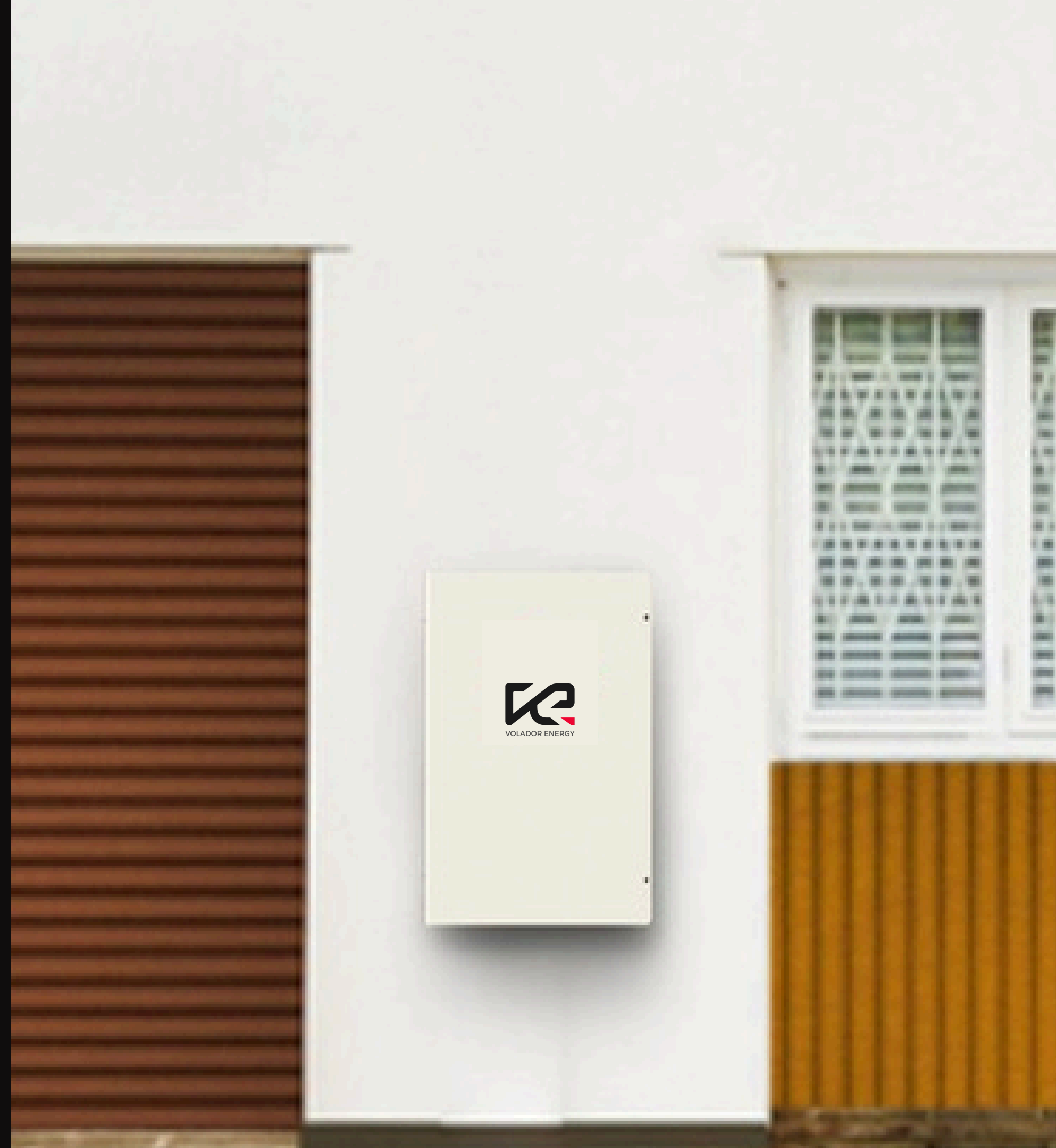


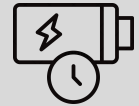


Next Generation Modular Long Life Energy Storage

Sachin Ramesh
Founder and CEO



CURRENT SOLUTIONS LIMITING BESS* POTENTIAL



SHORT LIFESPAN

Current BESS solutions last only 8–10 years, limiting long-term ROI



FIRE HAZARD

Battery fires in 2024 increased by 93% since 2022, costing UK over £1bn.



SCALING ISSUES

Despite a 52% growth in 2024, BESS deployment continues to lag behind accelerating demand.



RIGID

Adapting current BESS across sectors is complex, costly, and sector-specific.



*BESS - Battery Energy Storage System



OUR SOLUTION



Built around adaptability, not dependency, our technology works seamlessly with any battery cell or chemistry. We focus on casing architecture and intelligent BMS to deliver a universal, future-proof energy platform across all applications.



