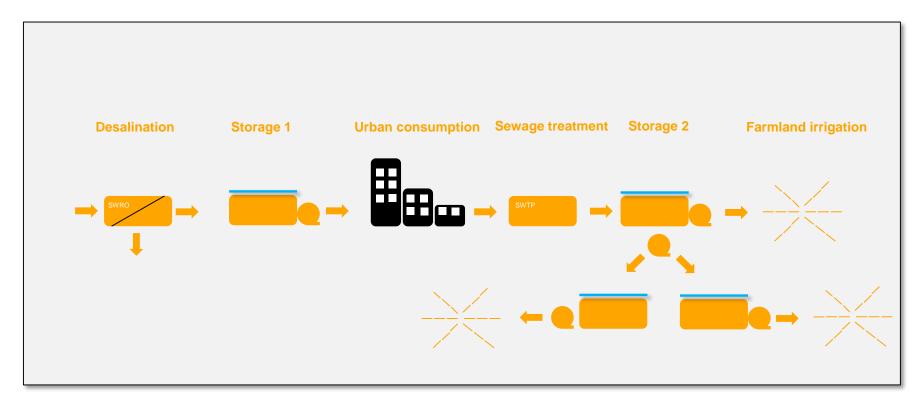
Confidential





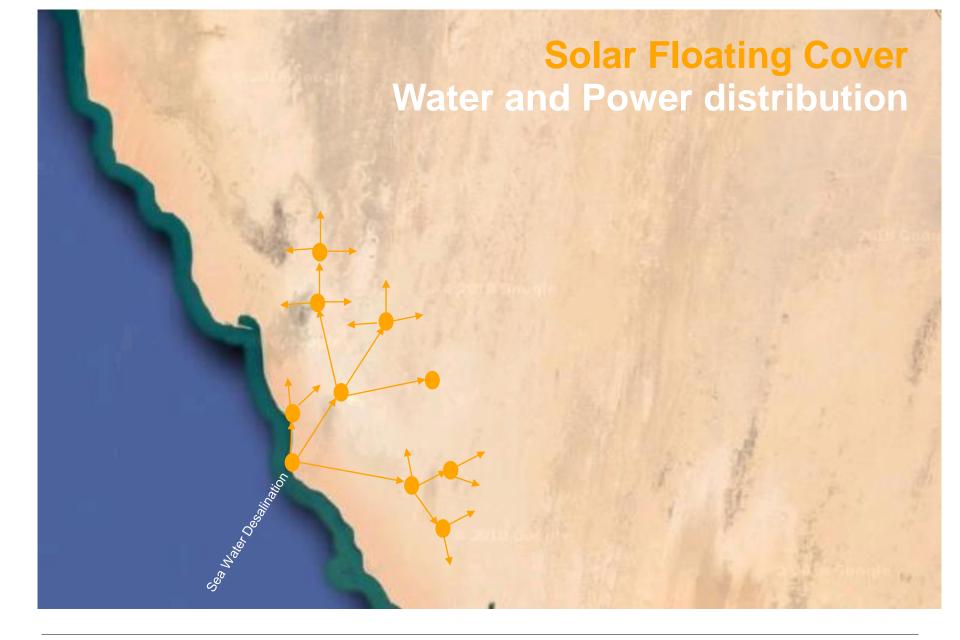
Solar Floating Cover

Integration in water management



- Water scarcity requests a comprehensive water management by public water authorities
- Water reservoirs become a self sustainable water & power distribution network









- Water pollution prevention
- Algae removal, irrigation improvement
- Odor prevention
- Evaporation prevention
- Avoidance water treatment costs
- Lower salinity level
- Sealing against birds (aeronautics)



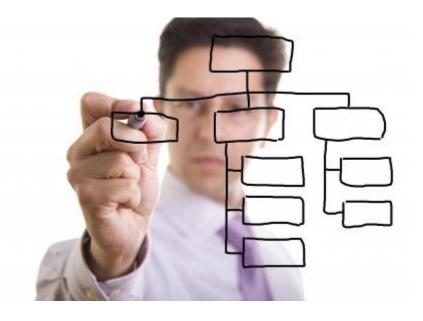


- Self sustainable pump operation
- Participation on renewable feed-in-schemes
- Replacement of alternators in remote areas
- Water and power supply in semi-arid regions
- Saving land or land costs
- State of the art photovoltaic system
- Glass encapsulated PV panels, semi-rigid or flexible



Solar Floating Cover

Project study



- Comprehensive project study -> technical-economical-legal-logistical
- Cost of land is decisive for power supply cost comparison
- Hydro-biological study
- Feed-in-tariff-scheme
- Energy yield simulation
- Electrical loading profile
- Off-grid PV system and self sustainable operation
- The study shall be carried out jointly by the buyer and vendor





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