



Energy Park "Ravne" Pag

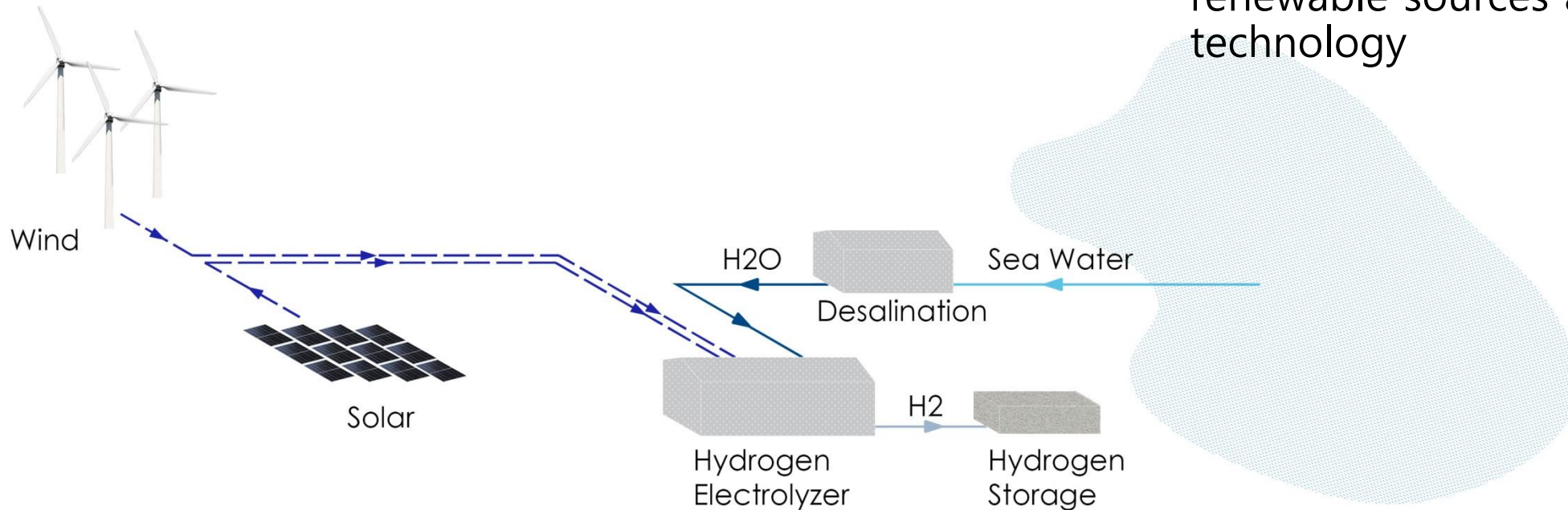
Present facilities



- WF Ravne1 Pag
 - 5MW
 - Build 2005. First in Croatia
 - 6 WTG's Vestas V52, 850 kW each
 - 16 years in production
 - obsolete technology

Our goals:

- To make a production, research and demonstration energy plant
- Acquisition of necessary knowledge and adoption of new technologies
- Show that islands can achieve energy independence and self-sufficiency without CO₂ emissions – with the use of renewable sources and appropriate technology