FULLY REPAIRABLE TO CELL/MODULE LEVEL

Cell-level repairability through proprietary battery technology, lowering lifetime and operational costs.



MODULAR /SCALABLE

Modular battery design with small modules and semi-modules for easy scaling from 25 kWh to MW capacities.



UP TO 40% INCREASE IN BATTERY LIFE

With optimal thermal and battery management



UP TO 35% BETTER PERFORMANCE AND EFFICIENCY

Using our proprietary technology including battery casing, immersion cooling, and real time battery monitoring and predictive maintenance



VIRUTALLY ZERO FIRE RISK

Immersion cooling for safety-critical, high-performance systems using fire-retardant fluid for superior safety.



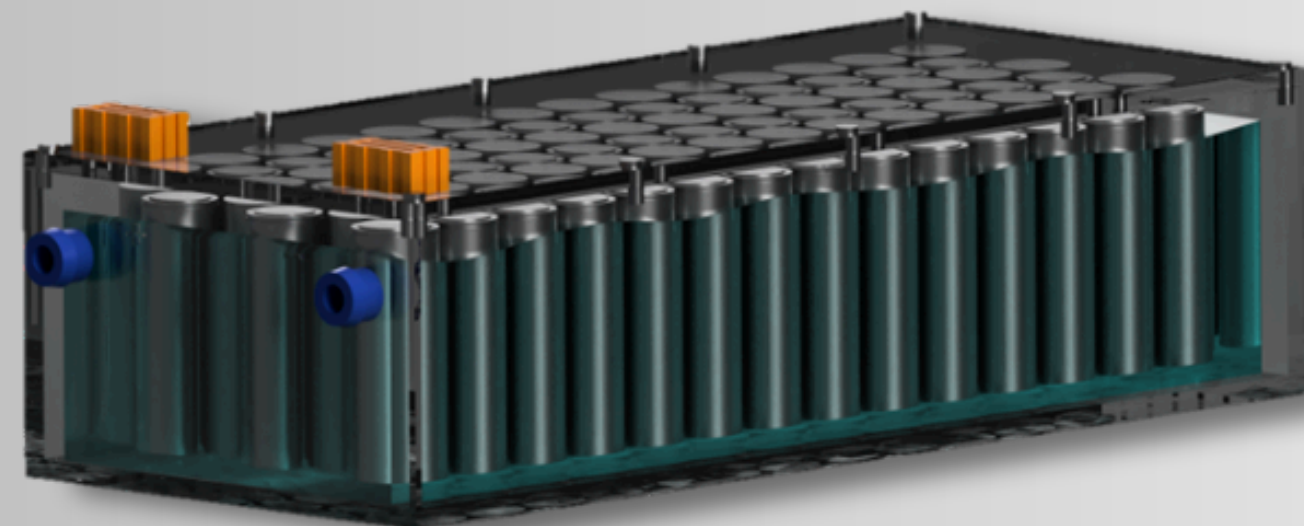
LOW COST

Up to 30–35% lower total cost of ownership vs. leading competitors



