



Smart safety. Powering innovation.

Preventing thermal runaway Unlocking technology barriers

Investors Pitch
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The team



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Phd, Physics, Material Engineering

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CEO

BSc Material Engineering, MBA

Automotive & Battery sector expert
Engineering Manager II Biz Dev Director



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COO

BSc Industrial engineering, MBA

Engineering & Operation program manager



Advisory board



Mordechai Segev, Phd

Distinguished Professor

Optical sensing & Electric ENG



Israel Prize | EMET Prize
Rothschild Prize in Physics



Ami Luttwak

Co-Founder & CTO at Wiz

Strategic advisor | Angel investor



Nir Kedem, Phd

VP R&D

Global Battery Expert



The future is *Electric*

Batteries are
everywhere!



BUT...

Thermal runaway and
safety risks hold back
innovation



The Challenge

Technical improvements increase the risk for thermal runaway

Industry leaders are not willing to compromise safety, therefore holding back critical innovation.



Longer Range

Enables higher energy density for extended range

Faster Charging

Allows quick energy replenishment without safety risks

Extended Battery Lifespan

Reduces total cost of ownership by prolonging battery life

All improvements lead to a raise in energy, posing higher risk to thermal runaway

Disruptive Solution

Cheel's cell specific and accurate prevention unlocks the technology barrier and provides significant market value to customers

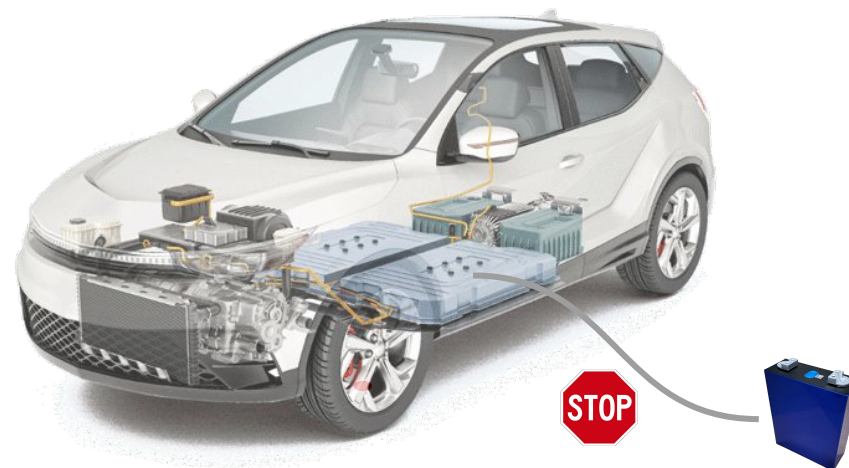
**Internal
detection**



**Electronic
readout**



**Cell specific
prevention**

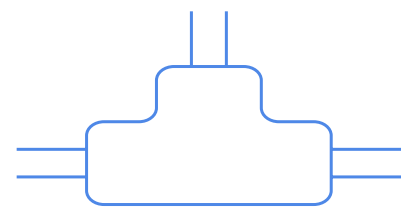
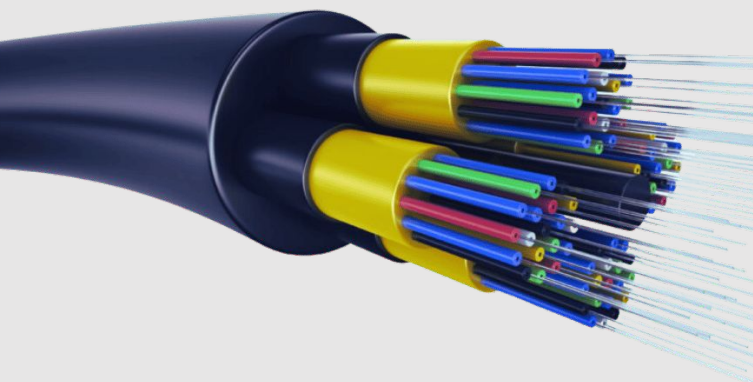


How it works ?