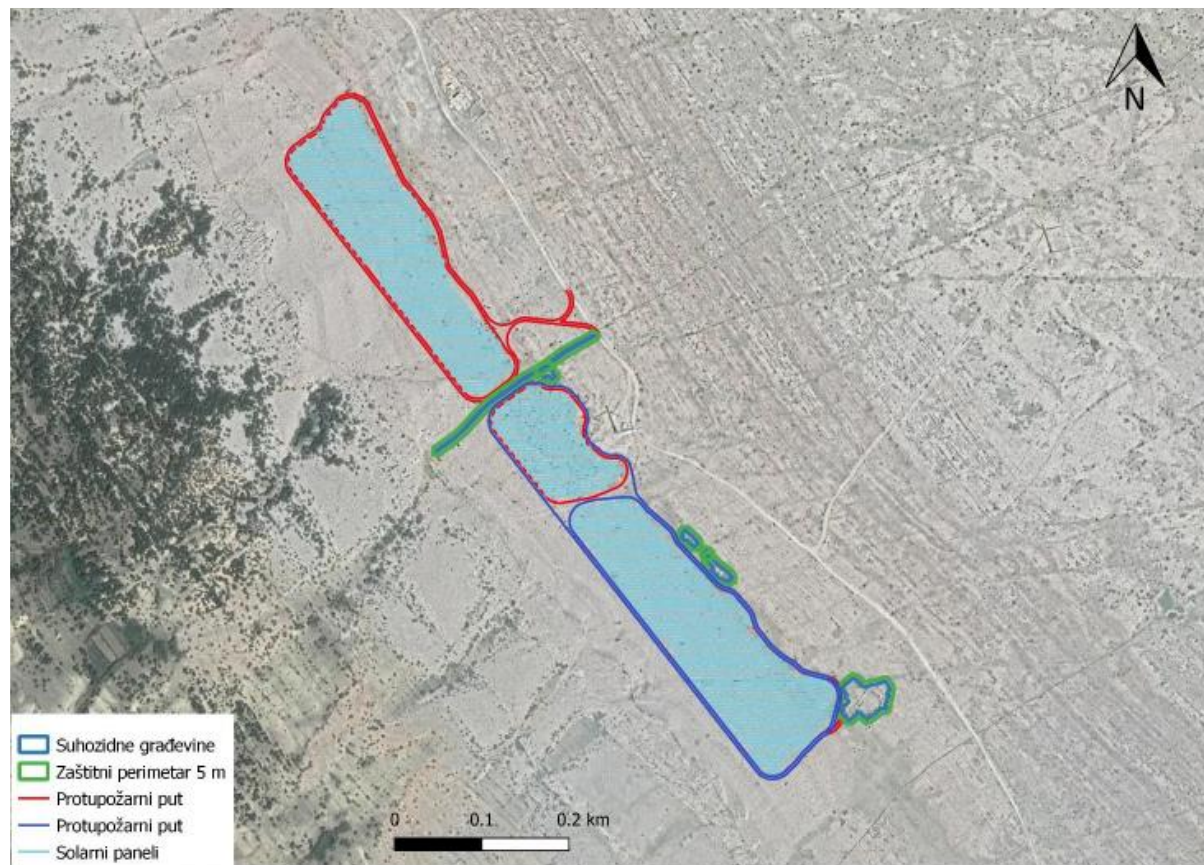


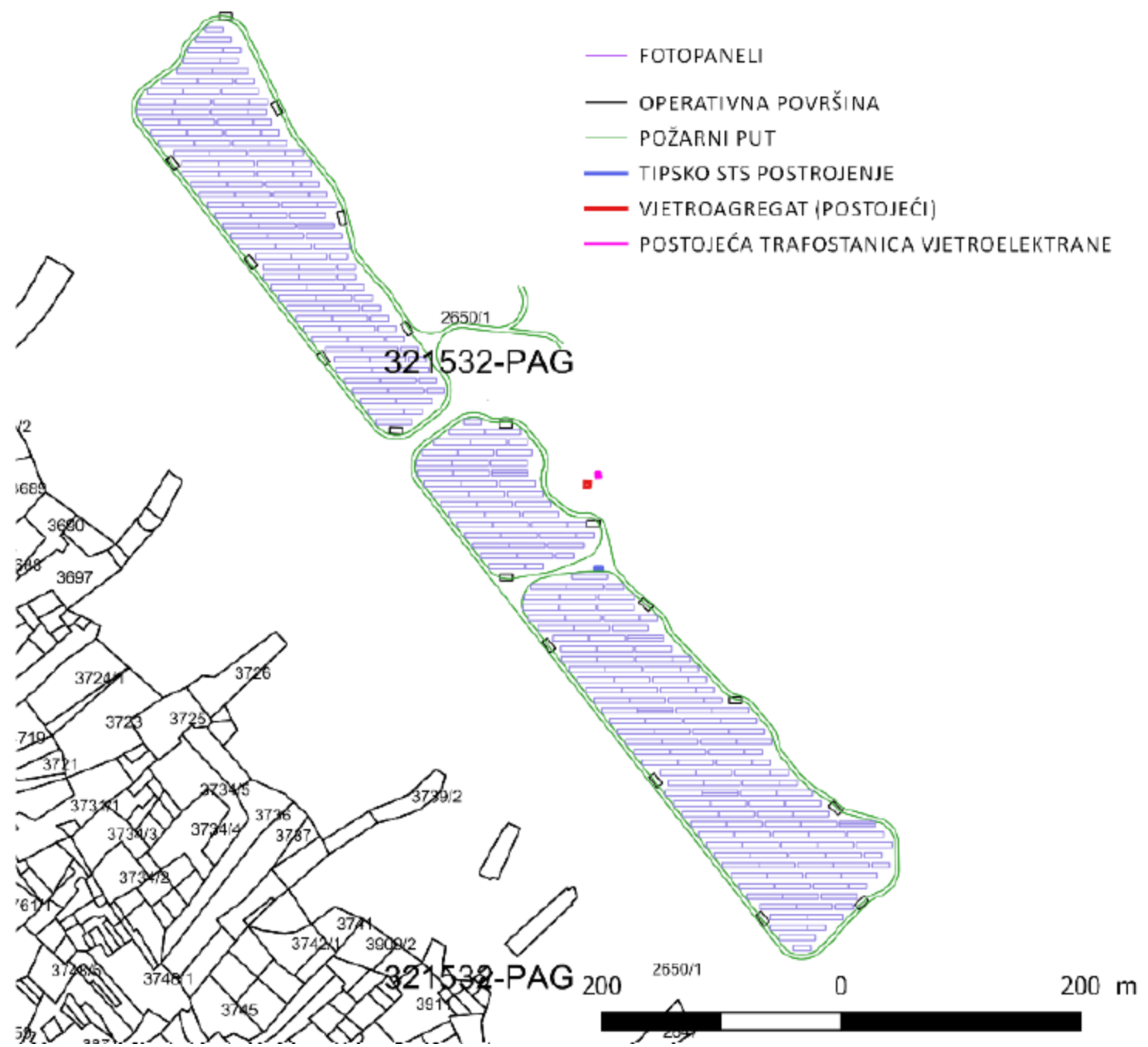
First step



Solar

- 6,3 MW
- Expected energy production per year 9-10 GWh
- EOTRP in process (grid study)
- EZO – finished (waiting MINGOR decision ...)
- Preparation for LP ..