ADAPTABLE TO VARIOUS SECTORS

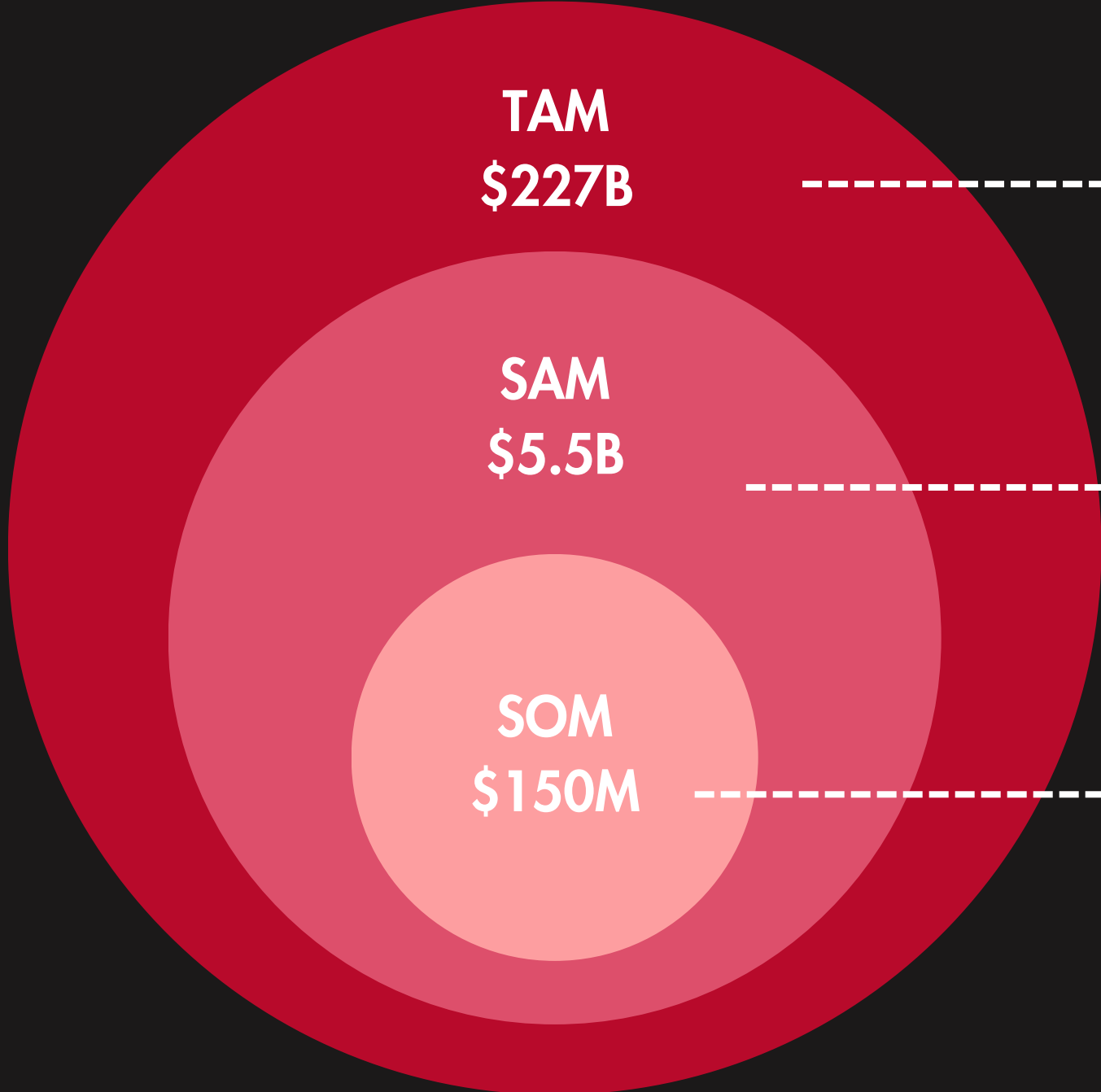
Modular, one-technology solution scalable across industries and applications



PARTNERS & SUPPORTERS:



RESIDENTIAL AND COMMERCIAL BATTERY MARKETS



By 2031

Total Addressable Market (TAM)

Overall advanced battery market globally including all sectors and all battery types, EVs, BESS, grid storage, commercial, industrial, aerospace, marine, among others

Serviceable Available Market (SAM)

Residential and commercial Markets globally , which we intend to target as our initial markets before expanding into other sectors, mainly grid level storage capacities.

Serviceable Obtainable Market (SOM)

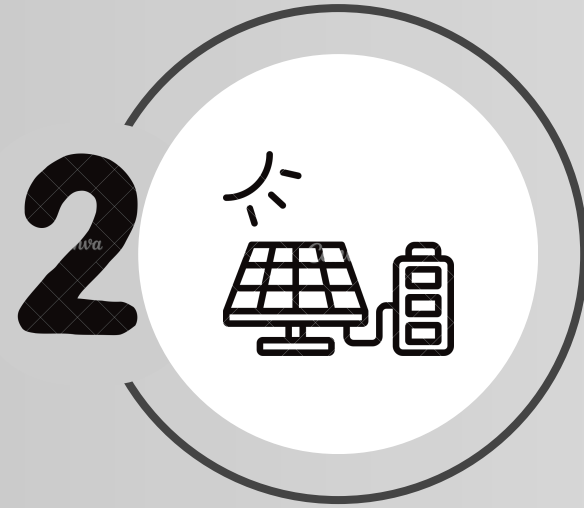
Anticipated to capture by 2030 in Europe in the residential and commercial markets