Cell-specific

Real time data analysis

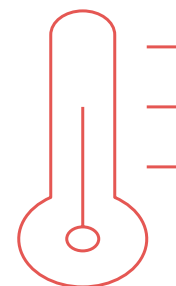
Accurate measurement



Optic Fiber

Internal monitoring of cells using optic fiber.

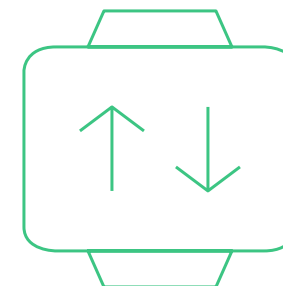
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Smart Materials

Novel methodology for accurate temperature measurement.

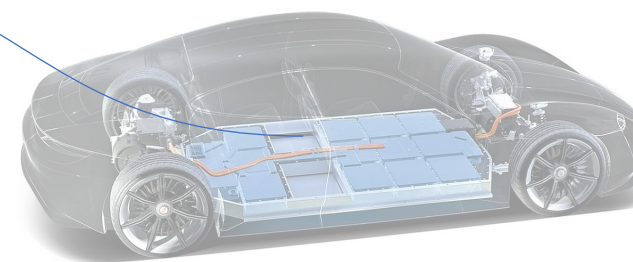
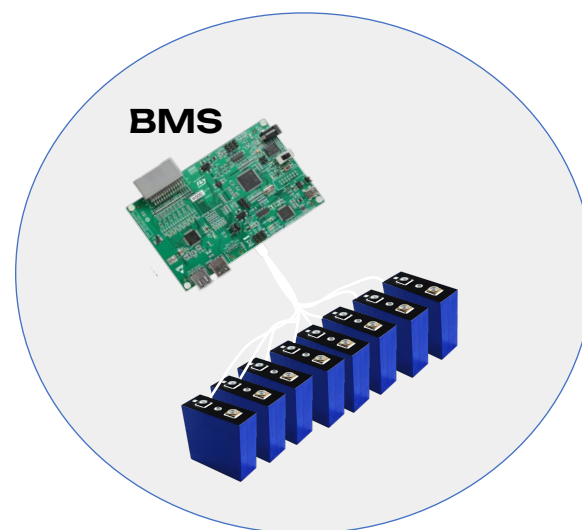
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Electronic Readout

Critical data from all cells enabling effective prevention.

