

Case study of Memsys Solar Desalination System in Morocco

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Location and partner

Partner: Green energy park, Morocco,
<http://www.greenenergypark.ma/>

Location: Ben Guerir, Moroco



System layout



Inside the “House”

RO system
with
pretreatment

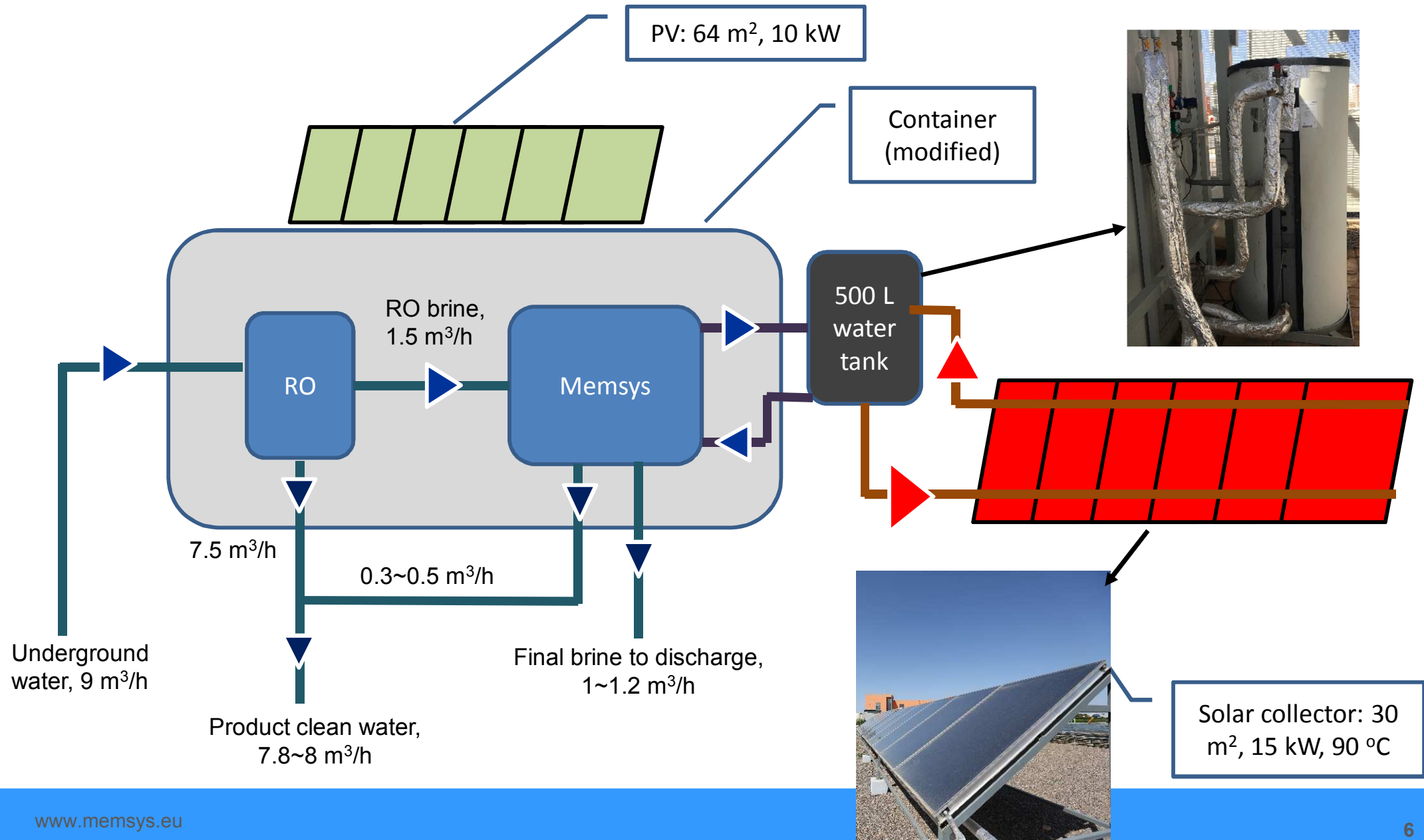


Memsys system

