

Problem



Solution



SOLAR WATER DESALINATION SYSTEM

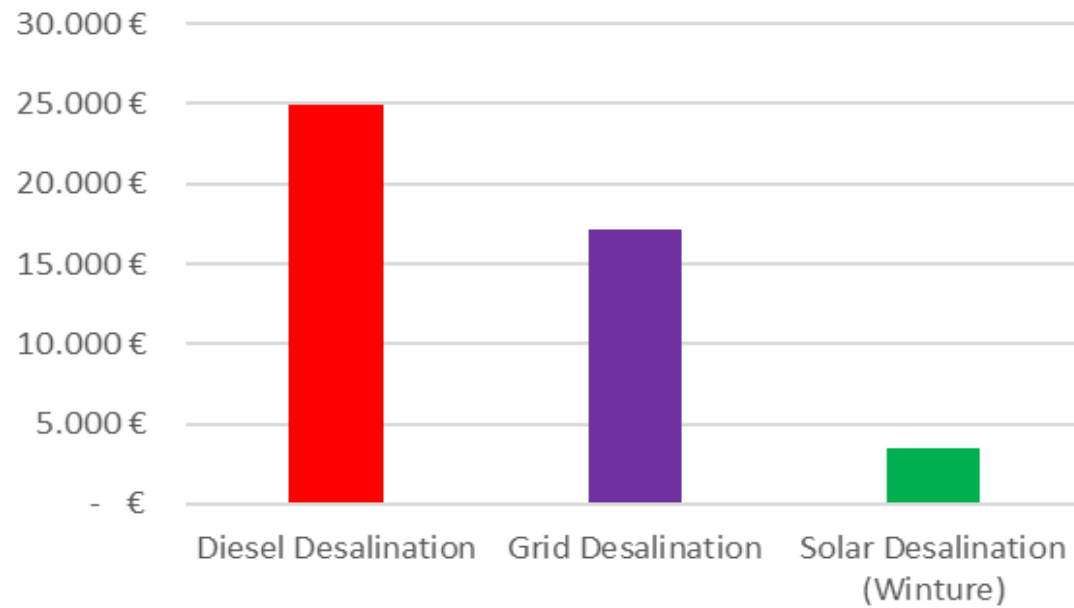




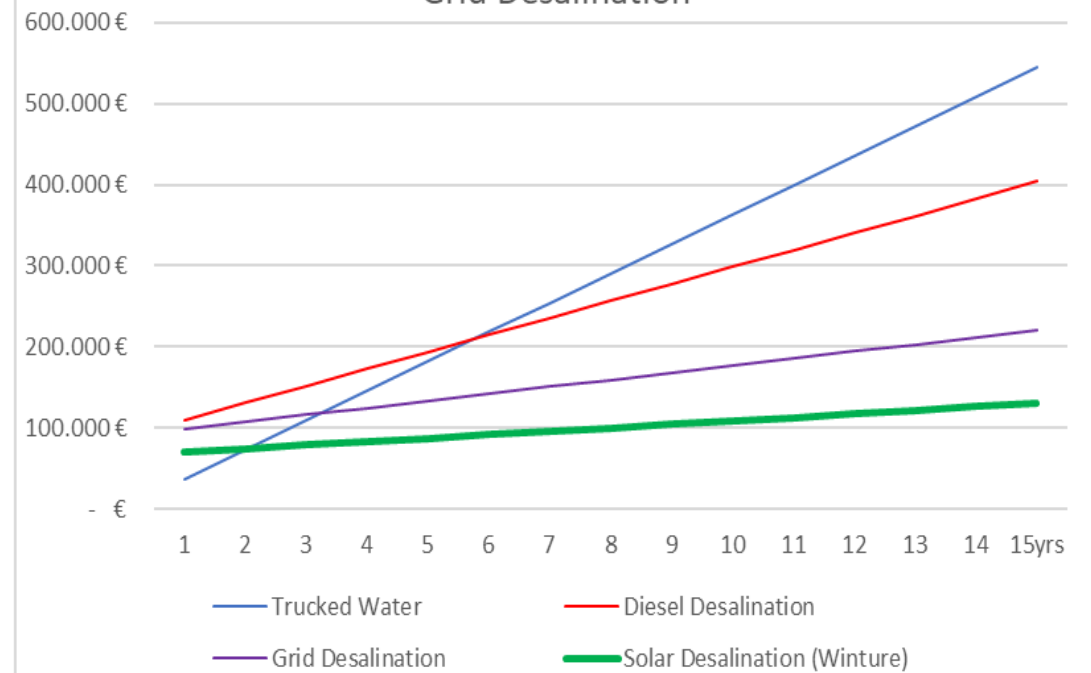
0.30 \$
1000 liter



OPEX Solar vs. Diesel & Grid Desalination