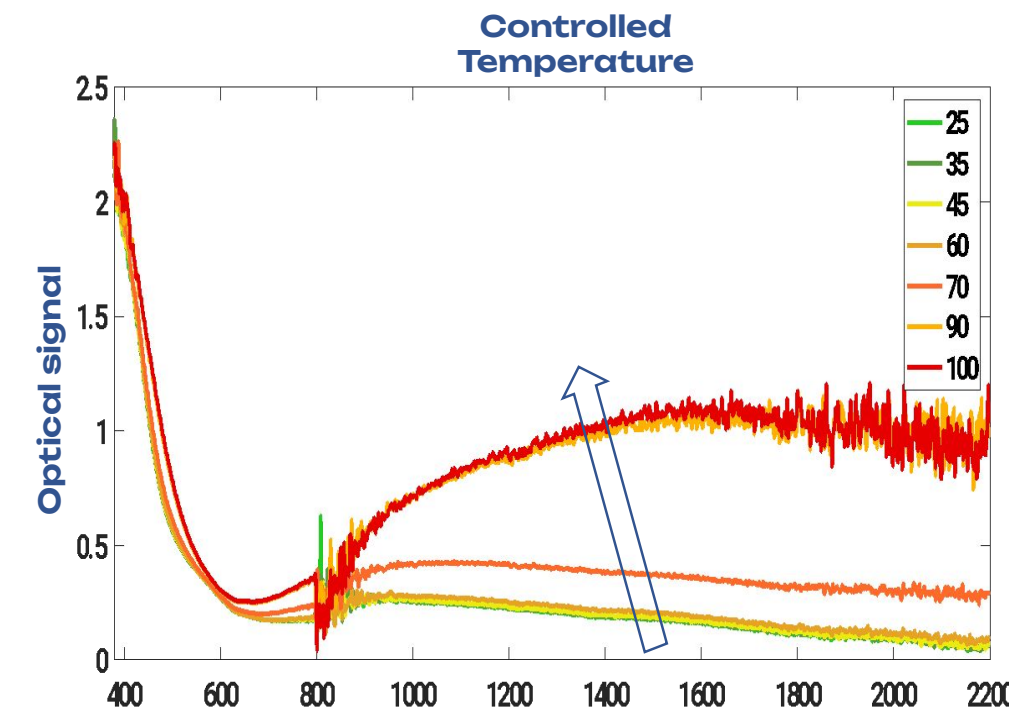
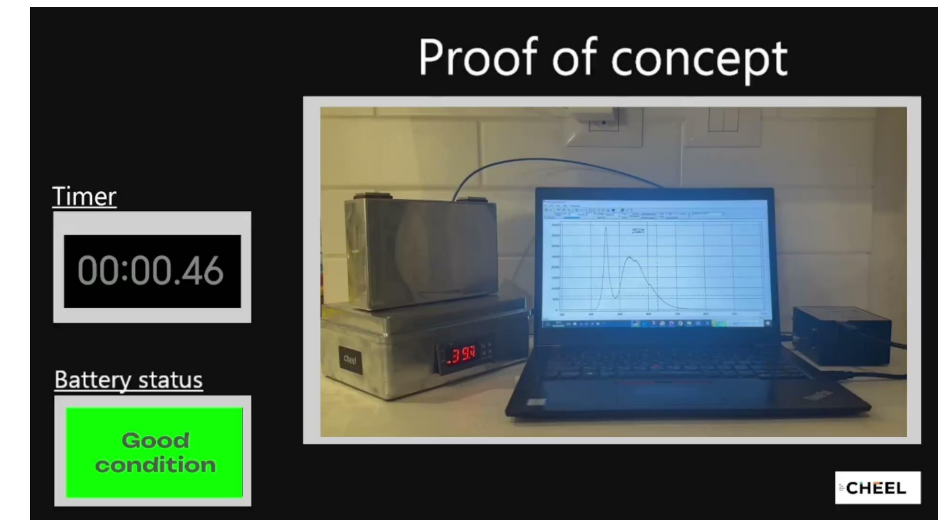