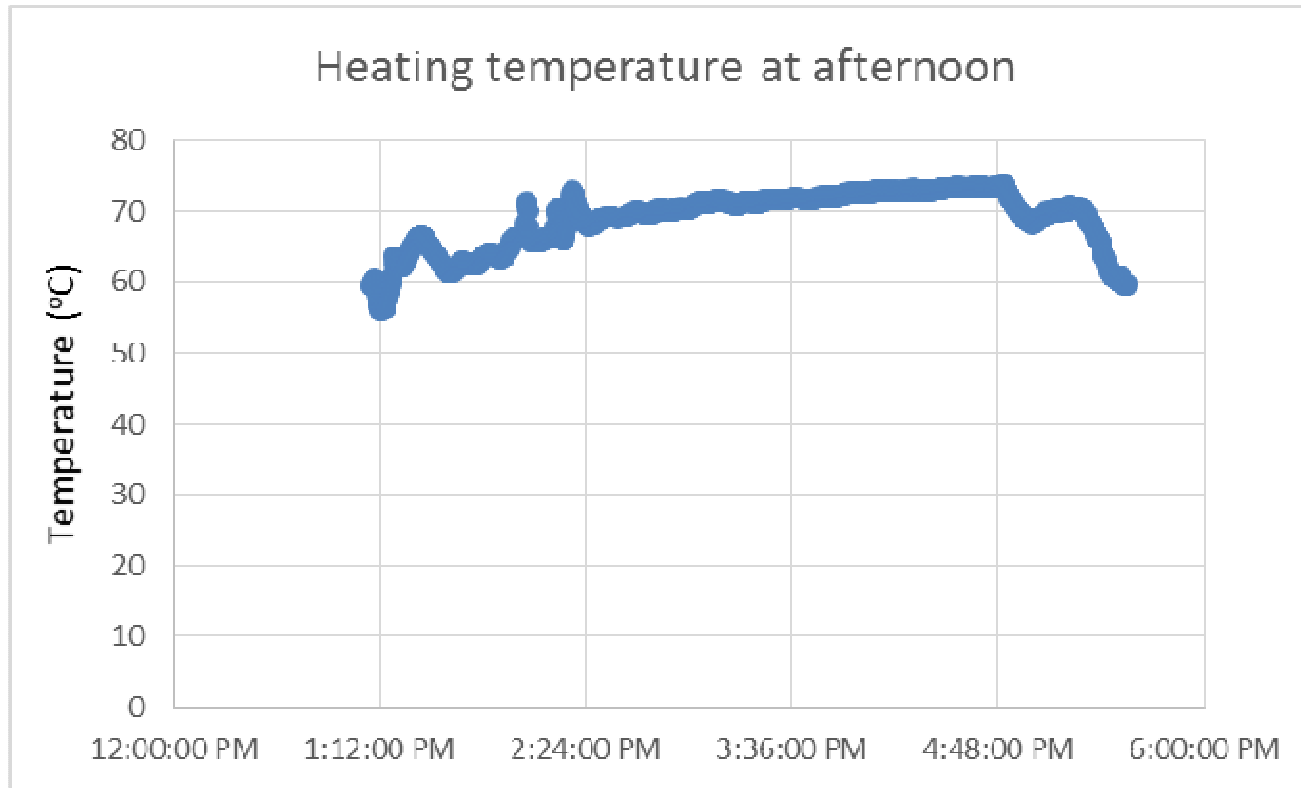
- 4 effect;
- 6.4 m² membrane area;
- 20~50 l/h distillate water;
- Operating temperature 75~80 °C;



Process diagram



Operation data



- **Solar heating temperature** to memsys is depended on the weather;
- In a normal day in **March**, we can get ave. 70 °C hot water to run the MD system;
- The memsys system can produce 25~40 l/h distillate water;