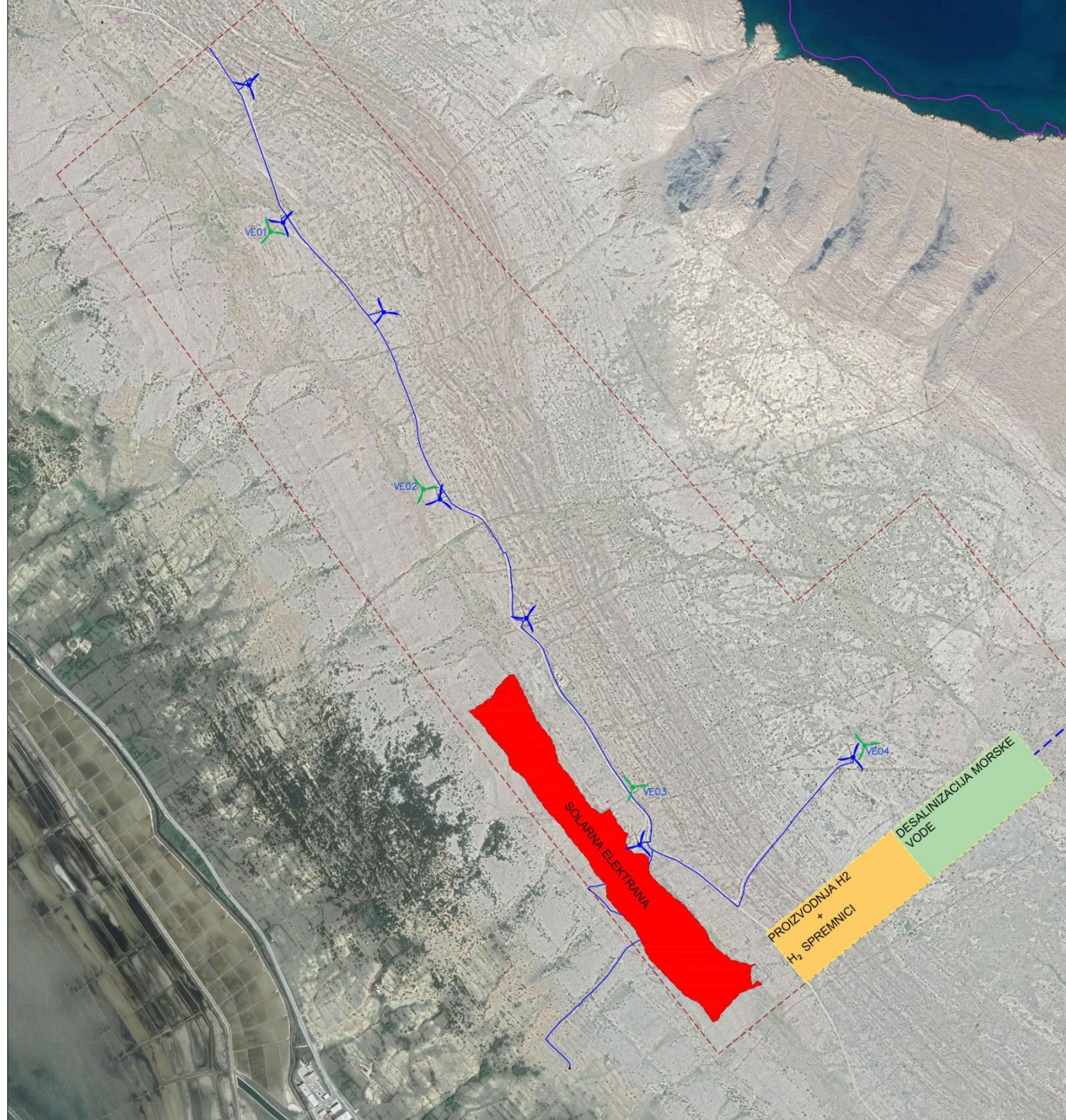




Second step

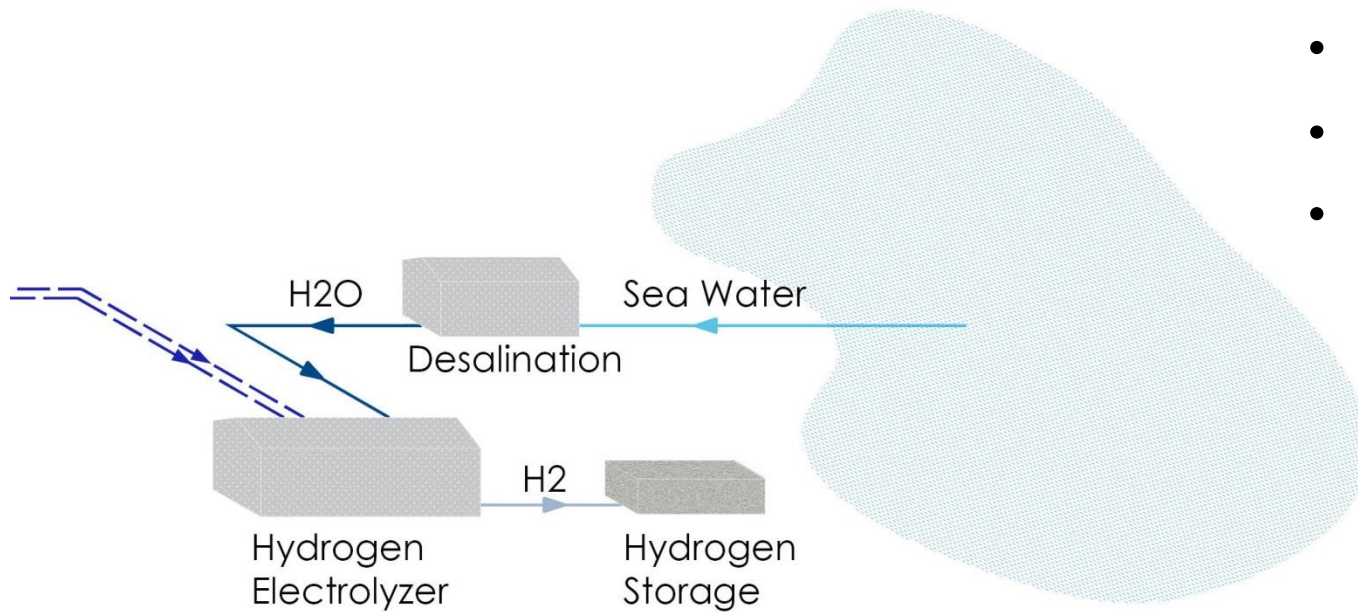


- Repowering
 - Change existing WTG's (6 x V52) with
 - New 4 WTG, 3-4 MW each
 - 12-16 MW total power
 - Expected energy production per year 30-38 GWh