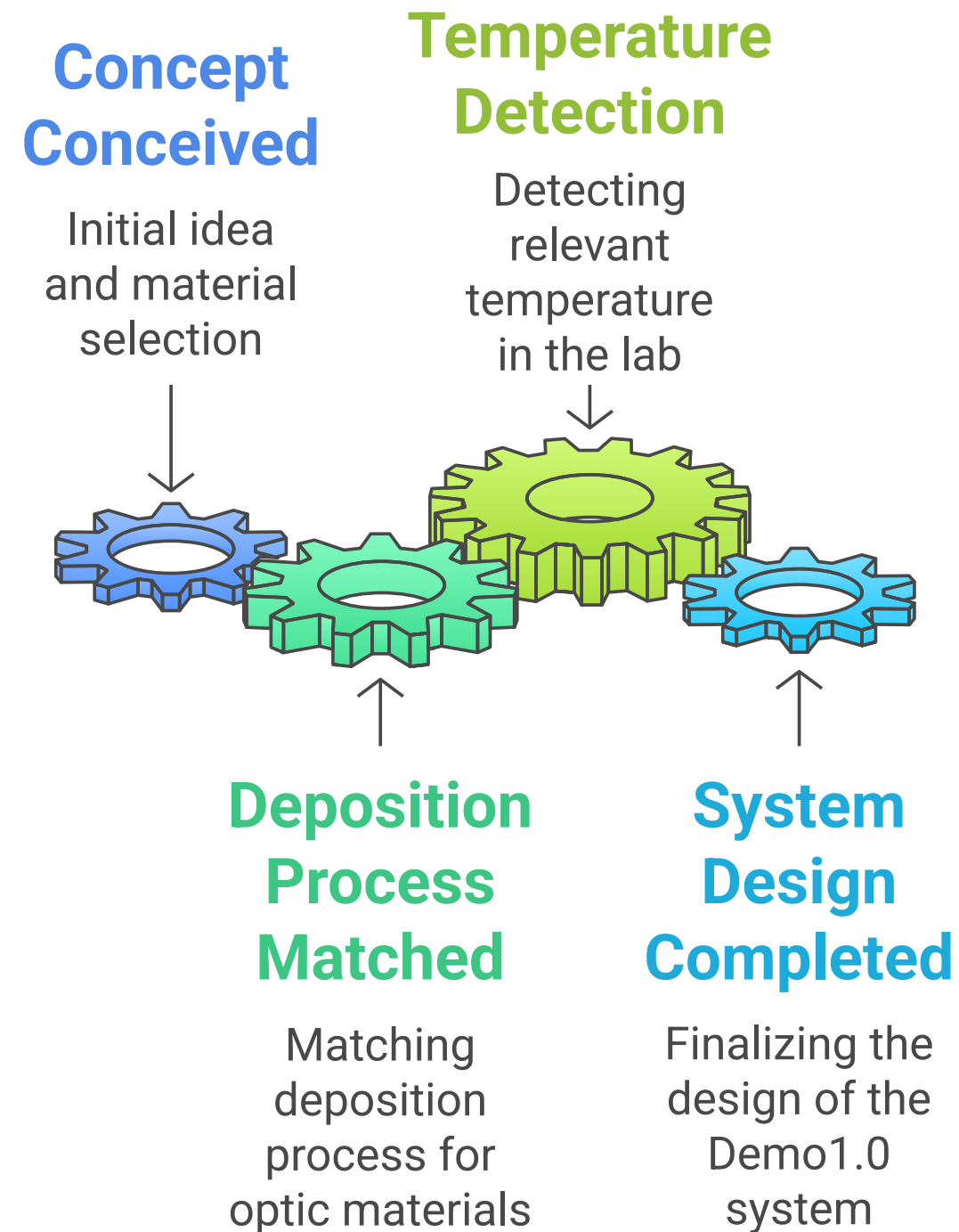
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Technical maturity