Costs of Solar Desalination vs. Trucked Water, Diesel & Grid Desalination





Affordable



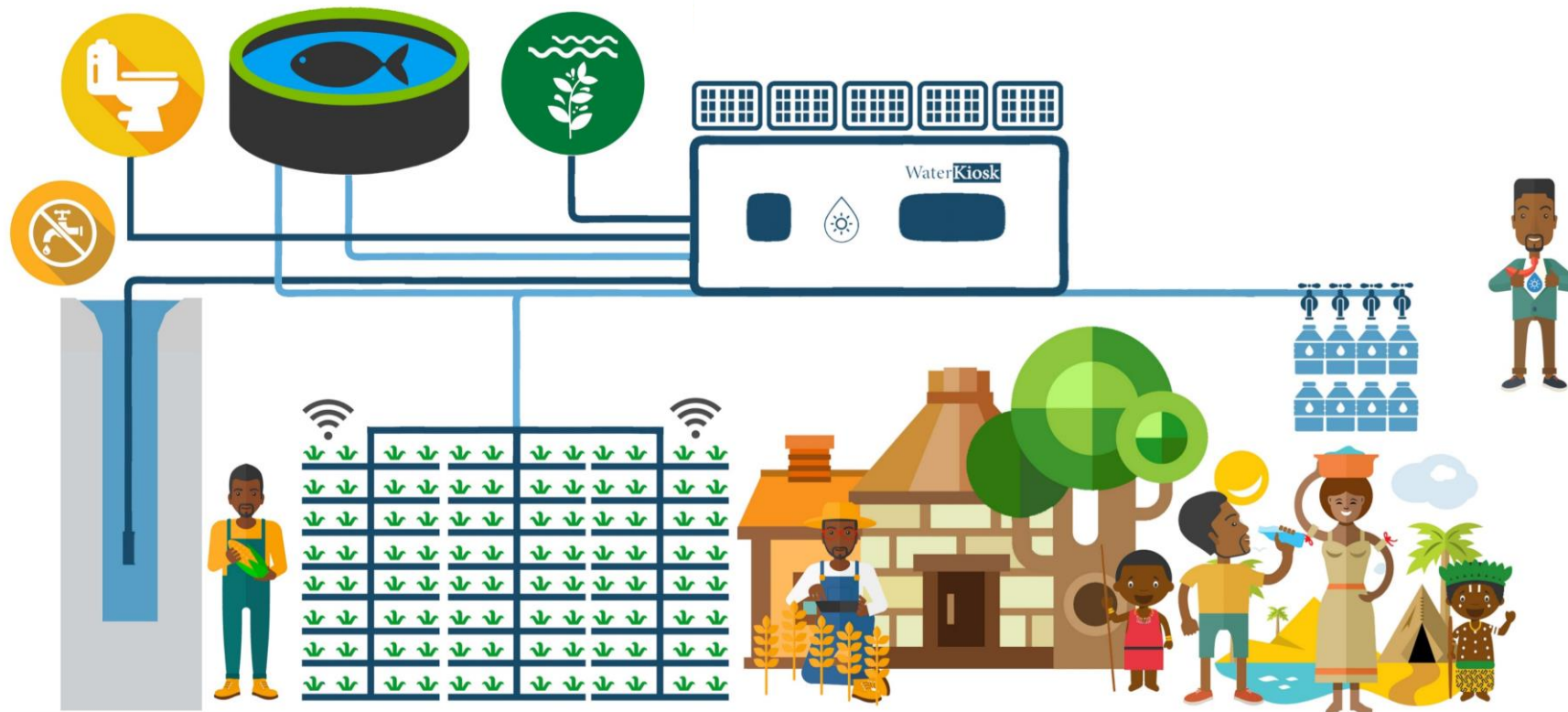
80%

Maintenance



Simple

WaterKiosk®: Holistic Approach



Water for...

