

Introduction

Carrar, specializing in next-generation battery systems and powertrain solutions based on our two-phase immersion technology as our key differentiator.

Our solutions enhancing safety, extending battery longevity, and provide best-in-class performance across all operating conditions – setting us apart in the competitive battery market, and enabling significant environmental impact improvement.



Management Team:

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Company Highlights

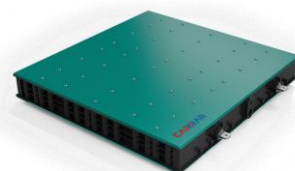
- Secured 5-Years Development Contract with a Top 5 Global Automotive OEM
- Signed JDA with Major Korean Battery Tier 1
- Deep-tech platform, scalable across BESS, Marine, and Automotive
- Sustainability at the core, aiming to reduce hundreds Mt CO₂e annually
- 8 Patents in process
- \$13M raised to date from strategic Tier 1s, VCs, and grants

Market Pain Points

- **Energy loss:** The average annual capacity fade is 1.5–2%.
- **Limited lifetime:** Battery capacity typically declines to 80% within 6 to 8 years.
- **Safety hazard:** Thermal runaway, can lead to severe and uncontrollable fire risks.
- **High costs:** Batteries are and will remain a substantial capital expense, significantly elevate the TCO.
- **Slow Charging:** Even fast-charging-capable batteries still come with the recommendation to avoid frequent use of DC fast chargers.

Carrar's Solution and Value Proposition

- **Scalable Architecture:** One core technology serves multiple opportunities, enabling product commonality between segments and efficient growth and scale.
- **A Key Differentiator:** Carrar's proprietary Battery module systems are integrated with two-phase immersion technology providing a decisive performance edge.
- **Value for Money:** higher available energy and avoiding costly replacement, reducing TCO/LCOS and increasing ROI/IRR.
- **Safety & Reliability:** Enhanced safety architecture reduces thermal event probability and blocks propagation.
- **Sustainable:** Cuts rare earth mining demand, and carbon footprint. Meeting ESG requirement while reducing risks.
- **Maximize Usable Capacity:** Higher capacity over the lifetime, enabling more sellable energy and revenue over system lifespan.



The Opportunity

- Vast Market Size with clear growth potential
- Extensive Patent Portfolio
- Product ready to scale
- Confirmed Strategic Interest
- Multiple Revenue streams
- Exponential revenue forecast
- Off-the-shelf product assembly line ready for delivery in 2026

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Go to Market Strategy

- **Short-term:** BESS & Marine | Off-the-shelf product | 18-36 months development Cycle time | \$100bn TAM (2030 projection) | fast deployment
- **Long-term:** Automotive | Customized product | 60-84 months development Cycle time | \$249bn TAM (2030 projection) | 1st secured OEM contract and Future Pipeline

Current Funding Round

Series A+

- \$15M Equity + \$4.6M approved Grant
- Current commitment: \$6M with high probability
- Timeline: 1st closing – November 2025
2nd closing – January 2026

Use Of Funds

- R&D
- Production
- Go to Market