OTHER TARGET MARKETS



Large Scale Energy Storage



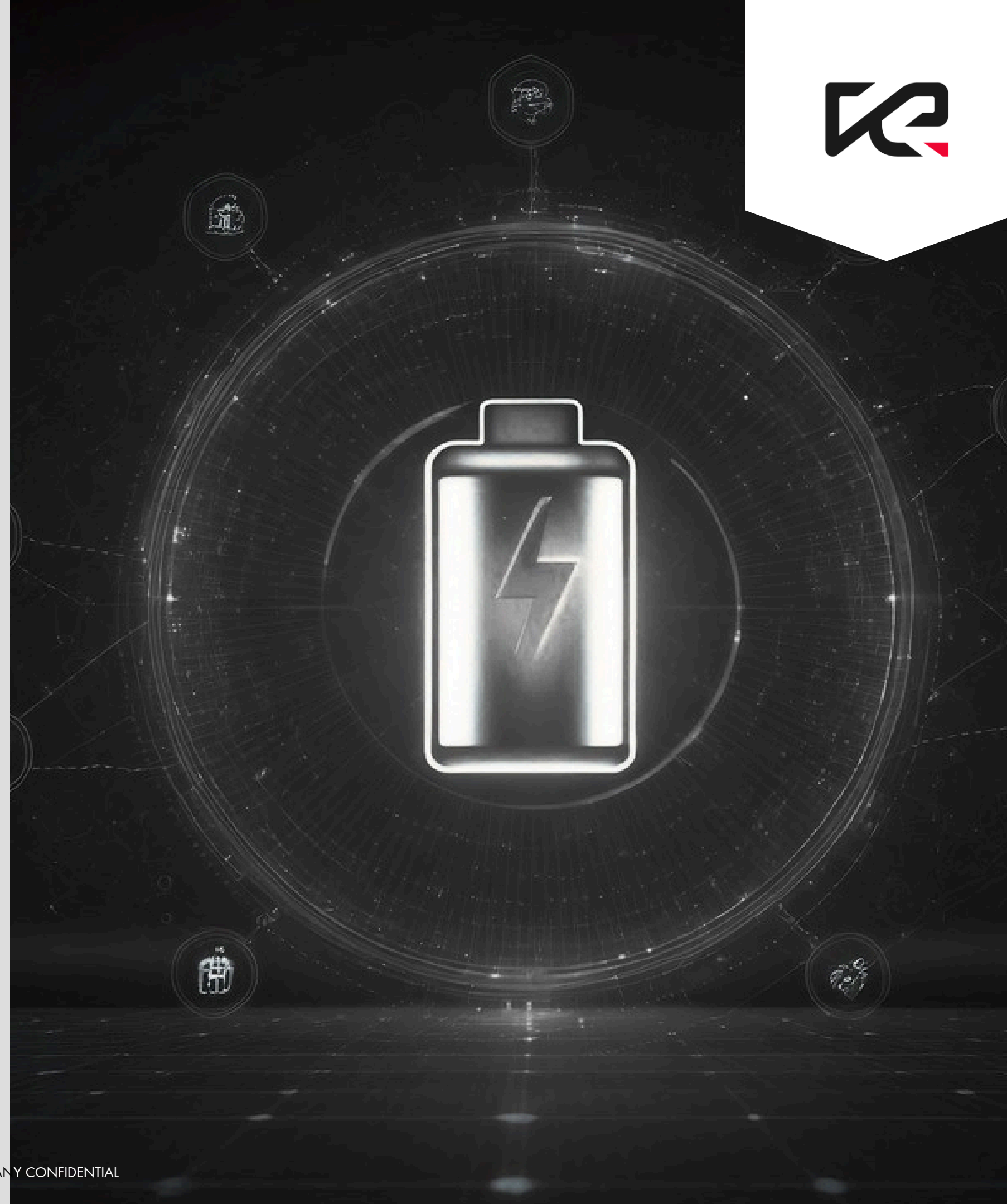
Off Grid



Heavy Machinery/Off Road Vehicles



Aerospace/Marine



COMPETITIVE ANALYSIS



		TESLA POWERWALL <small>TESLA HOME BATTERY</small>	Panasonic EverVolt™	LG Chem
Fully Repairable to cell/module level	●	●	●	●
Zero Downtime	●	●	●	●
Storage Scalability	●	●	●	●
Predictive Maintenance	●	●	●	●
Long Lasting Life 20+ Years	●	●	●	●
Multiple Safety Features [^]	●	●	●	●

[^]Safety Features include Immersion Cooling, Fire-Retardant Fluid, Shutting Off Affected Module, Intelligent Battery Monitoring and Management Systems



