Cleantech Capital Day 2022 **Teraloop** Dr. Meri Lundahl

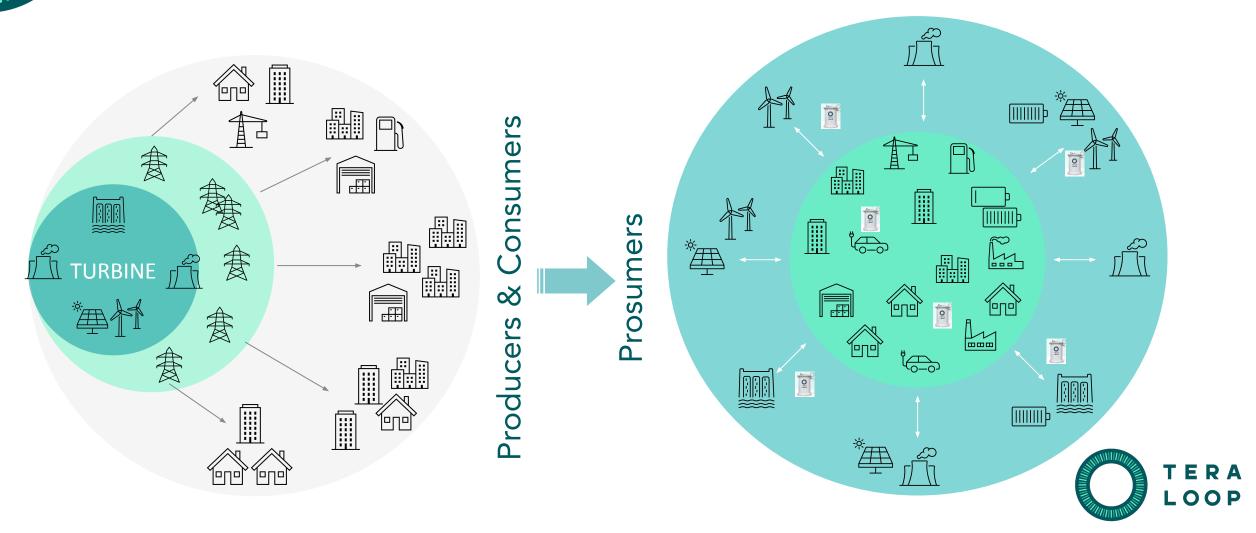






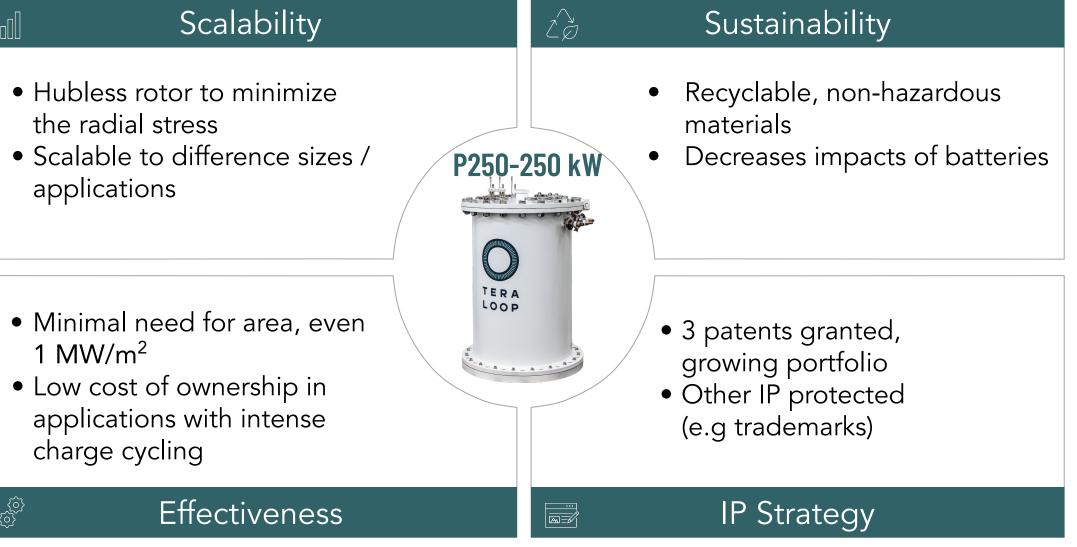
The energy transition needs power management

