



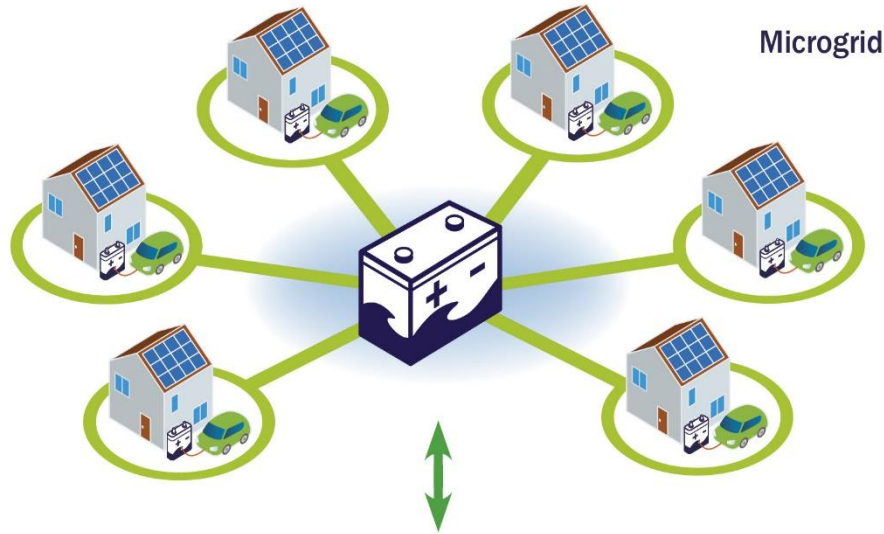
The seasalt battery

Clean and cheap energy storage

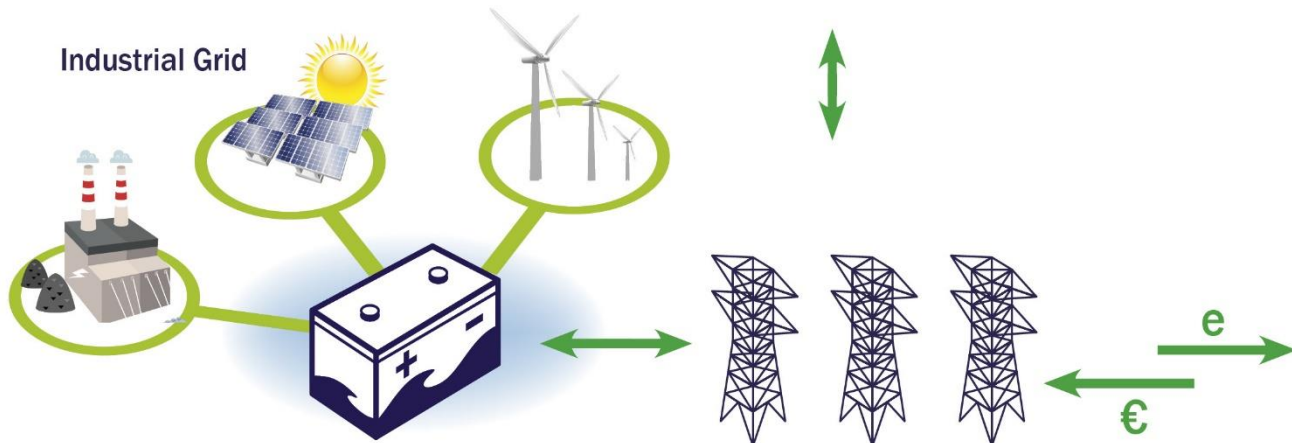


Dr Ten

Storage Systems



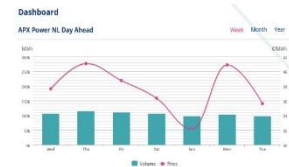
Grid Operators



Seasalt Battery
clean and cheap energy storage

- more electric vehicles
- reliable electricity
- more renewable energy
- lower cost for all
- no grid reinforcement needed

