Powering The Future

Company Overview

Raised

$8M

Seed round

($3M of which

non-dilutive)

Team

- 15 employees
- 2 sites (TLV & LDN)

Investors

NEXTGEAR VENTURES

Magna capital partners.

Vasuki

lumiraDx

PEAR TREE FUNDS

4 patents pending

3 additional patents will be filed during 2021

ADDIONICS

The World is on the Verge of Electrification

“Countries want to ban gas and diesel cars”

CNN

“Generating 100% of the world’s energy from renewable processes is becoming more feasible and cheaper every day.”

Forbes

“A dead end for the fossil fuel in Europe’s city centers”

Bloomberg

The Problem: **Battery Technology is Lagging Behind**

Charging Time

Available Capacity

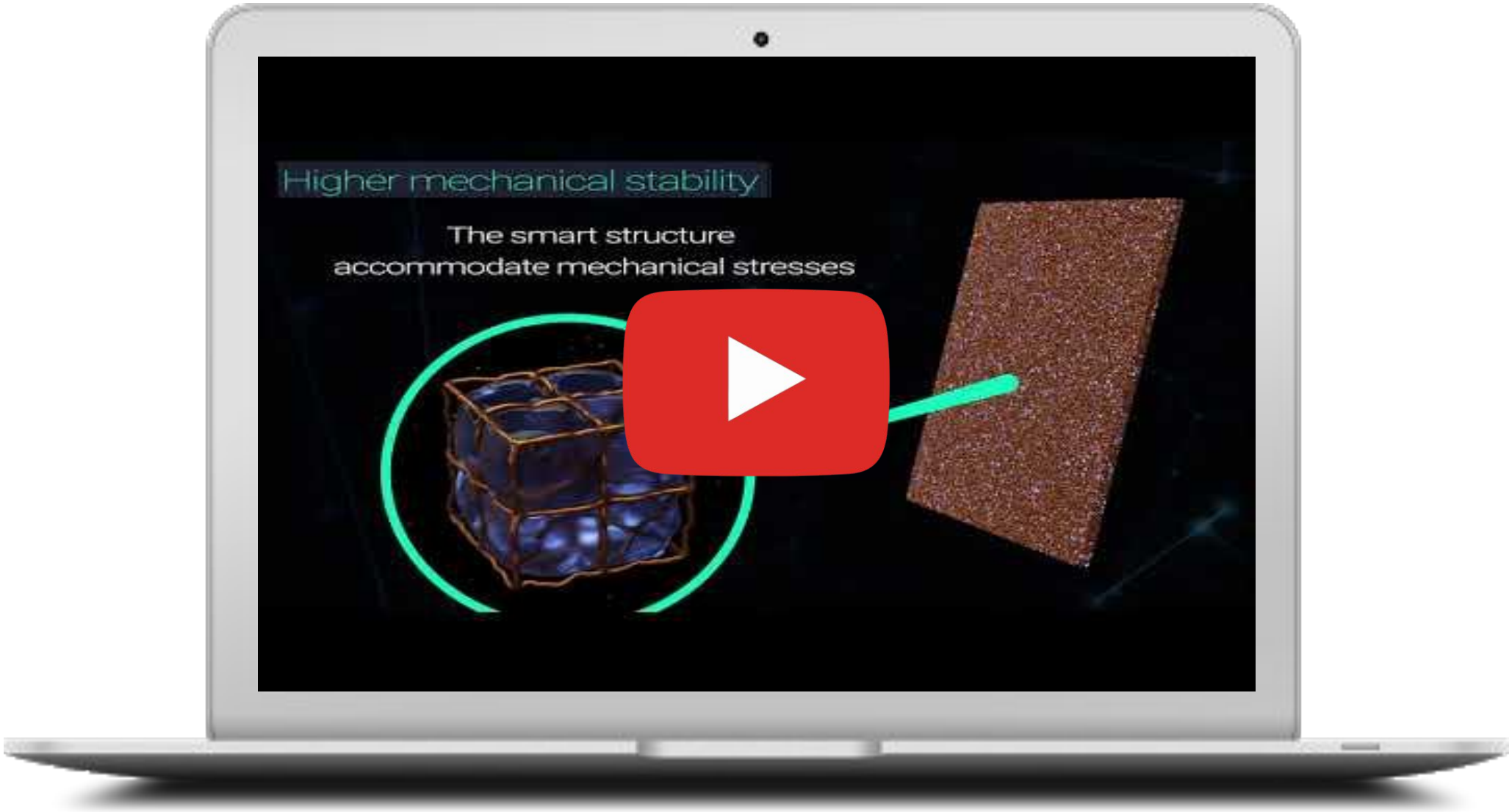
Insufficient Lifetime

While Most Companies Try to Improve Batteries by Focusing on the Chemistry - **We Focus on the Physics**