GROWING RESILIENT ENERGY TECHNOLOGY MARKETS

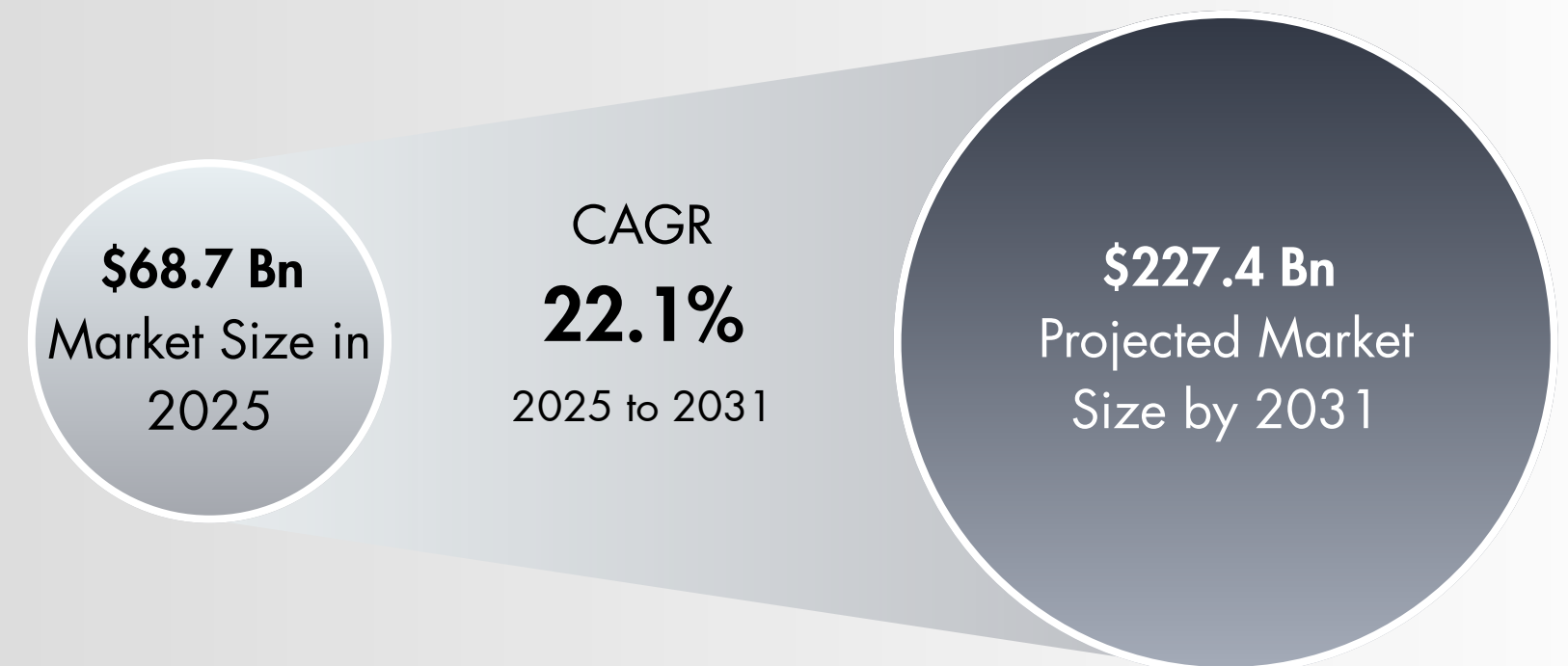


GLOBAL MICROGRID MARKET SIZE



<https://www.grandviewresearch.com/industry-analysis/microgrid-market>

ADVANCED BATTERY MARKET SIZE



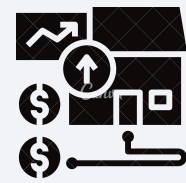
<https://www.researchandmarkets.com/reports/4989826/>

BUSINESS MODEL



B2B SALES

- ▶ **Direct sales of modular BESS to:**
 - ↳ Commercial & industrial clients
 - ↳ Property developers & infrastructure projects
- ▶ **High-value system deployments with strong margins**
- ▶ **Supported by strategic partnerships (EPCs, developers)**



DISTRIBUTOR SALES

- ▶ **Regional distributors targeting:**
 - ↳ Residential
 - ↳ SMEs / light commercial
- ▶ **Asset-light expansion → rapid market penetration**
- ▶ **Enables volume growth without heavy sales overhead**



SOFTWARE AS A SERVICE

- ▶ **Proprietary battery algorithm + predictive BMS**
- ▶ **Delivered as:**
 - ↳ Embedded (with hardware sales + subscription fee)
 - ↳ Standalone SaaS ("strap-on" to third-party systems)
- ▶ **Recurring revenue via:**
 - ↳ performance optimization
 - ↳ predictive maintenance
 - ↳ fleet / energy management