 - Use of existing infrastructure
 - Existing WF Ravne would work until all documentation for repowering is ready (EAS , EOTRP , LP , BP)
 - In parallel, an energy storage plant (battery) will be built.
 - Capacity 3-4MWh

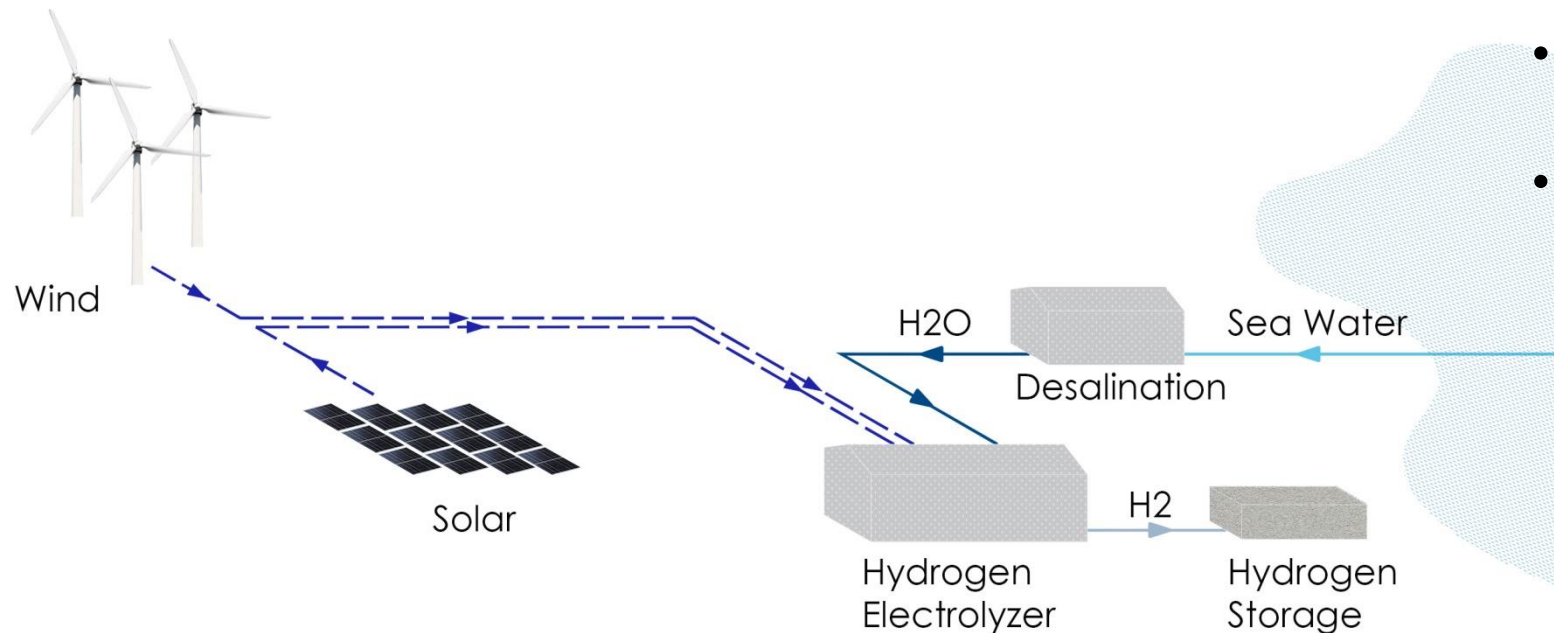


And ...

