



How Energy Storage is starting to  
rewire the electricity industry

# Sustainable Circular Electricity Storage



Making Sense of Energy Storage



# The Bio Based Battery



## The missing link in Circular & Affordable Electric Storage

- **Electric storage in Sand and Salt** → Plenty off resources, circular, **100% Natural**
- **Unique Non-Corrosive Electrodes** → long life time
- **Loading /unloading at same time** → Increased efficiency
- **Load dumps** → + 4 – 10% for wind + 1 – 5 % for solar efficiency
- **Life time is not based on cycles** → + 15 Years

### Market requirement

Large scale electricity storage required for renewable energy and net stabilization.  
 Demand is increasing faster then production storage systems  
 Other markets are events, refugee camps, mini grids



### Market Target Bio Based Battery

With 0,04% market share enough to achieve € 630.000.000 in 2025 (Europe alone)  
 Other areas around the world demand for storage is similair.



### Realization requirements in million €

R&D Development	5,2	Finalize R&D BBB & Factory
Factory production plant	39	Manufacturing production plants
Start up cost and working capital	25	Investment lab
Start up cost working capital	24,9	Investment production
Liquidity buffer	5,9	
Total funding needed for BBB	100	

### Key Financial Figures BBB Initiative

		Year 4	Year 5	Year 6	Year 7
Sales Batteries in million	€	134	222	472	630
EBITDA in million	€	31	69	164	227
EBITDA/Sales Battery Margin		23%	31%	35%	36%
Net cash flow in million	€	-3	25	78	113
Cash at Bank in million	€	6	31	109	222

Sustainable & Circular

### Info

- Production facility 20.000 M2
- 726 FTE in year 5 production
- Start production in year 3
- 2 years optimizing product
- BBB Capacity 27 KWh → MWh
- 300.000 units 27 KWh systems / year
- 2.500 units 1 MWh systems / year
- Fully automated production
- 28 Kg/KWh 30 KWh/M3

### Information and contacts

Investor relations [wim.hof@suwotec.com](mailto:wim.hof@suwotec.com)