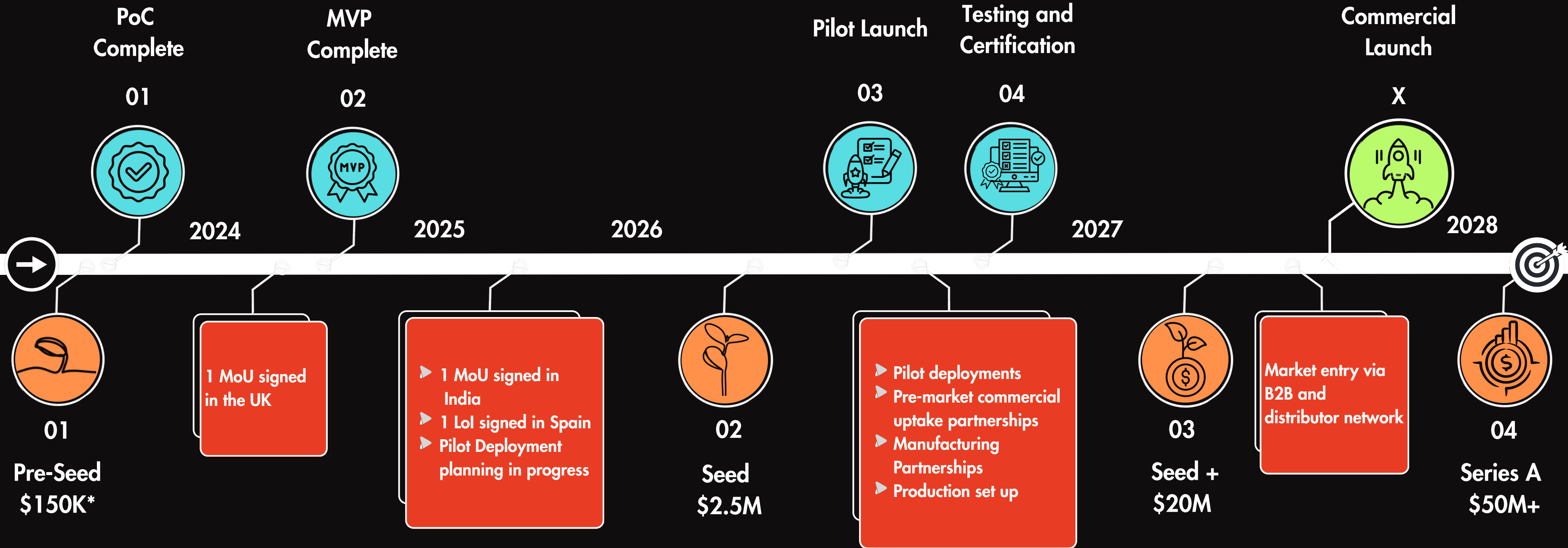


LICENSING

- ▶ **License core BESS architecture to:**
 - ↳ Global battery OEMs
 - ↳ Large-scale manufacturers
- ▶ **Capital-light scaling with high-margin royalty streams**