- Hydrogen production and storage
 - seawater desalination
 - collecting rainwater from existing buildings
- Electrolyser for hydrogen production
- Hydrogen storage
-

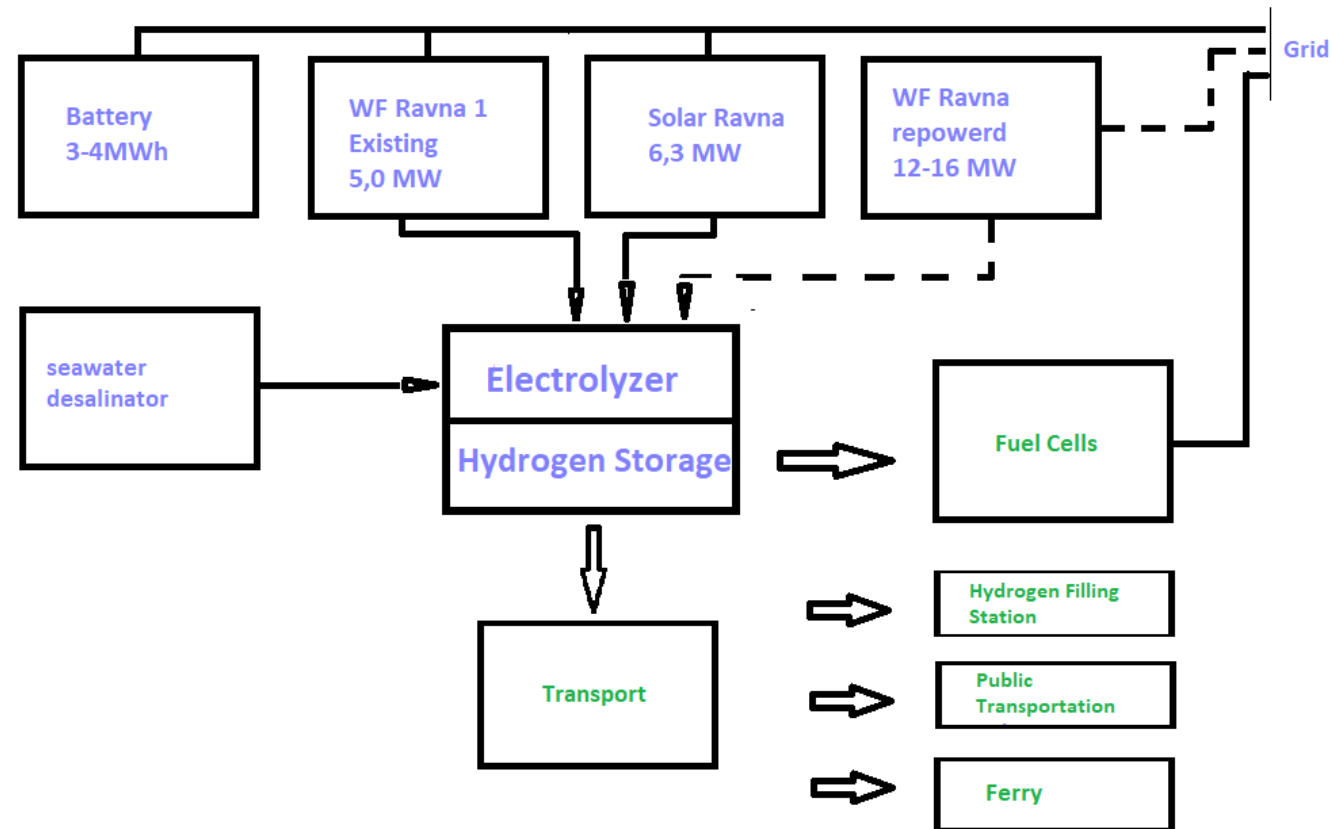


Completed Energy Park



- Energy park with:
 - Various renewable energy sources
 - Various types of energy storage
- To do this :
 - existing legislation will need to be adapted and changed
 - administrative procedures must be reduced
 - the government needs to define goals and priorities clearly

Final phase - use of green hydrogen in transport



Contact

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Thank you for attention