The Solution:

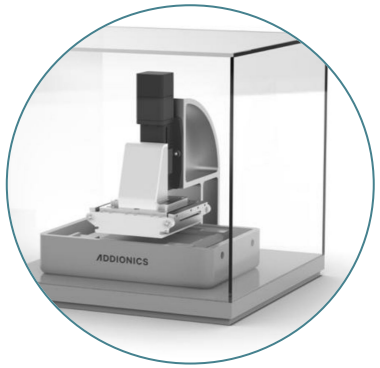
We Create the Next Generation Batteries by Smart 3D Electrodes

Technical Benefits and Value Proposition

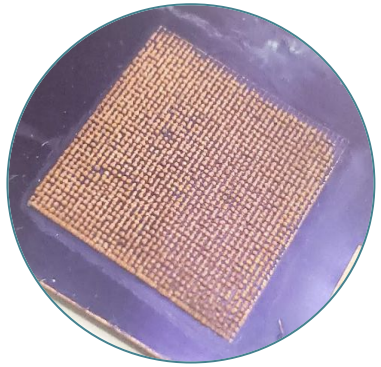


Platform Technology

A novel, patent protected, scalable and cost-effective manufacturing process to produce Smart 3D Electrodes



Addionics unique manufacturing process



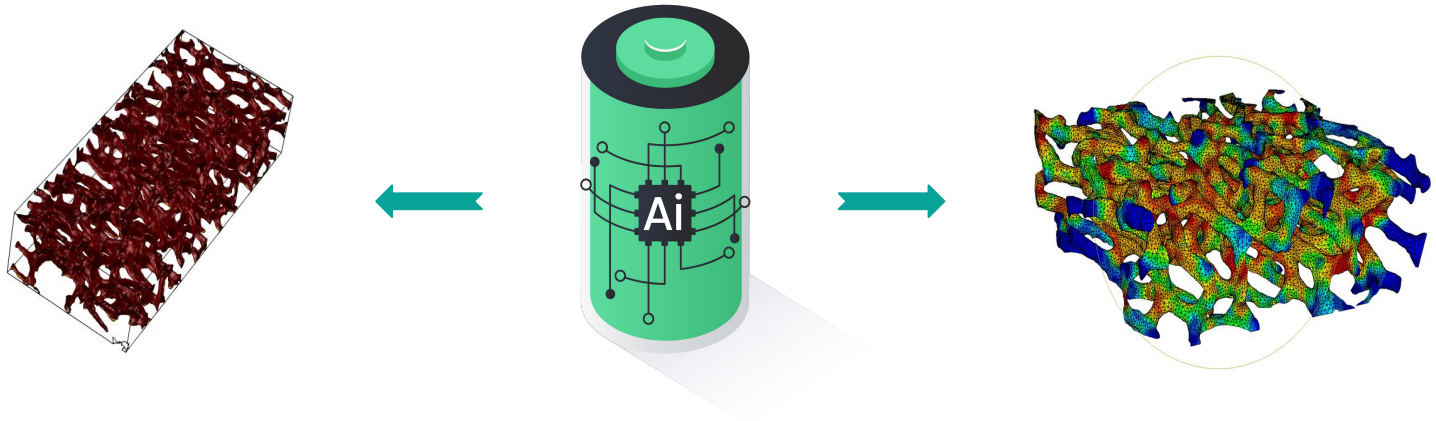
In house, smart 3D current collectors

World's first LiB pouch cell battery with smart 3D architecture

Next step - Battery module and pack

AI Based Structure Optimization Algorithm

3D modeling - thermal, mechanical and electrochemical



ADDIONICS

Delivering Better Performances

50% Reduction

In charging time

Up to 200%

Accessible capacity

Safer

Improved mechanical and thermal stability

100% Increase

In lifetime

A Cost-Effective Sustainable Process

Drop in solution

Existing Factories Compatible

Chemistry agnostic

Improves any battery chemistry

> 5% Lower

Cost per KWh*

Sustainable

Less creation of waste

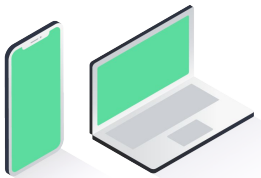
* Based on the $100 kWh automotive targeted price (Bloomberg)

