

We Are

ROMEO POWER





A Leader in Battery Technology with Industry Leading Hardware, Software and Thermal Management



Attractive and Large Commercial Vehicle TAM



World-class Partnerships and Strategic Players



Fully Assembled in North America

Blue Chip Customer Base



































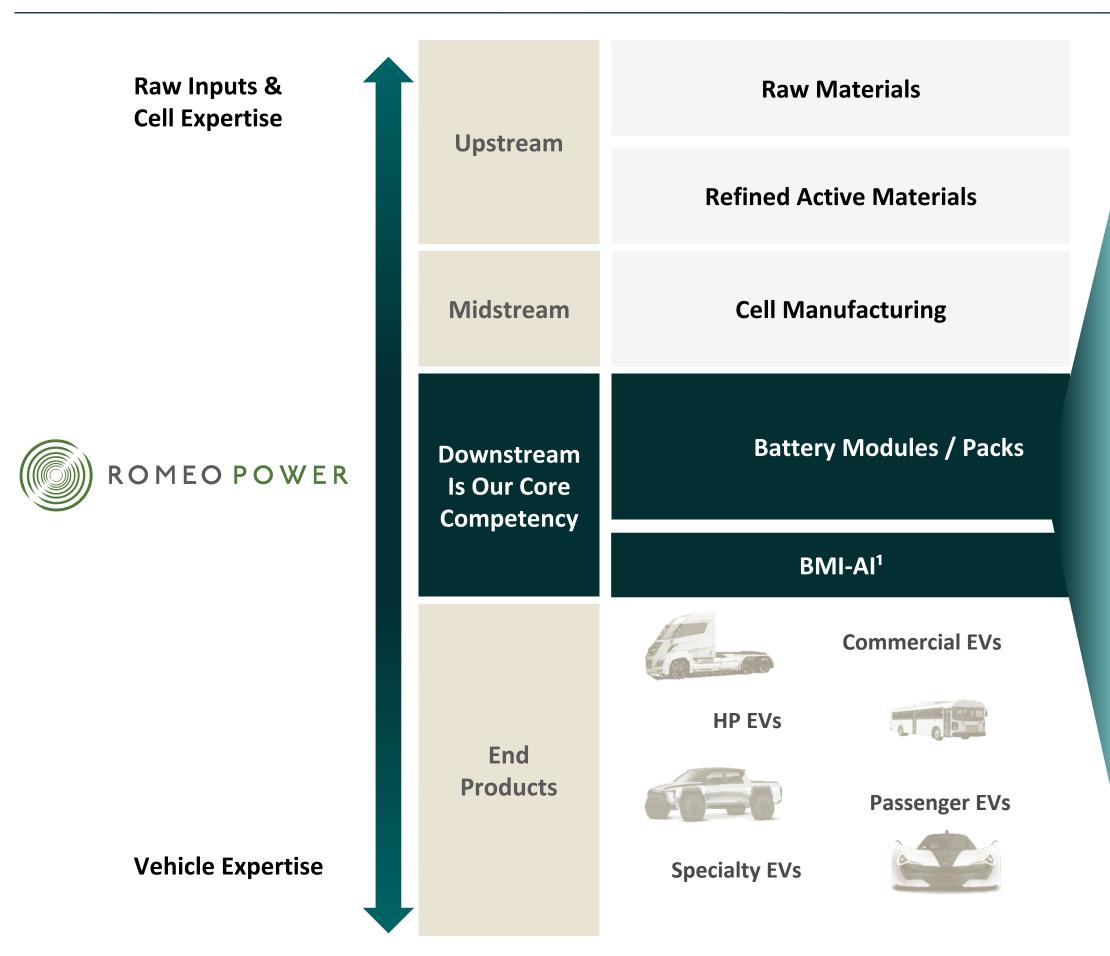






Core Focus on Battery modules, packs, and systems

Battery Engineering



How Does Romeo Power's Technology Enhance EV Performance?

Cell Science Design and Engineering	 Romeo Power performs extensive independent evaluation of cells and closely collaborates with industry leading cell manufacturers at early development stages of next generation cell technology Cell selection process based on energy density, quality and safety standards
Modular / E-Plate Technology & Electro-Mechanical Engineering	 Designed for durability and crashworthiness; fulfills requirements for volume production such as manufacturability and serviceability Modules are designed to meet the highest safety standards and have undergone extensive testing and broad-based customer validation
Thermal Engineering	 Designed for consistent temperature distribution within and among all battery cells guaranteeing lifetime maximum battery performance
Battery Management System (BMS)	 Creates a singular platform enabling all customers to benefit from field testing of electronic and software for prototypes through scaled deployment Established safety measures system, including isolation monitoring, high voltage interlock, manual service disconnect, hardware and software protections
BMI-AI ¹	 Maximize total fleet battery health by leveraging machine learning to help reduce total cost of ownership Learn aging factors from field behavior based on feedback from battery population health optimization Provide individual decisions that benefit net total asset and increased profitability of fleet managers, and total cost of ownership



