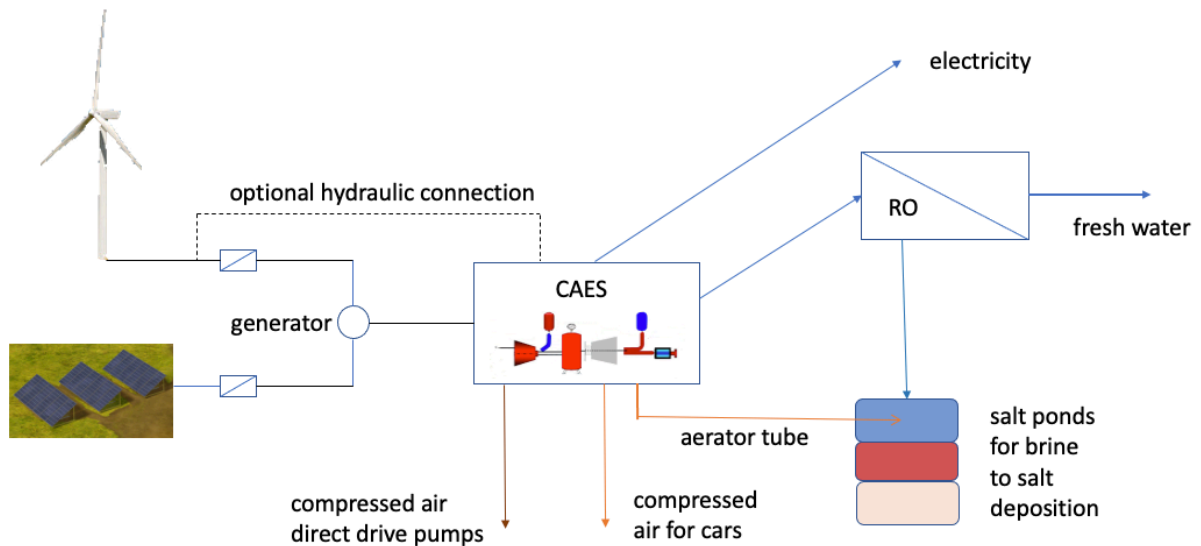


Renewable off-grid energy platform



Solutions for off-grid area's
Renewable energy by CAES for continuous use
Freshwater for agriculture and drinking water
Reverse Osmosis and brine treatment to salt
Compressed air for zero fossil cars
Energy 24/7 for all application
No grid connection

CAES: Compressed Air Energy Storage

Informatie:

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Advantages of renewable CAES off-grid platform

Off-grid for rural and coastal areas

- No investment for distribution and grid connection
- Continuous electricity/energy supply
- CAES: compressed air energy storage
 - waste heat used for other applications
 - alternative: adiabatic CAES
- Freshwater by reverse osmosis process
 - If required salt pond for brine deposition of salt (aerated by compressed air)
- CAES for compressed air drive of other devices
- Most efficient use of solar energy (5h)/ wind (24/7)
- Compressed air cars & trucks: no fuel logistics

Distributed energy and water supply:
fast and economic solution

Renewable off-grid energy platform



Solution for

- Water and energy supply for rural habitats
- Freshwater for agriculture 24/7 with use of gravity
- Reduces the increasing salinity of groundwater
- Combination of solar and wind energy with CAES energy storage:
 - 24/7 energy for affordable costs
 - low maintenance by using of proven technology parts
- Opportunity to modify cars and trucks to compressed air drive: no fossil fuel needed anymore.
- Salt production by aerated brine by solar energy
- Fast solution for rural areas: no expensive grid investment needed