

ZINC-ION BATTERIES: REVOLUTIONARY BUILDING BLOCK FOR CLEAN RENEWABLE ENERGY

enerpoly

BEPA
Batteries European
Partnership Association

**EUROPEAN
BATTERY
ALLIANCE** | EBA250



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Co-funded by EUREKA member countries and the European Union Horizon 2020 Framework Programme, project ID 2378.

Received funding from the Swedish Energy Agency Batterifondsprogrammet, project STEM 50116-1.



Affordable

35% cost savings



Safe, non-flammable

UL 9540A tested



Scalable in use & production

Manufacturing similar to Li-ion



Sustainable

80% less CO₂



Recyclable

Uses existing infrastructure

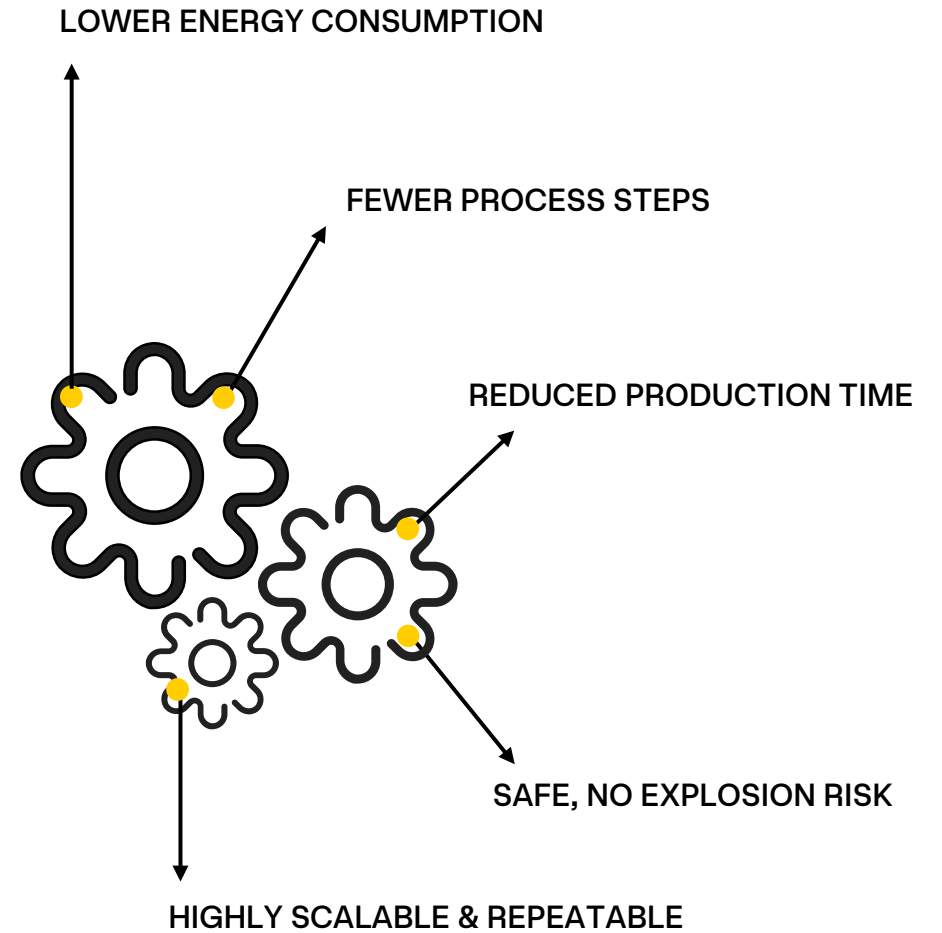
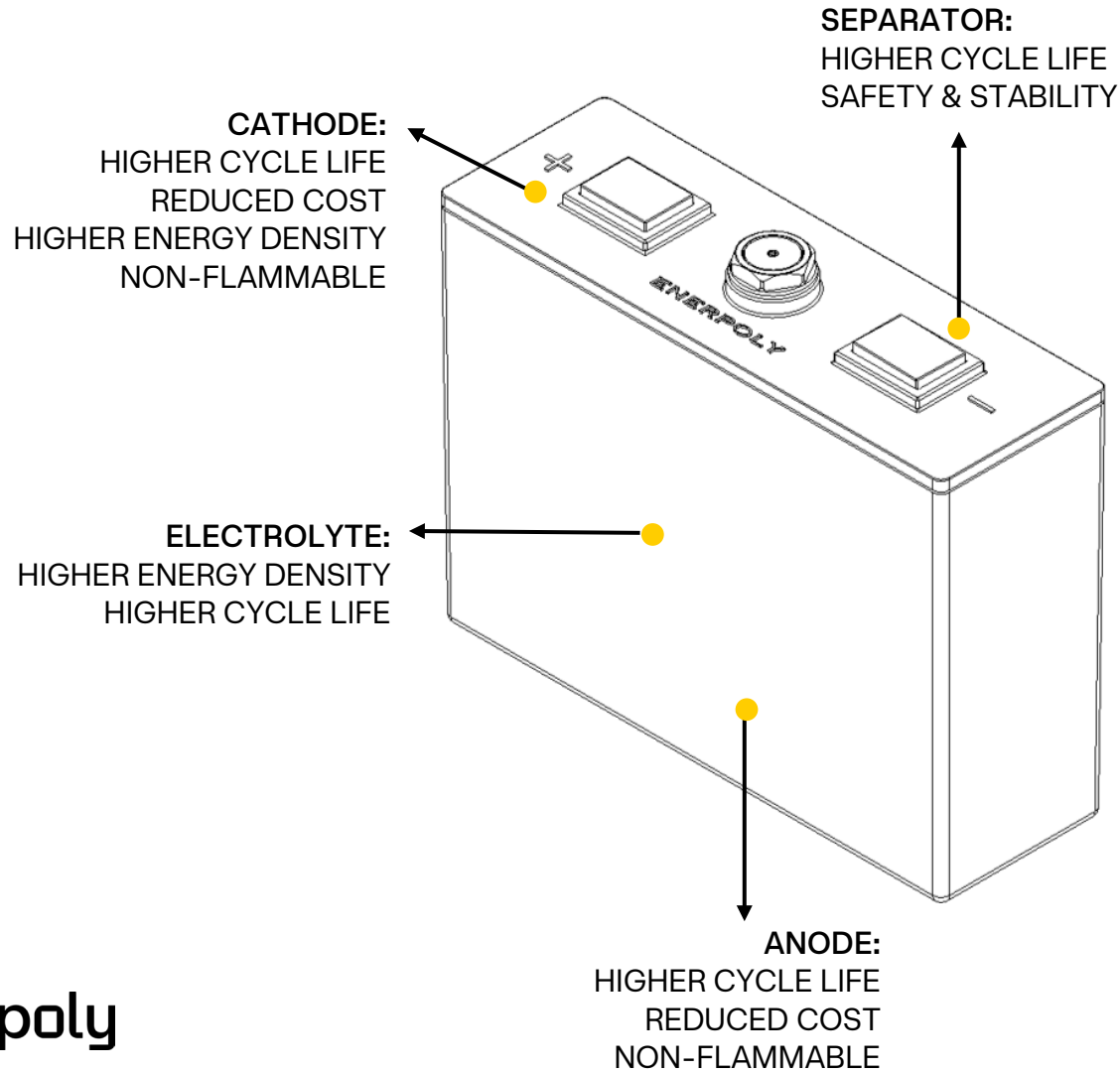