- ...drinking
- ...irrigation
- ...sanitation
- ...fish farming



Vertical Farming

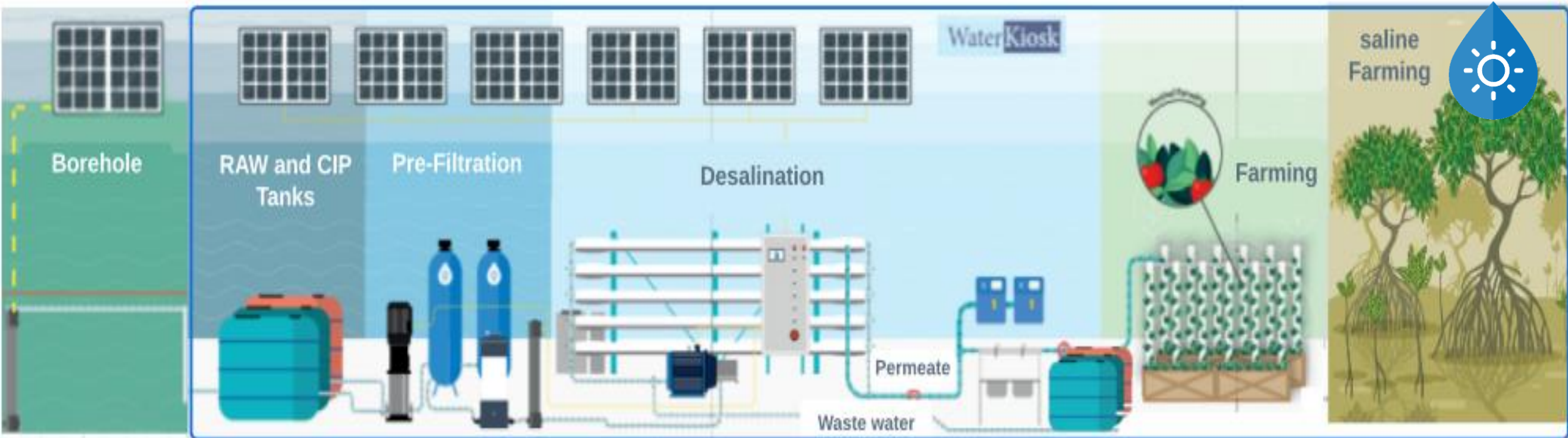
CGH WATER SOLUTIONS



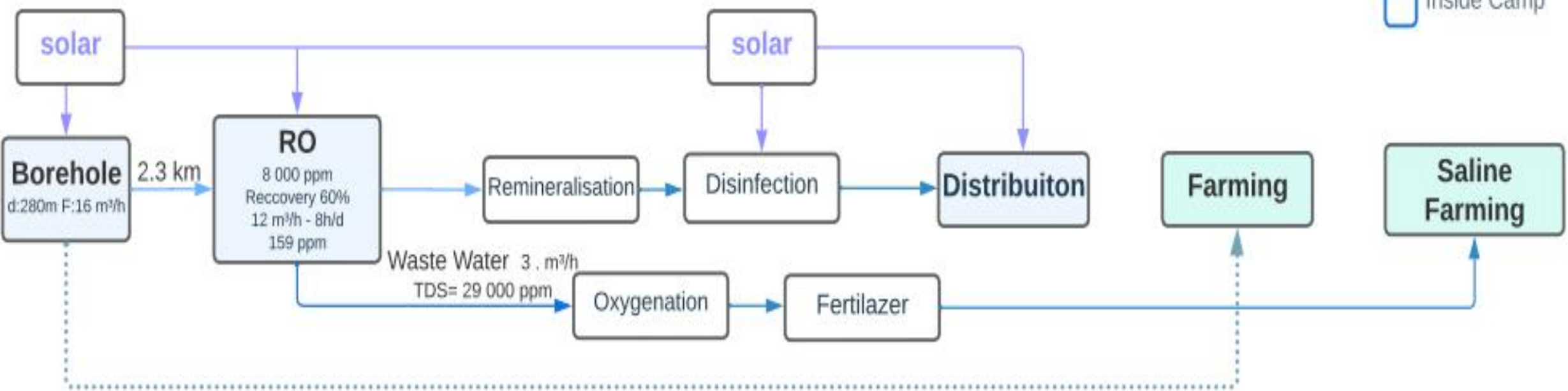
Saline Farming



Water & Food Nexus

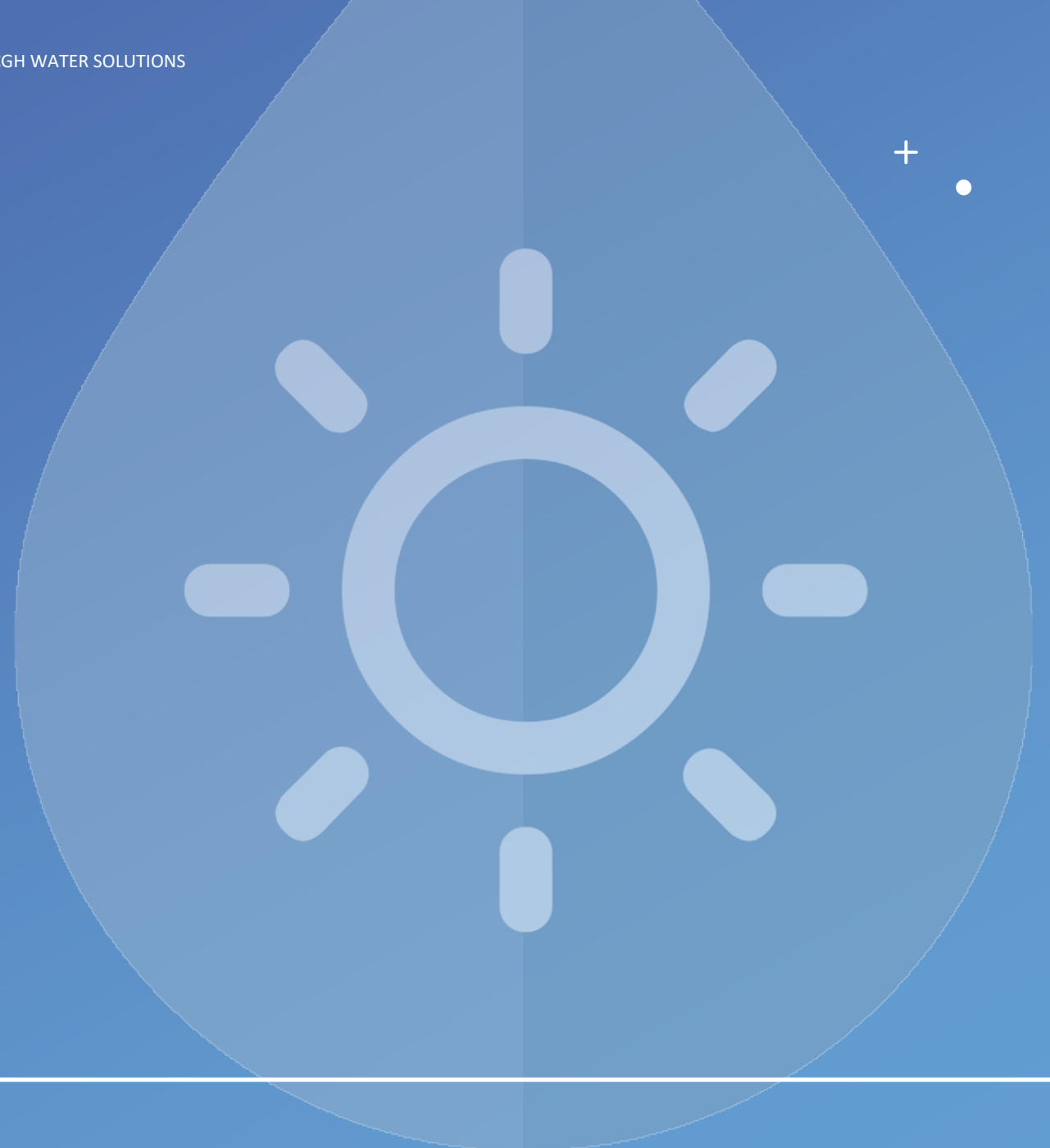


Inside Camp





Case Study





01. Ukraine Project

Details

- 125,000 L/h
- 5 containerized systems connected together

→ Solar powered and hybrid





02. Najaf, Iraq Project

Details

- 45,000 L/h
- Solar and hybrid powered



Najaf



03. Lodwar Hospital Project

No

- Access to Safe Drinking Water – Saline underground water
- No Power Infrastructure

16,000 Beneficiaries






Solution

- Solar powered desalination plant (10 m³/h)
- Off-grid
- → Supply drinking, irrigation, fish farming, sanitation

Vertical farming
→ Using extra
desalinated water