Status: TRL 4

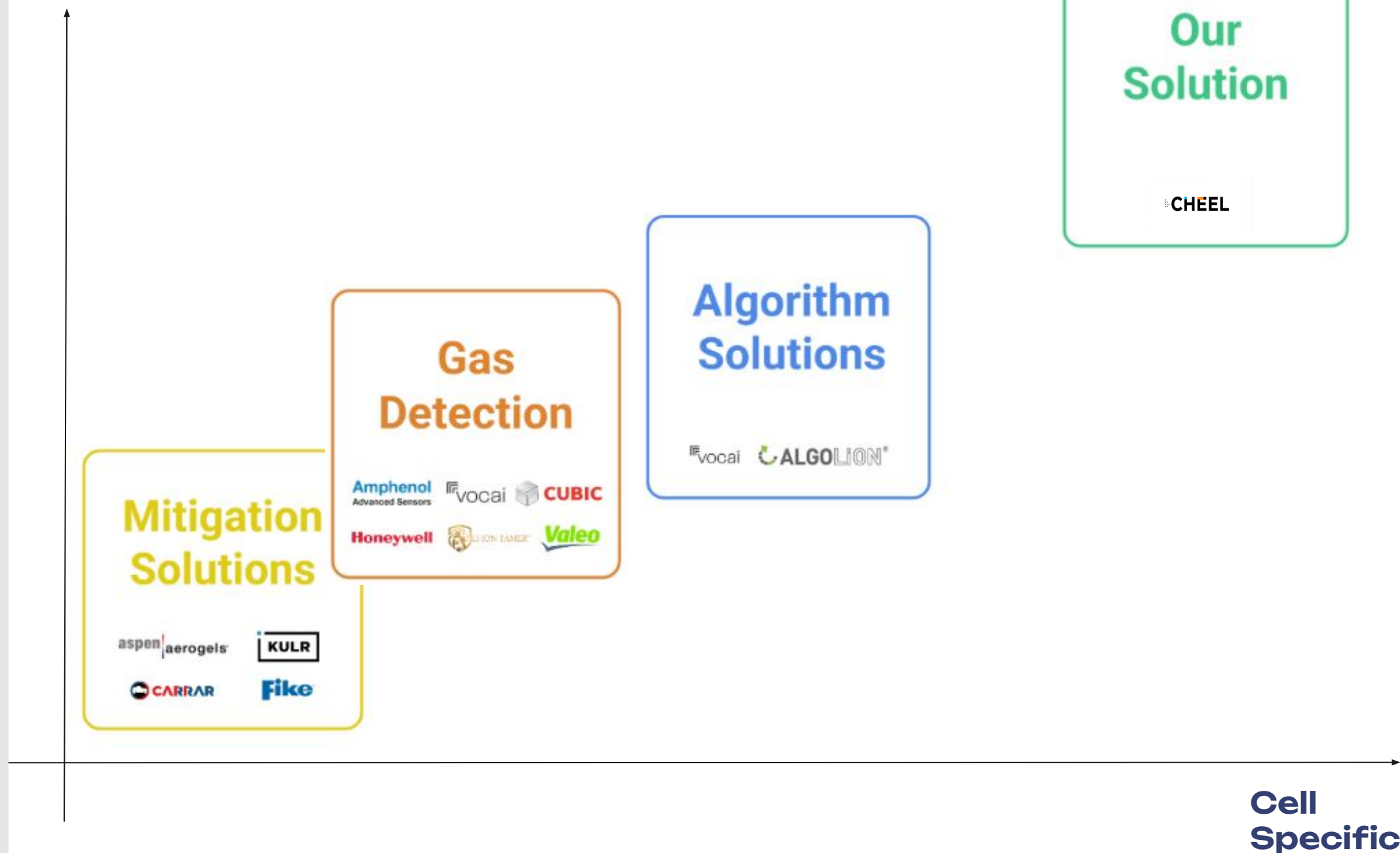
Technology validated in lab.
A prototype component validated under controlled conditions.



