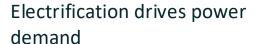
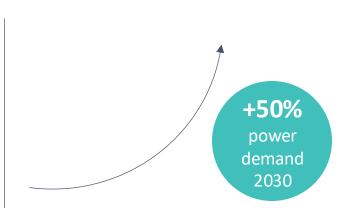


AQUABATTERY empowers net-zero by providing the world's most scalable, safe and sustainable long duration energy storage solution

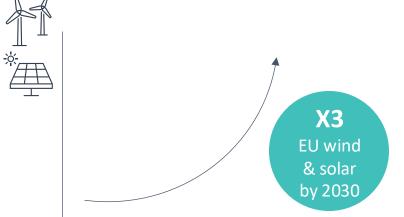
THE WORLD IS WORKING TOWARDS NET-ZERO



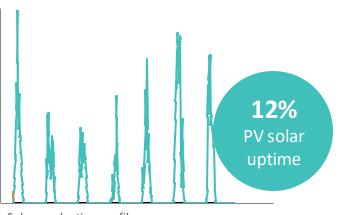




Net-zero ambitions drive high renewables growth

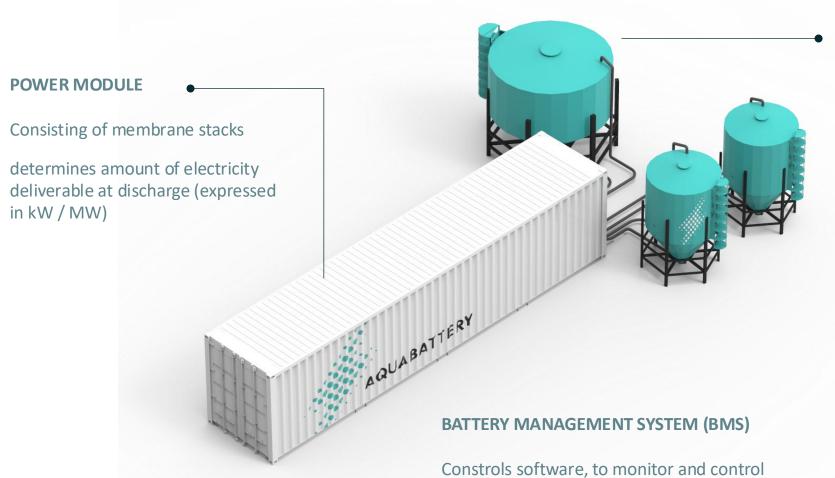


Meaning more power demand with intermittent supply



Solar production profile

OUR STORAGE SOLUTION: STORING ENERGY IN TABLE SALT & WATER



ENERGY MODULE

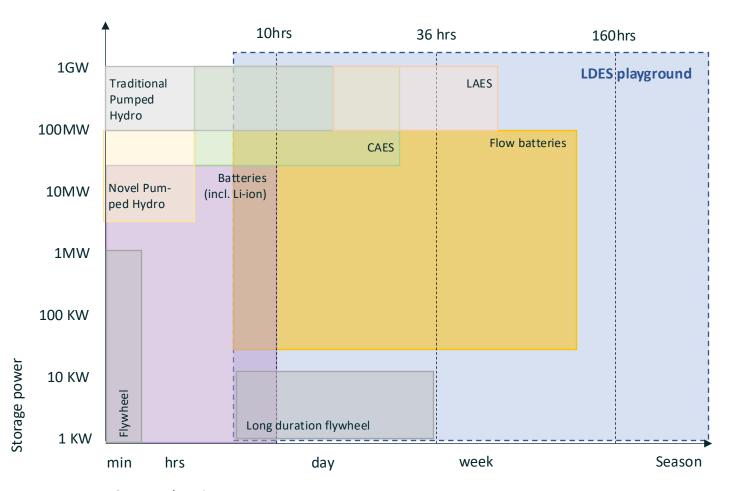
Consisting of reservoirs with saltwater, base and acid solutions

determines amount of electricity contained within the system, and constitutes the duration of electricity delivery (expressed in kWh / MWh)

Constrols software, to monitor and contro system operations



FLOW BATTERIES ADDRESS AN LDES MARKET SEGMENT THAT IS NOT WELL ADDRESSED BY OTHER TECHNOLOGIES



- Traditional Pumped hydro and compressed air storage rely on availability of specific natural circumstances; hence they are only feasible in specific locations and at very large power scales;
- Thermal energy and hydrogen not included in this overview due to their low round-trip-efficiency for electricity storage;
- Li-ion batteries are not fit for the same applications as LDES; however, customers are primarily familiar with Li-ion and hence at present we do consider them an alternative because customers do so.

Storage duration

DEMONSTRATED IN THREE IN-FIELD PILOTS SO FAR

2017



Pilot I: Green Village Delft, NL

Size: 1 kW/10kWh

- Partner: green Village, TU Delft
- Energy storage in concentrated salt water and fresh water has low energy density. Decision to store energy in acid and base

2021



Pilot II: Pantelleria, IT

Size: 1kW/7 kWh (new technology)

- Partner: local energy company
 S.MED.E. Pantelleria
- 50% of energy components purchased locally at site, showcasing local scalability

2022-2023



Pilot III: WSRL, Gorinchem NL

Size: 1 kW/30 kWh

- Partner: Waterschap Rivierenland (WSRL, Dutch water board)
- Technology scaling & battery management system enhancement

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