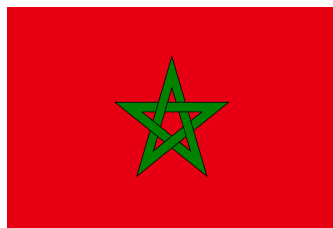
7200 plants (Vertical)
3000 plants (on
ground)





Fish Farm
200 c.m, 4,500 fish

Tractions



Membership	Clients	Achievements
 German Water Partnership Winner /Grant  Future Agro Challenge  giz  Start Up Energy Transition  KFW GWA  dena German Energy Agency  European food nexus Startup Challenge  Attijariwafa bank	 UNIDO  UNHCR  SIEMENS Stiftung  Stiftung  care  OXFAM  Irene und Friedrich Vorwerk Stiftung  think-go climate conscious  atmosfair	<p>210 WaterKiosks operational in 14 countries Morocco, Kenya, Somaliland, Yemen, South Africa, the Philippines, Indonesia, Zanzibar, Colombia, Tanzania</p> <p>450 New Orders received</p> <p>1000 WaterKiosks planned for Africa in 2025 Madagascar, Mexico, Kenya, Kenya, Somaliland, Yemen, South Africa, the Philippines, Indonesia, Zanzibar, Tanzania</p>



Thanks