Competitive landscape

Competitors do not give **cell specific** and accurate enough detection to **prevent** thermal runaway

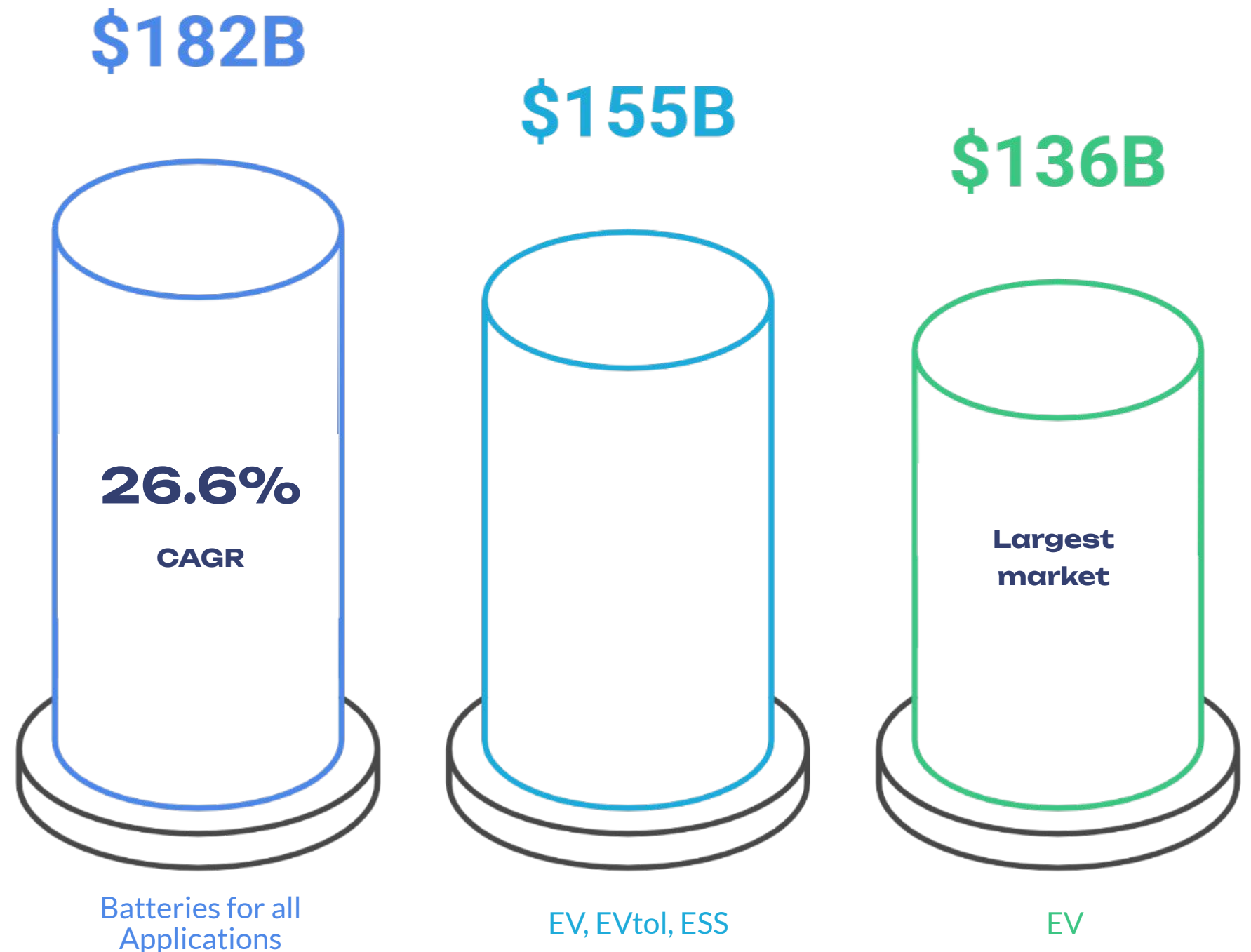
Prevention



Cell
Specific