PRODUCT, COMMERCIAL AND INVESTMENT ROADMAP



*Innovate UK + Grants - \$50K

Legend: Products Investments Commercial Milestones



MEET THE TEAM



Sachin Ramesh
Chief Executive Officer



Venkatasubramanian L
Head of Battery Systems



Kartik Agarwal
Battery Control Engineer

ADVISORY BOARD



Dr Gopinath Mallipatna
Senior Commercial Advisor



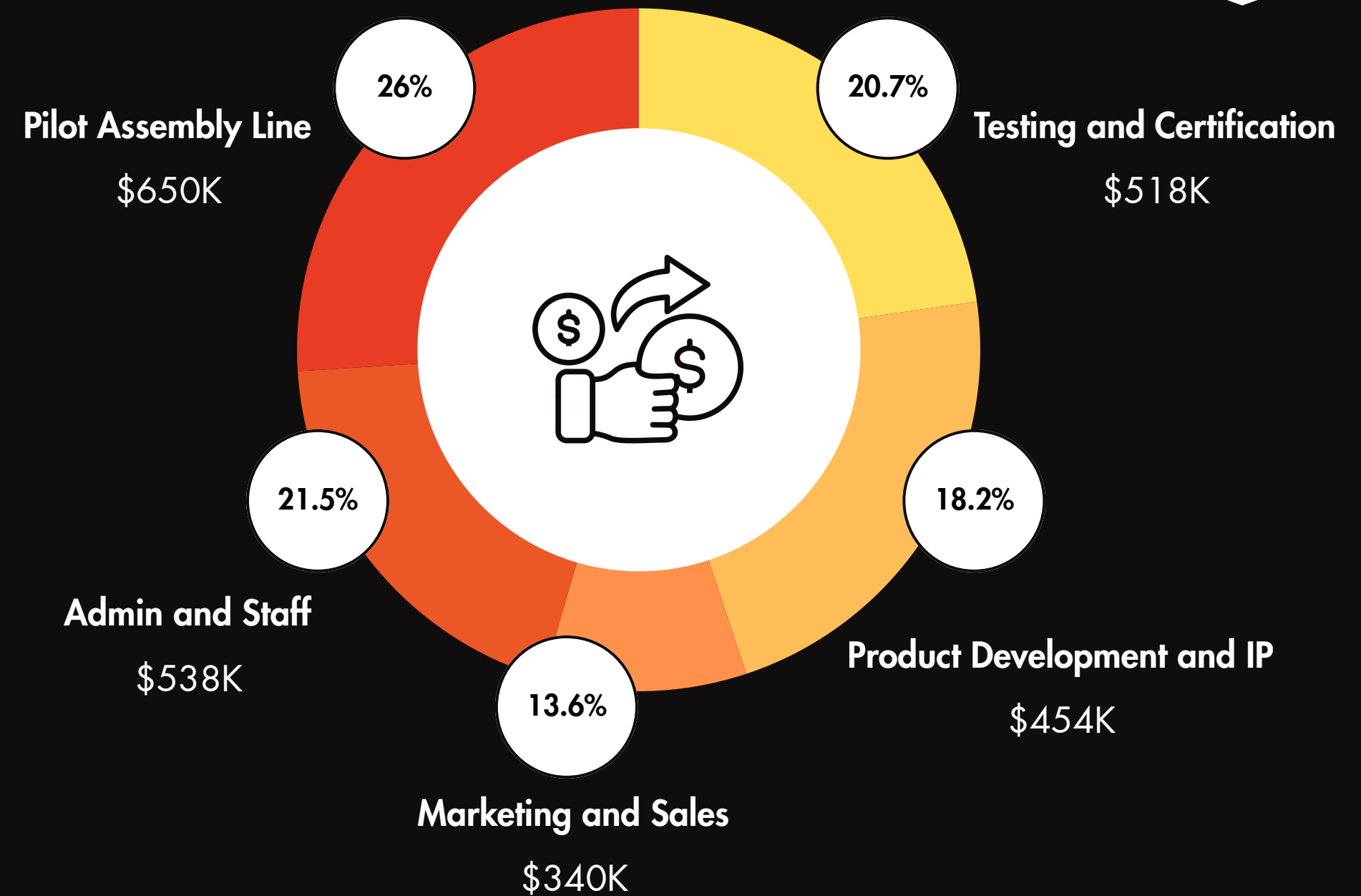
Neil Trivedi
Non-Executive Director



OUR ASK



We are securing \$2.5M to capitalise on a massive market opportunity



Expenditure Forecast

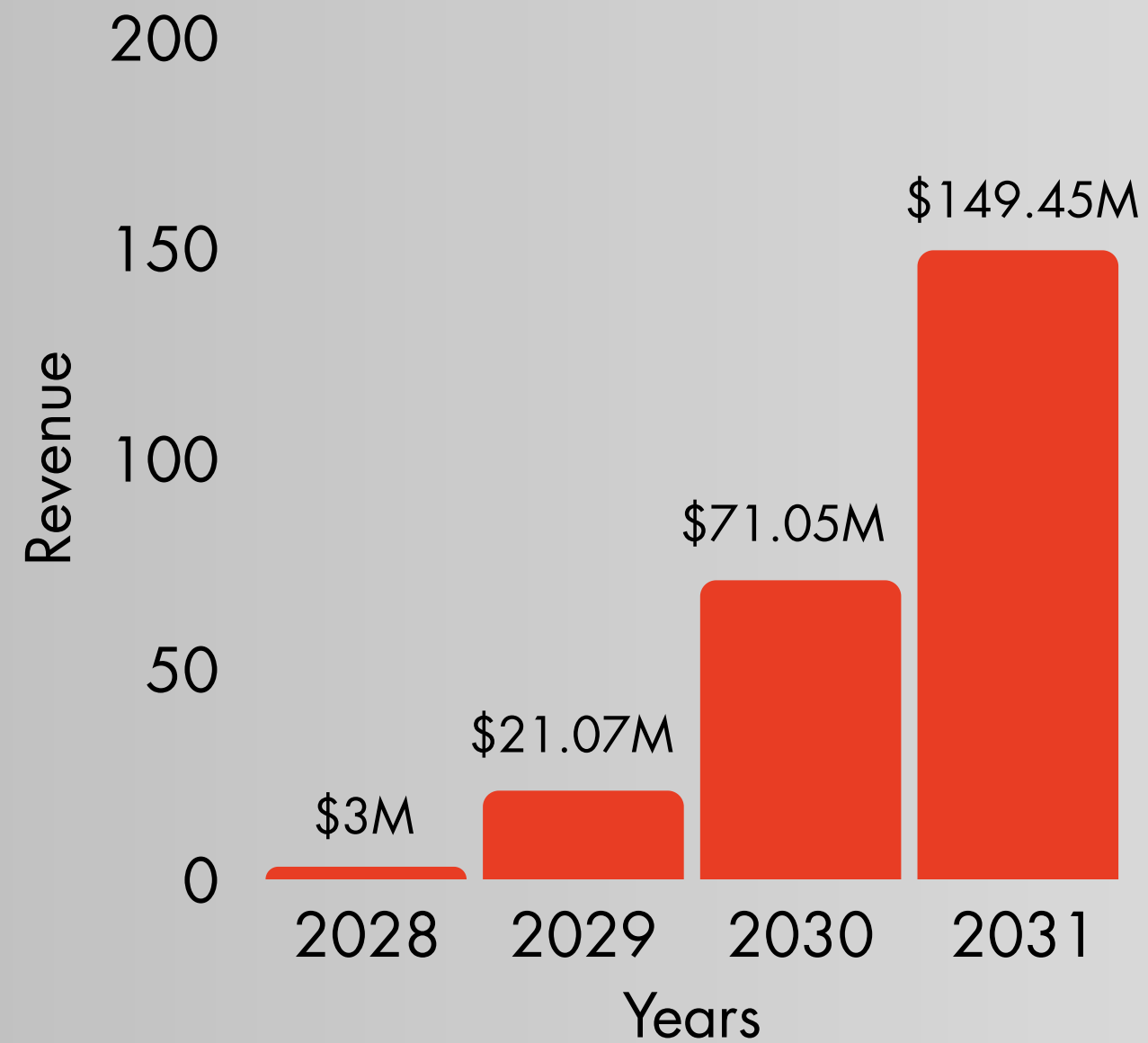
* \$500K Bridge Round Available - Details Upon Request



