

ASK THE EXPERTS

Resilience to the global freshwater crisis: Desalination of salt and brackish water for drinking water supply

30.08.2022

Advanced water treatment systems
for clean, safe and affordable drinking water



Harbauer GmbH

- Main office in Berlin, Germany
- Part of a company group
- Approx. 350 employees
- 50€ Mio. turn around per year
- Drinking water treatment
- Groundwater remediation
- Water Recycling
- Wastewater treatment



Advanced water treatment systems for clean, safe and affordable drinking water

Location: Mali and Niger Time: 2020 (new order for 24 Containers in 2022)



Lack of fresh water in remote located camps

- No fresh water supply
- No wastewater treatment plant
- Delivery of Container based desalination plant (RO system)
- Delivery of wastewater treatment plant in Container



Water Kiosk for public water supply

- Equipment with RO for desalination
- Equiped with GFHaqua or HAPaqua for removal of Arsenic or Fluoride
- More than 500 ATMs delivered
- More than 3000 systems installed



Water Kiosk for rural areas

GAPWAS

German-African Partnership for Water and Sanitation

supported by  

- Storage tank on the roof
- Operated by an employee or with smart metering unit
- Solar panel optional



Filterstation



Inauguration in Kenya

Revers Osmosis (RO) Systems

100 - 300l/h



300 - 500l/h



1.500 - 2.500l/h



Desalination of sea water and brackish water

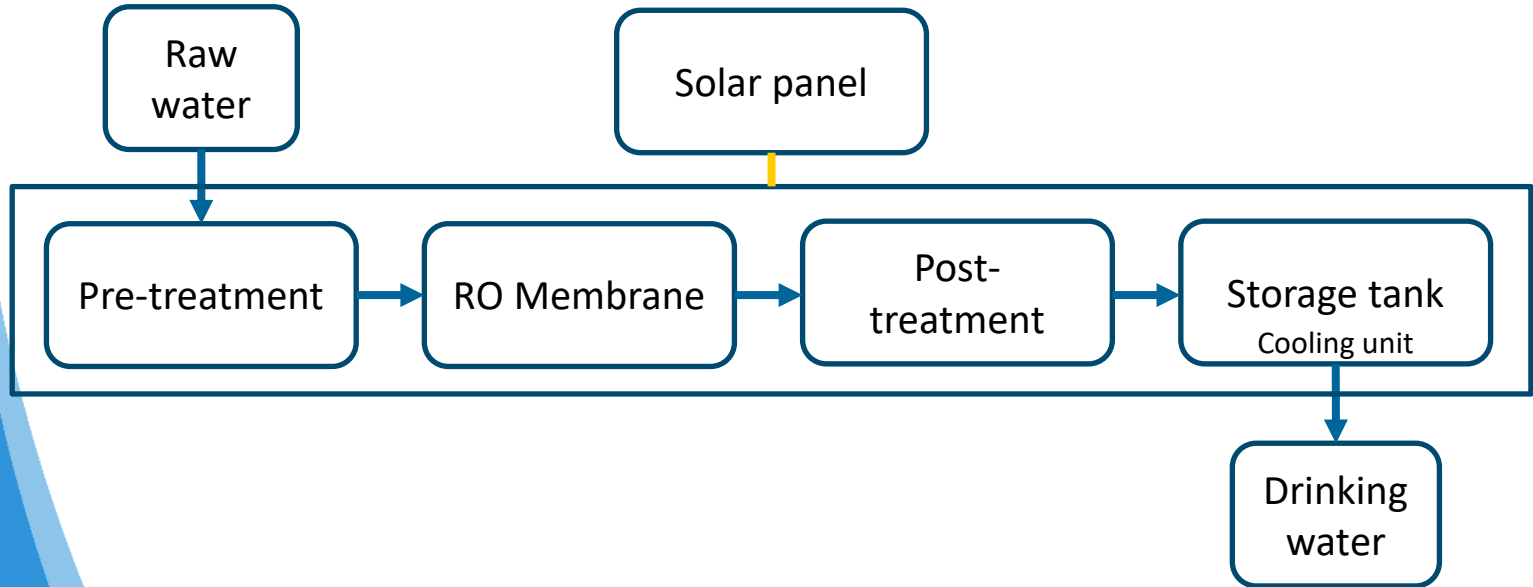
RO Systems for water works

10.000 – 30.000 l/h



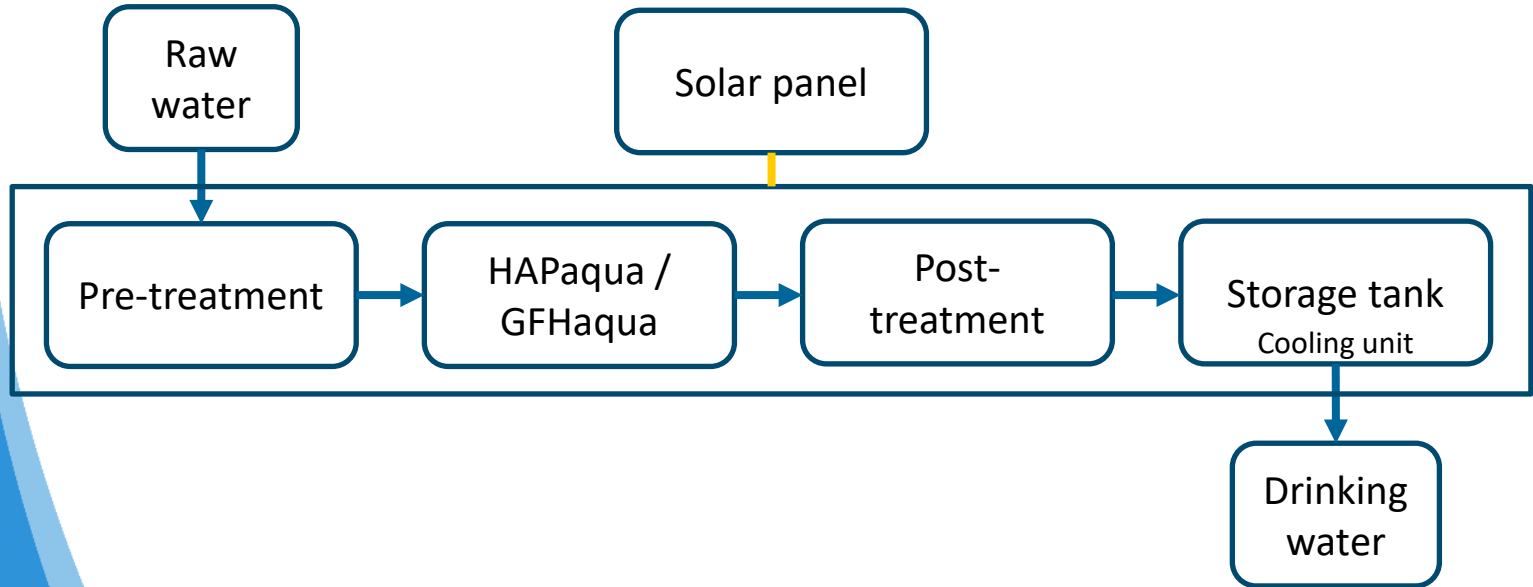
Desalination of sea water and brackish water

Container based RO Systems



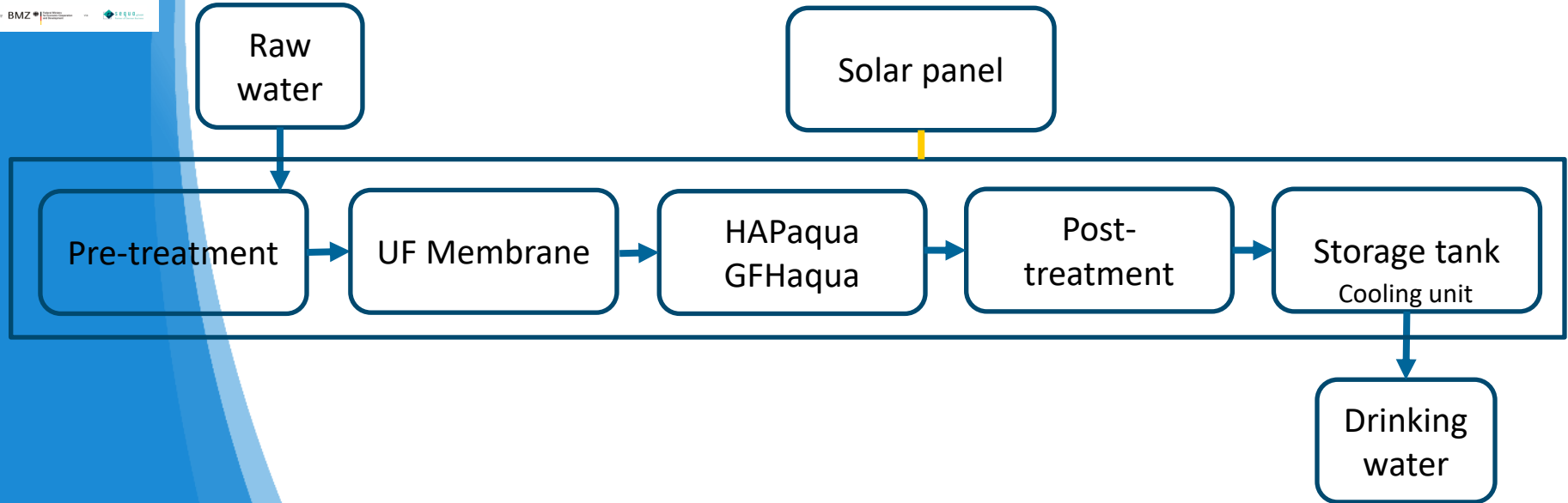
Desalination of sea water and brackish water

Container based treatment Systems



Treatment of contaminated fresh water

Container based treatment Systems



Treatment of contaminated fresh water

Conclusion

- Treatment process depending on raw water quality
- Modular water treatment solutions for
 - Desalination
 - Defluoridation
 - Removal of Arsenic
 - Disinfection
- Solar power Systems for rural areas
- Smart Metering for 24/7 availability of fresh water
- Service and Maintenance incl. Spare Parts

Thank you for your attention!

Any Question?

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**African Water
Association**