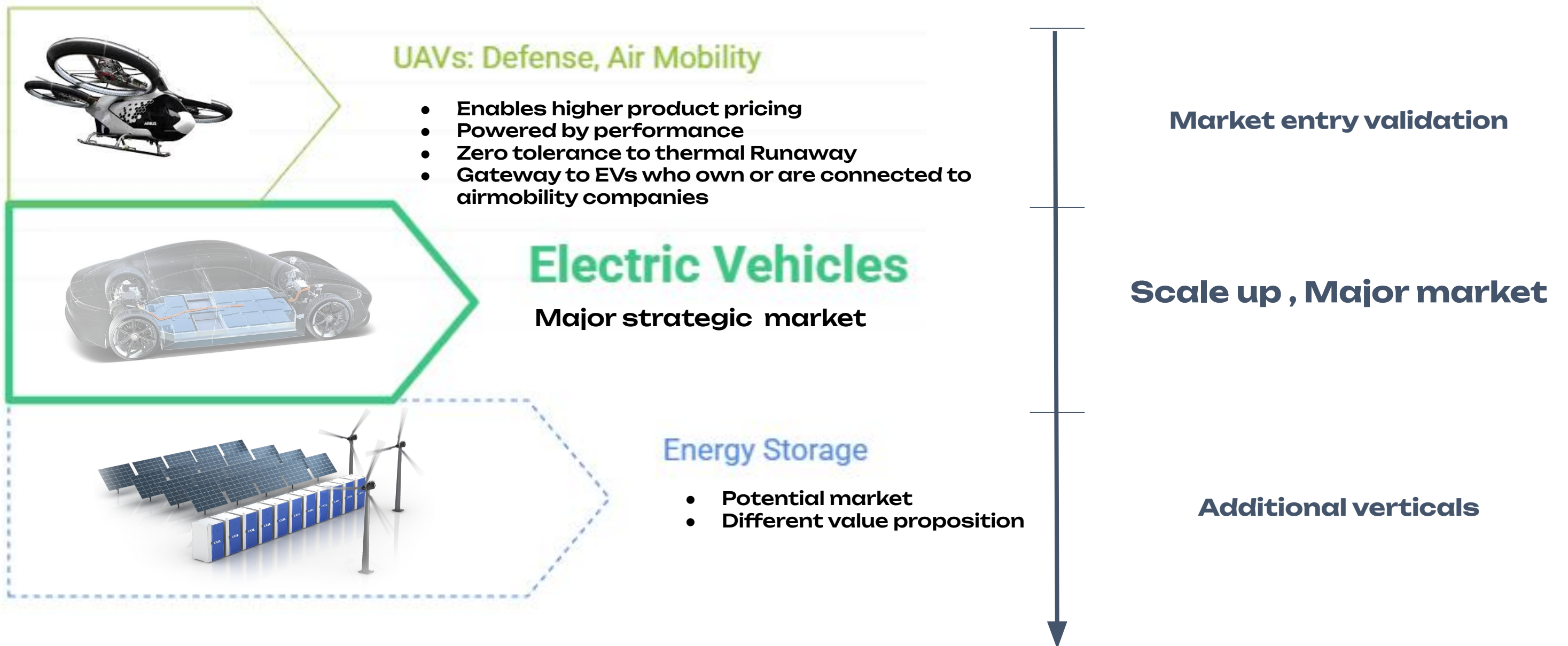
Market Opportunity

2030 Forecast



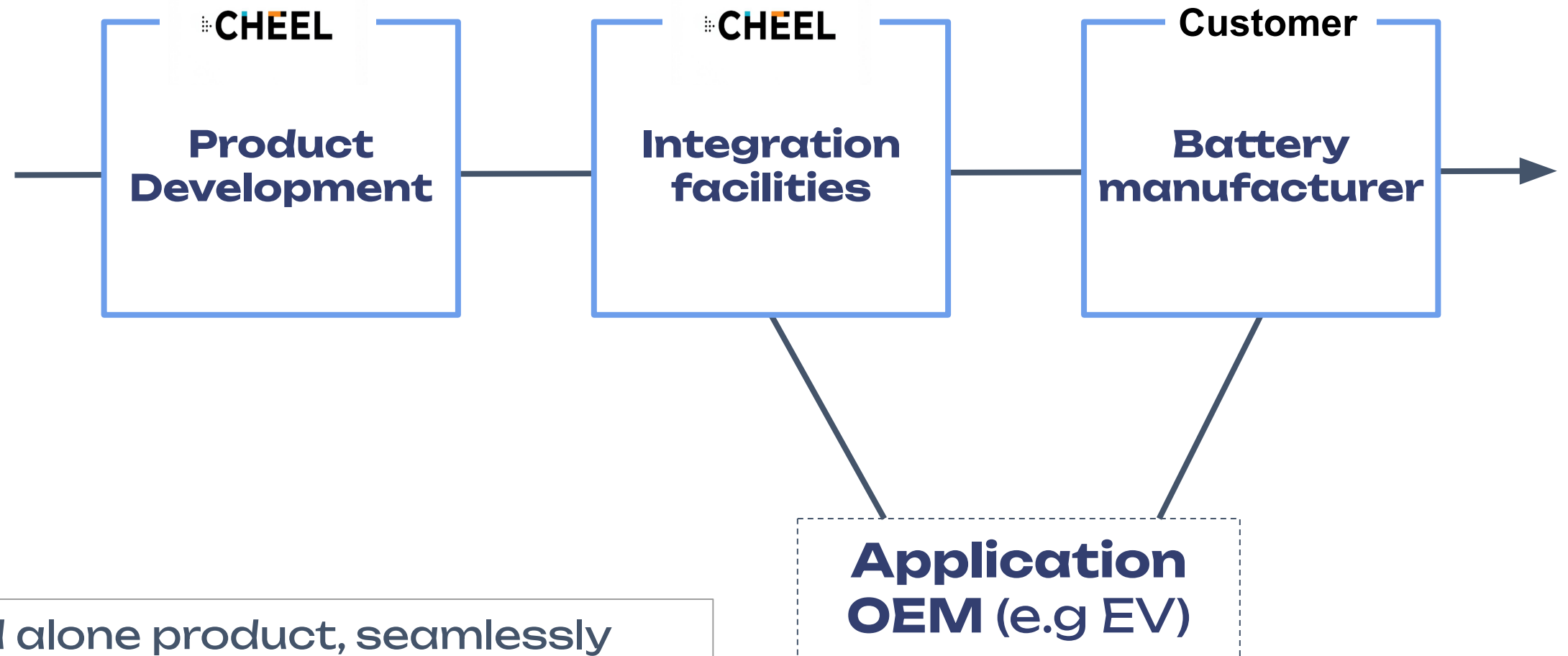
GTM strategy

Market penetration and scaling to major market



Business model