Reliable supply, globally

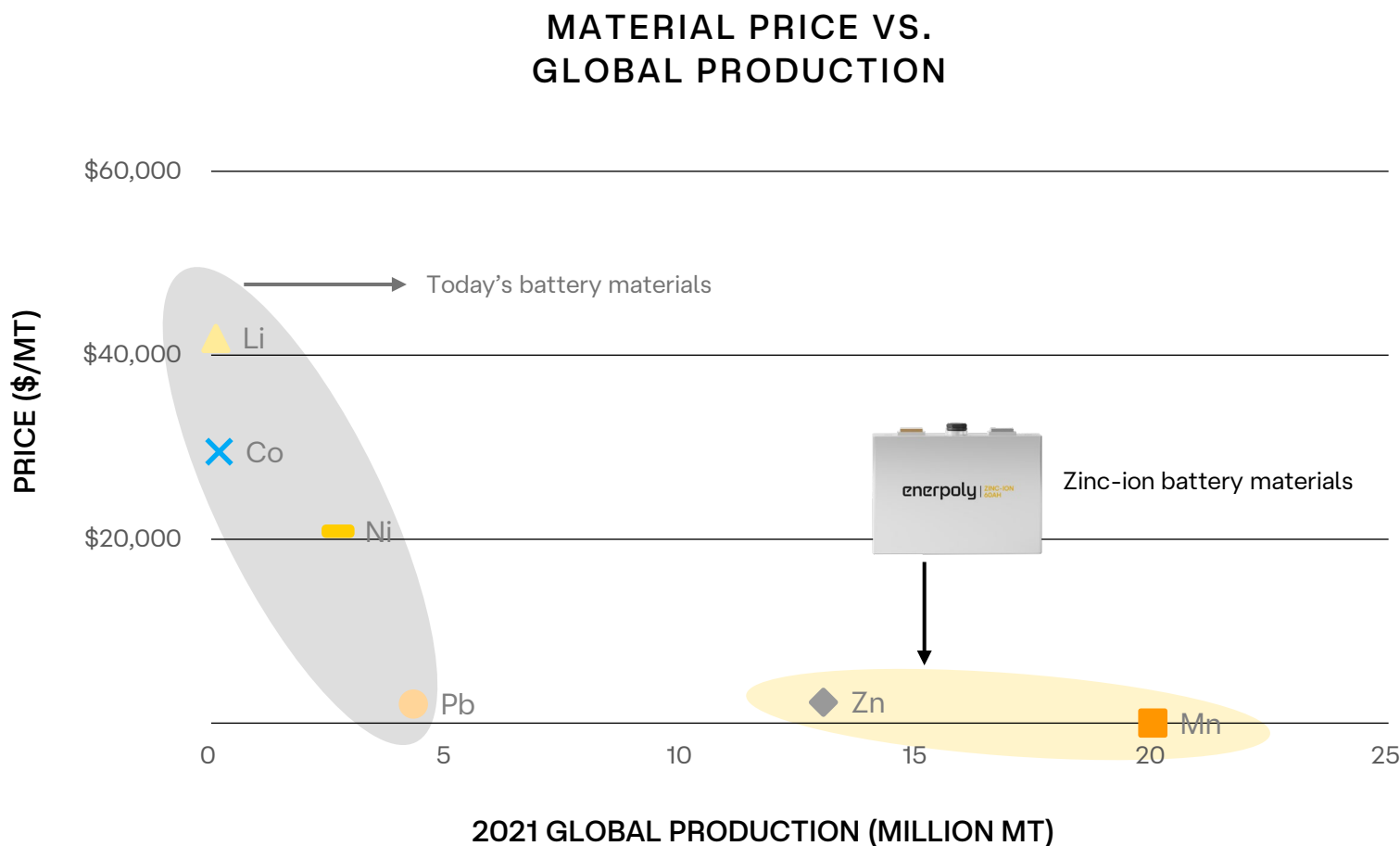
130x higher material availability



PROPRIETARY INNOVATION IN PRODUCT & PROCESS



LOW-COST, EXISTING MATERIALS & STABLE SUPPLY CHAIN



REDUCED ENERGY CONSUMPTION IN MANUFACTURING

ELECTRODE FABRICATION



NO TOXIC SOLVENT

CELL ASSEMBLY



NO DRY ROOMS