APX Stock Exchange





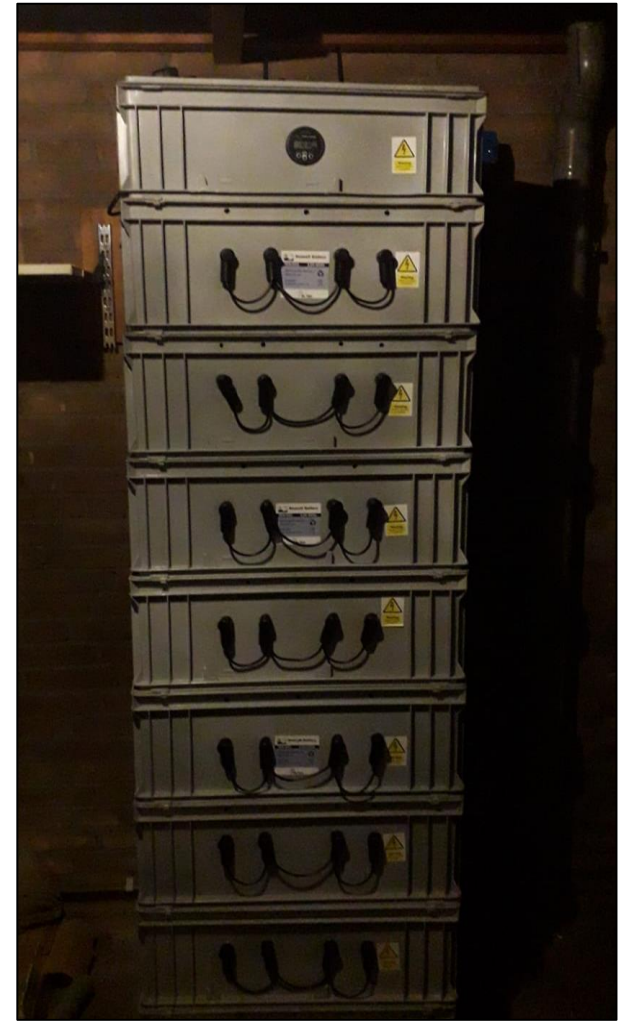
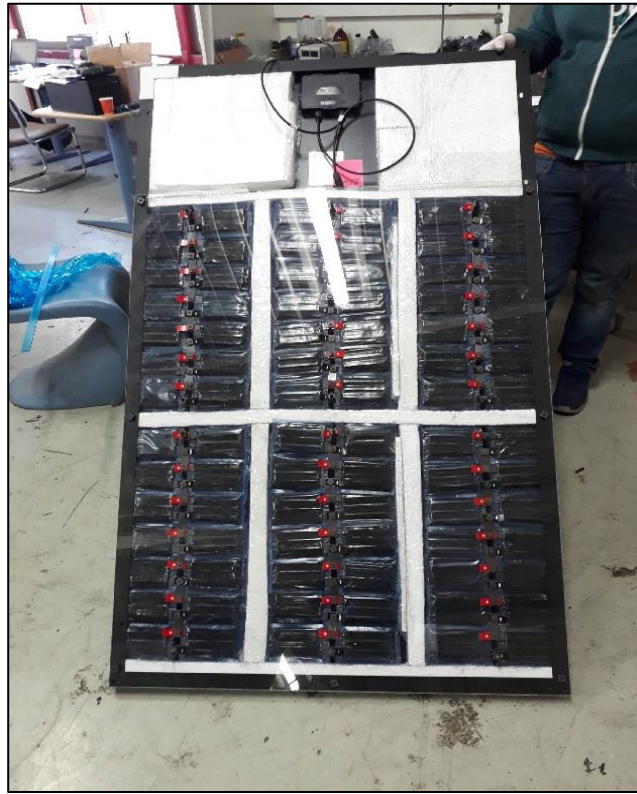
The battery is unique as...

- It can stand high temperatures
- It has a very long lifetime
- It can be discharged 100%
- It can be made from local seasalts, minerals, graphites
- It can be connected directly dc – dc to solar panels
- It uses relative low cost materials
- It uses relatively green materials
- It can be integrated directly with solar panels
- It can use a cradle to cradle production/recycling circle.



Characteristics

Battery estimates	Wh/kg	Wh/l	Cycles	€/kWh buying	€cent / kWh /Charge Cycle	Safe	Toxic	Minerals €/kg	Discharge	Complex BMS Need	Temp Use / C
Stationary batteries											
Lead Acid	20 (50% use)	80	1000	200	20	-	-	2.5	50%	yes	min. 20>50
Flow ZnBr2	50	55	4000	600	15	+/-	+/-	2.5	90-100%	no	min. 10 till 50
Flow Vanadium	20	30	10000	1400	14	-	-	400	90-100%	no	min. 5>55
SeaSalt	35	50	64000 (labtest, no end seen)	175 (mass- production)	2,5	+	+	0-2	90-100%	no	min. 30 > 80
Mobile batteries											
Lithium	60 (50% use)	100 (50%)	2500	800	32	-	-	400	50%	yes	0 to 50





Thank you!