The transition from centralised to decentralised energy systems generates needs for additional flexibility in the energy grid





Teraloop's solution



Growing, multinational team of committed, enthusiastic, experienced engineers, business experts



Antonio Capristo Chief Executive Officer 4 startups on 4 continents



Edward Ridgway Watt Chief Development Officer 25-year expert in deeptech & electrical engineering



Angelo Prete Chairman of the Board 20 years of experience in renewable energy



Philippe Pépin Chief Operations Officer *Co - Founder, IP lawyer*



Markus Merilä Chief Engineer Multidisciplinary engineer



Meri Lundahl Chief Sustainability Officer PhD in Material Engineering



Target market

Operators of distributed energy systems



Battery co-location



Renewables co-location



Industrial Processes

Increase the battery's lifetime and utilisation by >20% Participate in grid flexibility markets and regulate the output Avoid outages and voltage sags until backup generation activated

Total addressable market >66 B€ Serviceable addressable market >20 B€ Serviceable obtainable market >300 M€





Business model

Device assembly and sales with distribution partners to customers

Examples on pilot customers (deployment in 2023):

- Virtual power plant operator
- Utility
- Industrial plant

Clients make/save money through

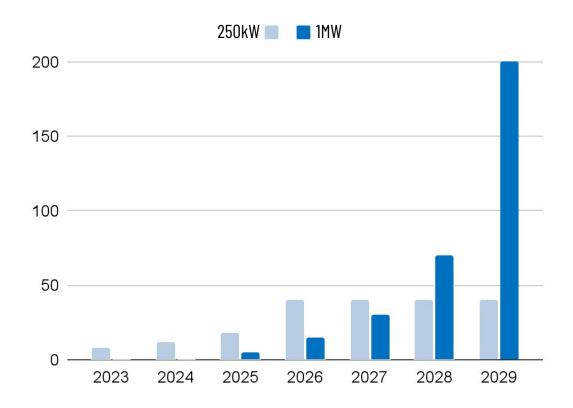
- Decreased need for battery replacements
- Ancillary services



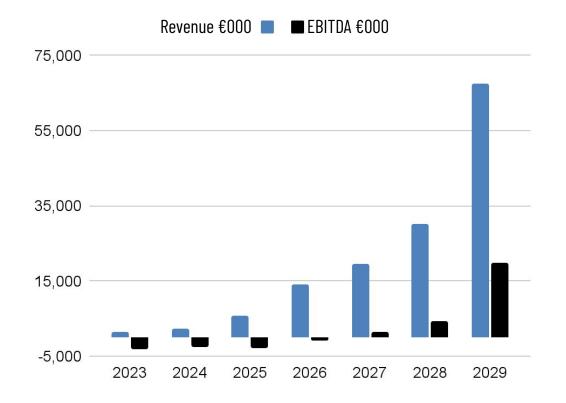


Sales and revenue projections

Unit sales from pipeline



Revenues from obtainable market





Opening series B financing round in 2023 Looking forward to changing the energy system together

TERA

TERA LOOP

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Adding significant value

Either as standalone, or co-located with batteries

	Lithium Batteries	Flywheels	Teraloop	
Scalability	Modular	Limited by radial stress Mechanical fatigue	Hubless design Modular	Lithium batteries ideal for energy storage
Effectiveness	30 - 185 kW / m2 High O&M due to heating	< 200 kW / m2 Medium O&M	1 MW / m2 Low O&M	
Sustainability	Requires critical raw materials (Co, Li) Not recyclable	Long lifetime High recyclability	Long lifetime High recyclability New rotor materials	Colocation with Teraloop's hubless flywheel extends battery lifetime
Total Cost	High	Medium	Low	TERA