FORMATION

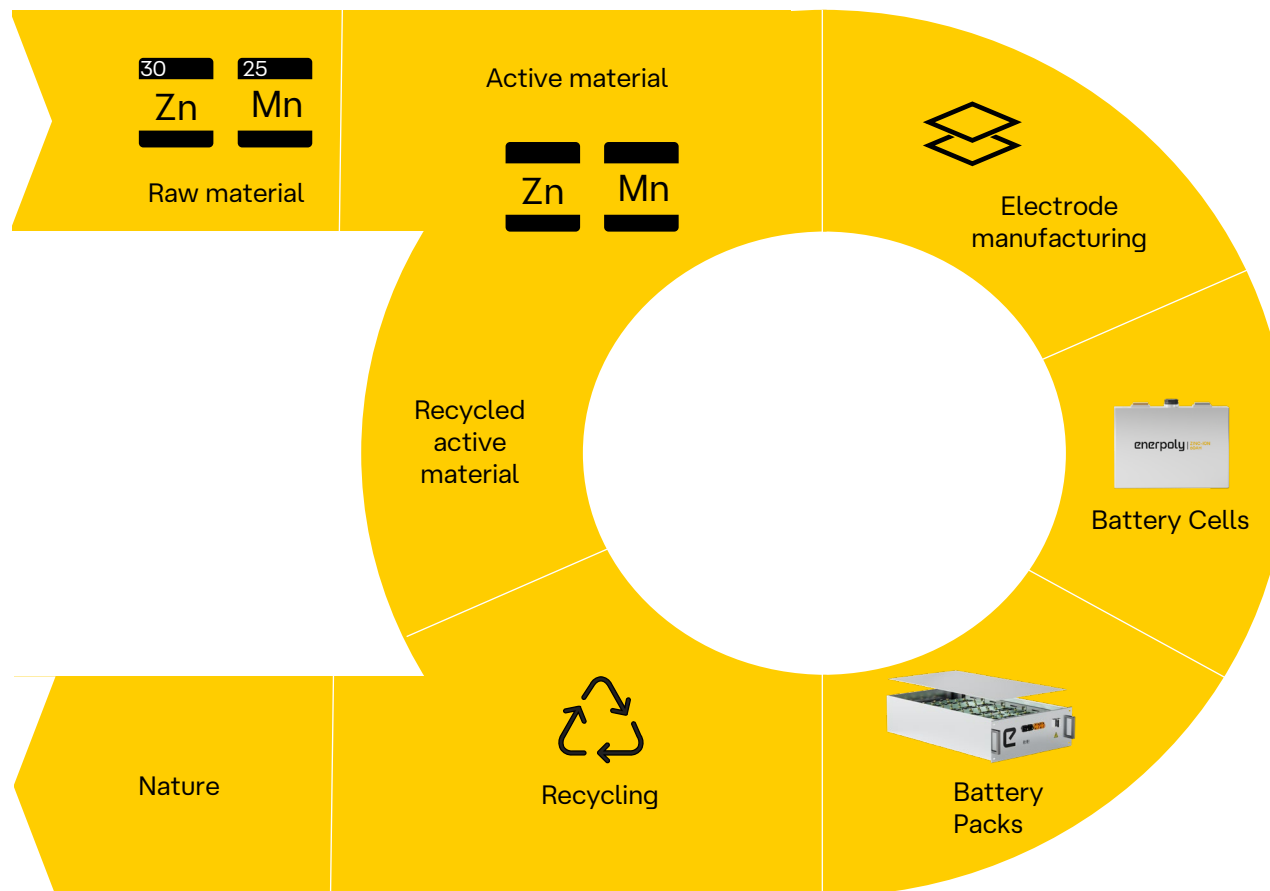


FASTER FORMATION

CIRCULAR BY DEFAULT

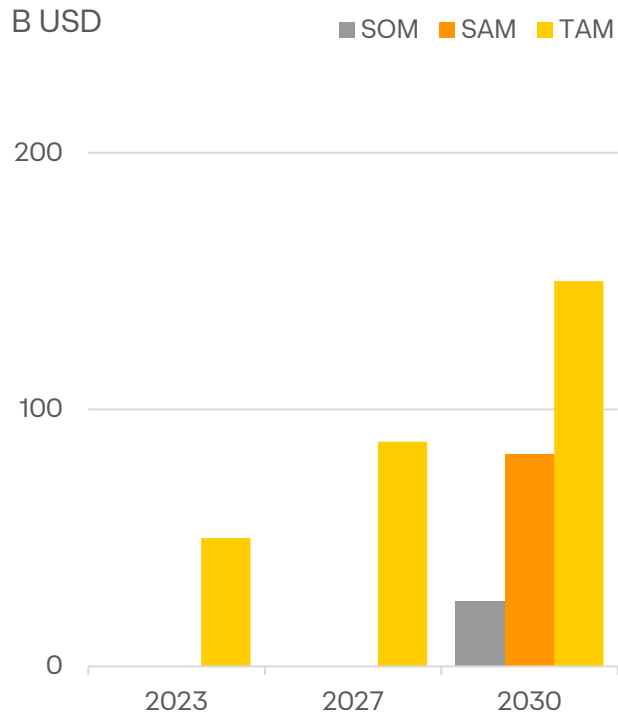
EXISTING CIRCULAR INFRASTRUCTURE

- 100% recyclable, 93% reusable
- High collection and EoL recycling rates
- Many industrial and technical EoL uses
- Can be returned to nature in fertilizer