ADDIONICS

Beneficial for a Variety of Applications

Drones

Electric Vehicles



Consumer Electronics

Energy Storage

Power Tools

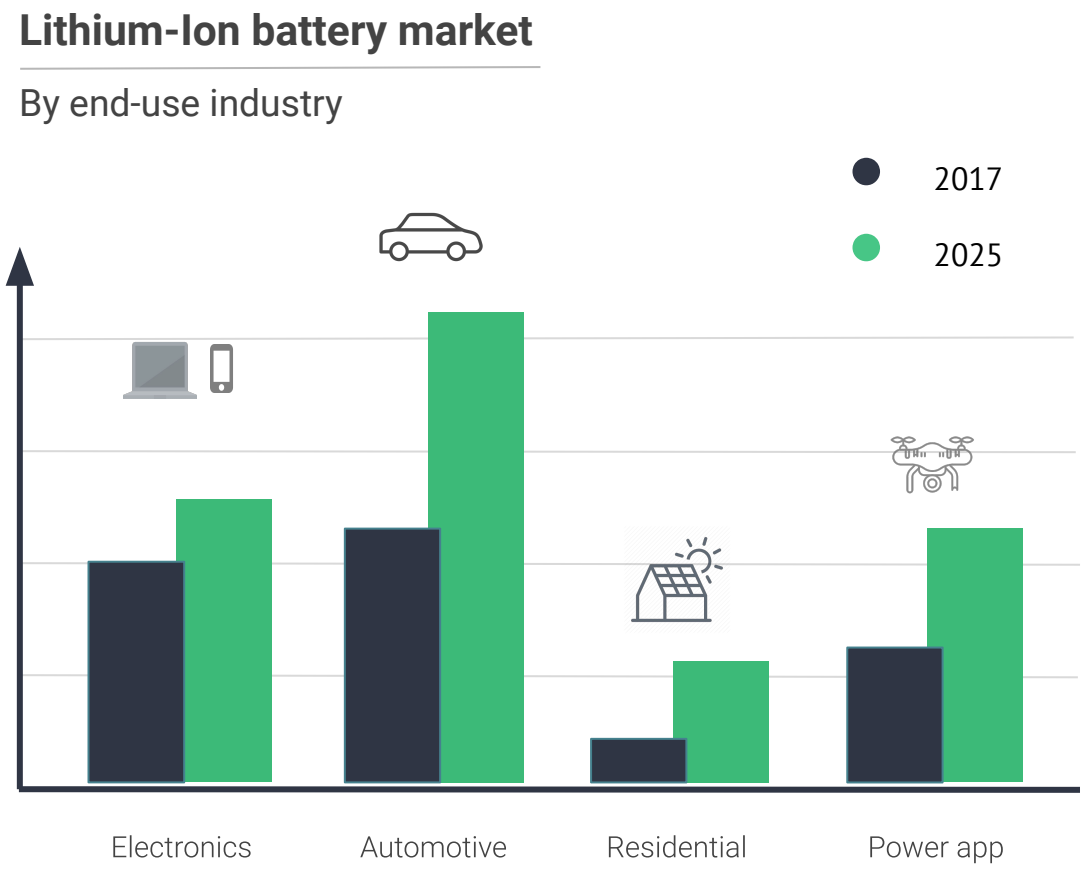
Medical Devices

Aerospace & Defence

Micro Mobility

Market Opportunity

The global EV battery market, alone, will reach €84 billion by 2025:



TAM: Global battery market €154 billion

SAM: Global EV battery market €84 billion

Initial target market: Automotive & Residential ES

* Source: Statista forecast for electric vehicle battery market size

ADDIONICS

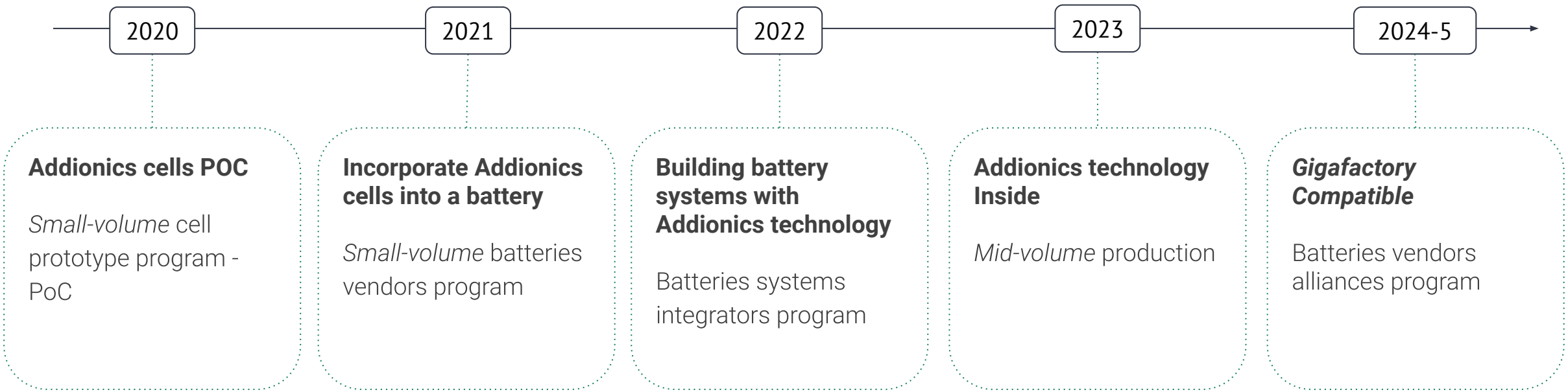
Competition

Unique selling points

Addionics is the ONLY company increasing the performance of batteries by improving the fundamental structure

Technology / Company	Capacity	Safety	Lifetime	Charging time	Production
Current 2D technology	According to specifications	Chemistry and capacity dependent	High losses over few charge cycles	40-50 mins (with a supercharger)	Very little customization
Alternative 3D technology	20% improvement compared to 2D	Chemistry and capacity dependent	No increase	Similar to equivalent 2D battery	Expensive, not customizable, battery size limit
Addionics	**40% increase** compared to 2D	**Improved safety** through design	**>150% increase**	**50% faster**	**Scalable & cost-effective**

Roadmap & Business Plan



Recognitions

Partner to jointly develop a high performance new standard battery for the industry

Selected by Intel as one of **9 most promising startups** in Israel and joined Intel Ignite

Participated in the Bosch DNA programm and started a **design partnership**

"pleased to recognize Addionics as the New Product Innovation ***leader in the European lithium-ion battery industry****"*

Selected as one of **40 most promising** cleantech startups and received the best early stage startup award 2020

Chosen by Shell as one of **7 most promising new energy start-ups** in Europe

Won 1st place in the Movin'On Michelin competition in the Preserving Resources category

"Changing cell architecture can ***meaningfully improve the performance*** *of lithium-ion batteries"*

Core Team

Tel-Aviv Site

Dr Moshiel Biton
Co-Founder & CEO

PhD from Imperial College London. Former chairman of the Israeli Business Club.

Nir Halup
VP R&D

Former R&D at Landa Printing. VP R&D at DigiFlex Also R&D manager Applied Materials and Kodak.

London Site

Dr Farid Tariq
Co-Founder & CSO

Former Postdoc at Imperial, Worked for Alstom and for Shell. Expert at energy applications and algorithms.

Dr Vladimir Yufit
Co-Founder & CTO

Former research at Imperial; electrochemistry and Batteries. Co inventor Owns 20 patents. The inventor of the DTV.

Advisory Board

Prof. Herbert Kohler

Former Director and board member at **Tesla** Motors Inc. Former VP Eng. and VP Powertrain at **Daimler**.

Dr. Prabhakar Patil

Former CEO of **LG Chem America**, and former executive **Ford Motors**. Recognized as the **EV Pioneer Award.**

Parminder Kohli

26 at **Shell**. Vice President Europe & Africa for **Shell Lubricants** business and is accountable for delivering profits in 70 countries within the region

Pierre Labat

Vice President, Global Automotive, **Novelis**. Previous served as Vice President & General Manager, Automotive Value Stream at Novelis, and former **Dow Chemicals**.

ADDIONICS

Powering The Future

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