



Pre-Seed Investment Allocation

Pre-Seed Round

€2,000,000

Stage I-II R&D & Team Expansion

18-month runway to complete 10kW demonstration module

Allocation Overview

Category	Description	Amount (€)	%
<input type="checkbox"/> Team	R&D engineers, technicians, operations	€700,000	35%
<input type="checkbox"/> Equipment	Lab equipment, testing infrastructure, tools	€500,000	25%
<input type="checkbox"/> Materials	Raw materials, prototyping components	€400,000	20%
<input type="checkbox"/> IP & Legal	Patent filings, legal, certifications prep	€200,000	10%
<input type="checkbox"/> Operations	Facilities, overhead, contingency	€200,000	10%
Total Pre-Seed		€2,000,000	100%

Detailed Breakdown

Team (35%)

€700,000

- 2× Senior R&D Engineers
- 2× Lab Technicians

Equipment (25%)

€500,000

- Electrochemical testing stations
- Cell assembly equipment

- 1× Project Manager
- Founders' operational costs

- Flow system components
- Measurement & analysis tools

☐ **Materials (20%)**

€400,000

- Zinc & manganese compounds
- Carbon electrode materials
- Electrolyte chemicals
- Prototyping supplies

☐ **IP & Legal (10%)**

€200,000

- 3 patent applications (PCT)
- Legal & corporate structure
- Pre-certification testing
- IP monitoring & protection

Milestones & Deliverables

Milestone	Timeline	Deliverable
M1: Team Assembled	Month 3	Core R&D team hired, lab operational
M2: Stage I Complete	Month 6	100W module validated, 1,000+ cycles
M3: Patents Filed	Month 9	3 provisional patents submitted
M4: 10kW Design	Month 12	Stage II design finalized, BMS spec
M5: 10kW Prototype	Month 18	Working 10kW demonstration module



Exit Criteria: 10kW demonstration module achieving 75%+ energy efficiency with validated performance metrics, ready for Seed round to fund Stage III pilot.

Future Funding Roadmap

Round	Amount	Stage	Key Activities
Pre-Seed	€2M	I-II	R&D team, 10kW demo
Seed	€5-7M	III	100kW pilot, field testing

Series A	€15-20M	IV	1MW system, production line
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