ADDIONICS

Powering the future

We Create the Next Generation Batteries with Smart 3D Architecture

Addionics develops the next generation of batteries by smart 3D cell design. With a novel AI-based, scalable, and cost-effective 3D metal fabrication method, we produce and utilize smart 3d electrodes to enhance all battery performance simultaneously: energy density and range, charging time, lifetime, safety, and cost of batteries.

While most companies try to improve batteries by focusing on chemistry - we focus on physics. This allows us to improve any battery chemistry, for any application.

PROBLEMS WE SOLVE

High Performance

The only high power and high energy battery, with no compromises

Cost Effective

Reduced battery production costs at giga scale production

Chemistry Agnostic

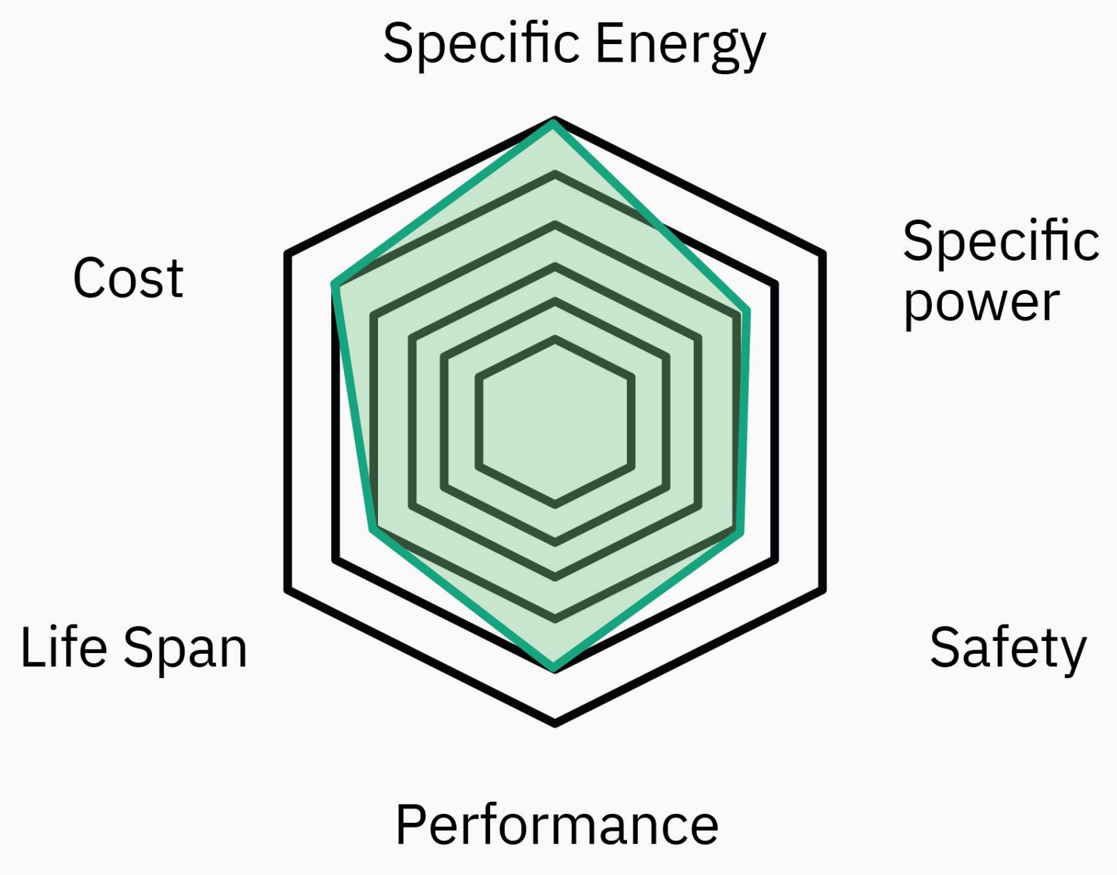
Improved performance of existing & emerging chemistries

Drop-In Solution

Compatible with existing factories and dry/wet process

First Ever AI for battery design and manufacturing process

Addionics 3D manufacturing is guided by proprietary battery cell modelling software, optimizing battery structures for specific performance outcomes.



LEADING THE NEXT-GEN SMART 3D BATTERY INDUSRTY

SOLID STATE

Co-developing a 3D electrodes based Solid State battery with Saint Gobain, a multinational material conglomerate

SILICON

Co-developing high energy and high power silicon battery with an American Tier-1 automotive supplier

LFP

Presenting the next gen of high energy LFP battery in collaboration with a global multinational conglomerate

NMC

Demonstrating power advantages of 3D electrodes with 2 leading European automotive OEMs

DELIVERING BETTER PERFORMANCE

2X Accessible Capacity

Increased energy density by enabling greater active material loading and by accessing more capacity, especially at high power

Increased Safety

Significantly improved thermal uniformity and higher mechanical stability

50% Reduction in Charging Time

50% lower internal resistance at the cell level allows faster charging time

Up to 150% Longer Lifetime

Better structural adhesion prevents cracks, delamination and facilitates better heat dissipation across the cell

TOTAL FUNDING OF $40M, KEY INVESTORS

Novelis MAGNA DEEP INSIGHT JX Nippon 89 NEXTGEAR VENTURES

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