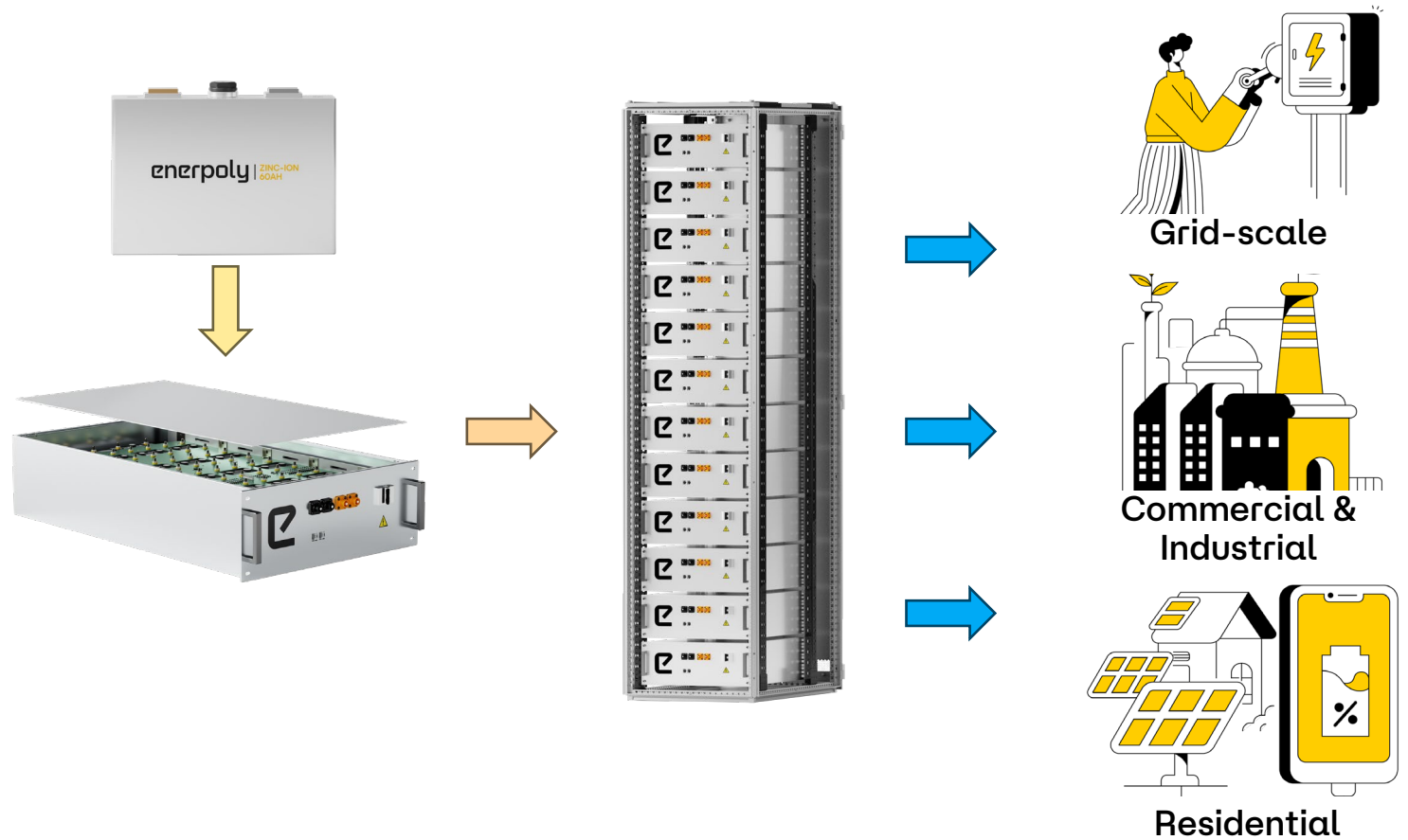


CAPTURING A LARGE AND GROWING MARKET

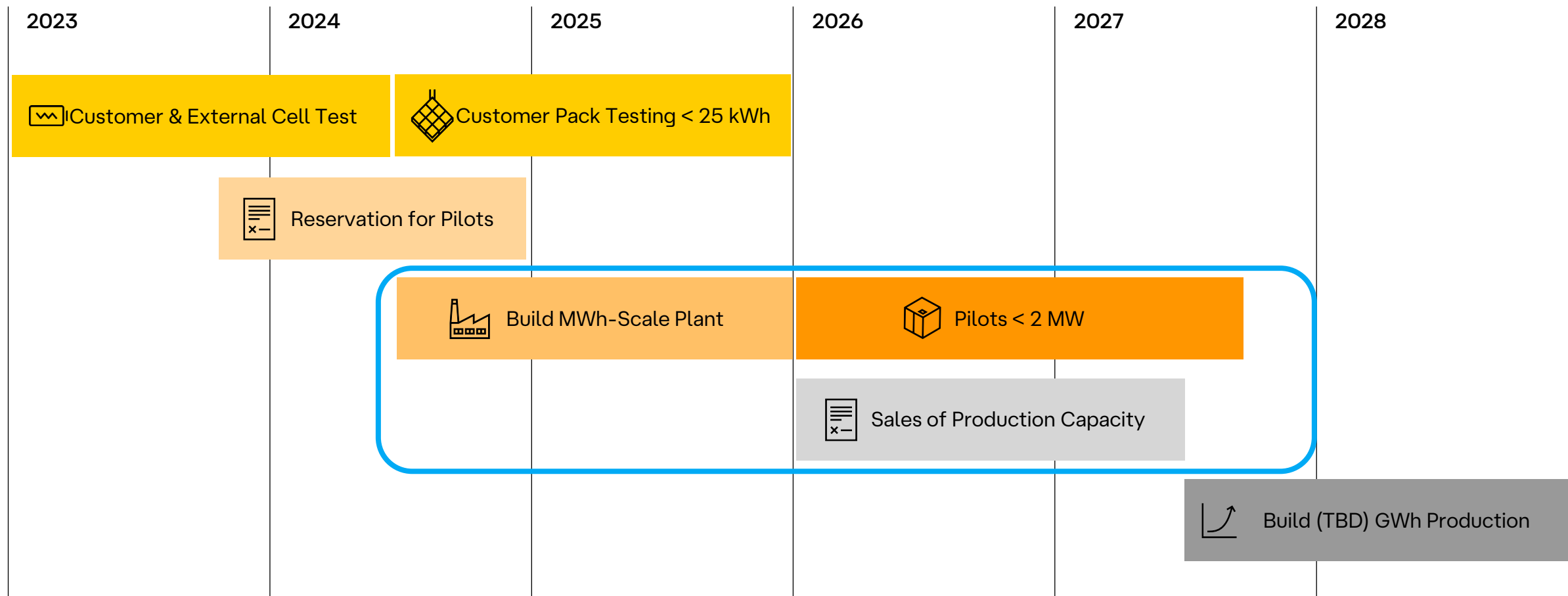
Stationary ESS €150B by 2030



Customer pipeline constitutes >35% of global ESS market share



SEEKING SERIES A FOR QUALIFICATION PLANT



COMPANY & TEAM

Experience, vision, and execution

MANAGEMENT



Eloisa de Castro
CEO



Dr. Mylad Chamoun
CTO



Dr. Samer Nameer
CSO (Sustainability)

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AWARDS & ASSOCIATIONS



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THANK YOU

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