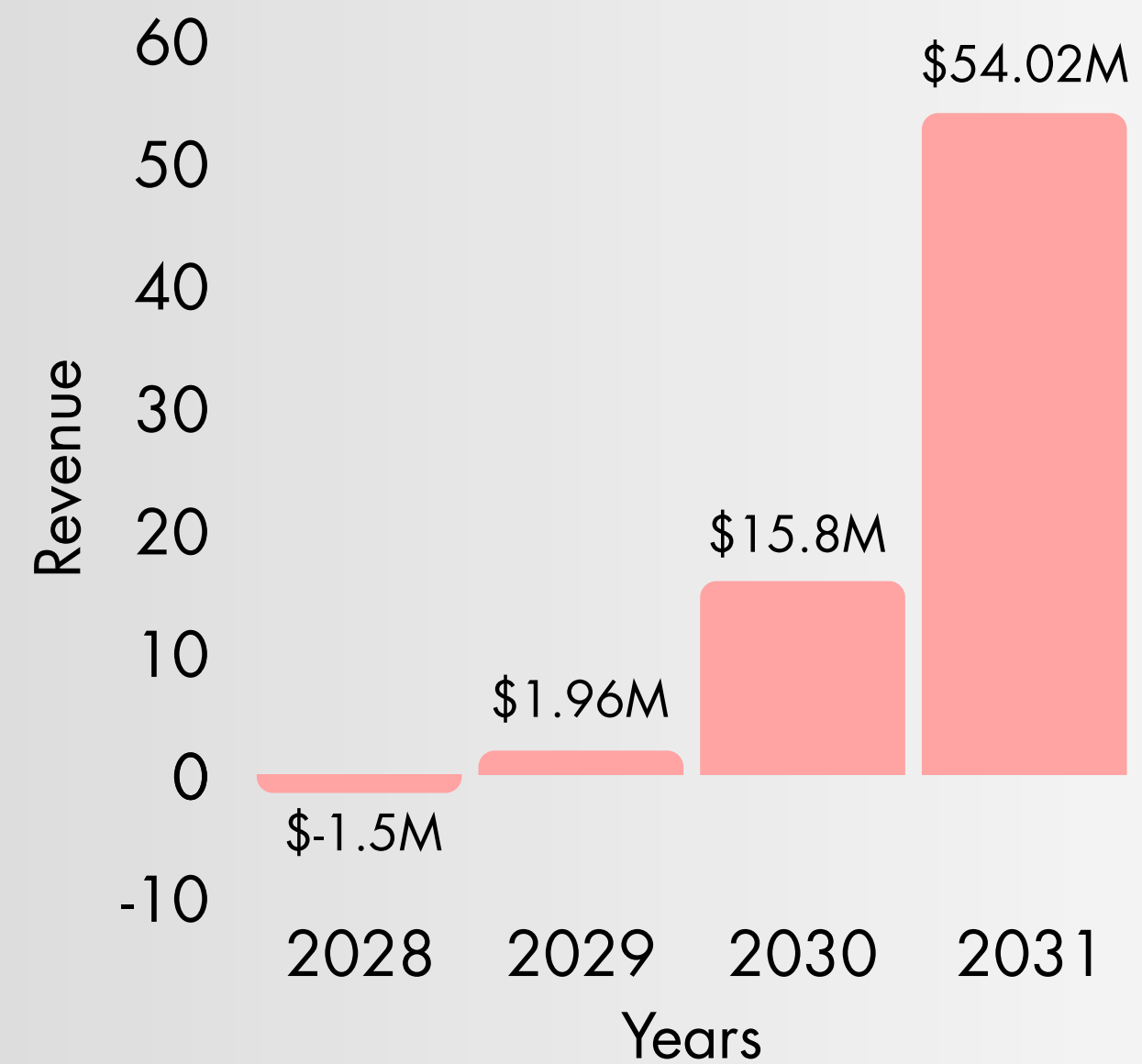
FINANCIAL PROJECTIONS



Revenue in Million \$



EBITDA in Million \$





VOLADOR ENERGY

VISIT US



Sachin Ramesh
sachin@volador.energy
www.volador.energy