Mass

Production

¹ Brain Machine Interface - Artificial Intelligence



Battery Systems Overview

1

Cell Science

- Cell procurement is a carefully guided process with rigorous testing and validation processes to ensure only the best cells are selected
- Romeo Power's packs and modules are cell-agnostic, allowing the company to use only the best for each application, and adapt and change as new cells come to market



2

Module Technology

- Flexible and customizable design acts as a building block which allows for custom packs without needing months / years of additional R&D for each prototype
- Modules are designed to meet the highest safety standards and have undergone extensive testing and broad-based customer validation, both at the individual pack and module level



3

Pack Technology

- Mechanical pack design addresses key requirements from durability and crashworthiness to manufacturability, serviceability, and recyclability
- Flexible design allows the company to reach significant scale and a broad range of customer needs without incurring significant additional costs and overhead



4)

BMS

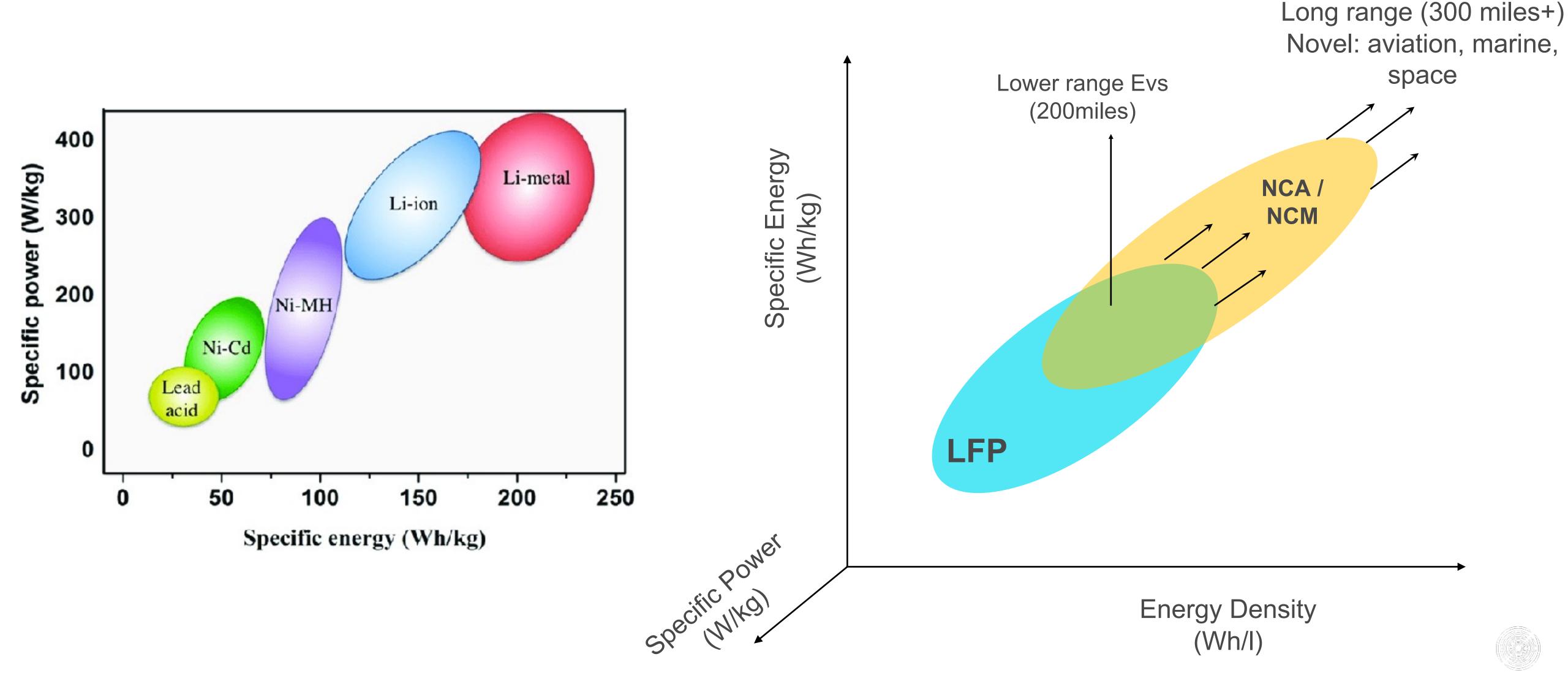
- Battery management system serves as complete solution for monitoring and control
- Romeo Power's BMS are built on a highly configurable platform, allowing it to support a wide variety of architectures, and driving lower cost and a faster time to market when compared to peers







Continuous improvements in LFP chemistry becoming more attractive to EVs Longer range vehicles and novel applications require NCM/NCA



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Cell Formats:

Modules:

Small format module (3kWh):

Large format modules (10 to 30 kWh):

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Packs:

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KPIs for Battery Systems & Safety

	Cells	Packs
Energy Density (Wh/I)	700 to 760	197 - 210
Specific Energy (Wh/kg)	240 to 265	160 - 200
Power density (W/kg)		667 - 1200
Charge time (min/SOC)		1.5 hrs to 80%
Cycle Life	1000 to 4000	1000 to 4000
Propagation rate (Ah/sec)		Single cell fault tolerance (UL2580 sec43) GTR 20