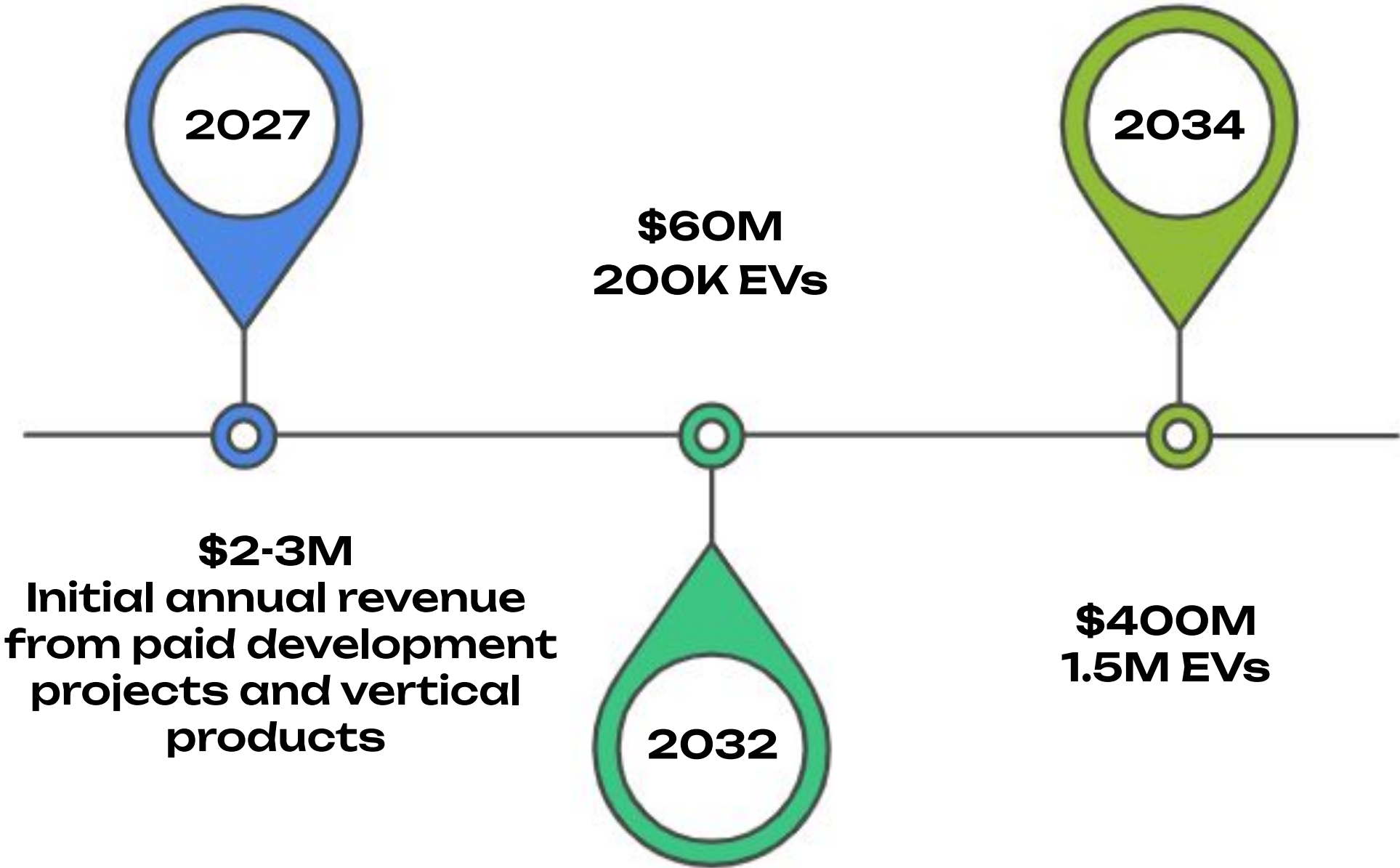
Seamless integration into existing battery supply chain



Cheel's sells a stand alone product, seamlessly integrated to existing battery manufacturing lines

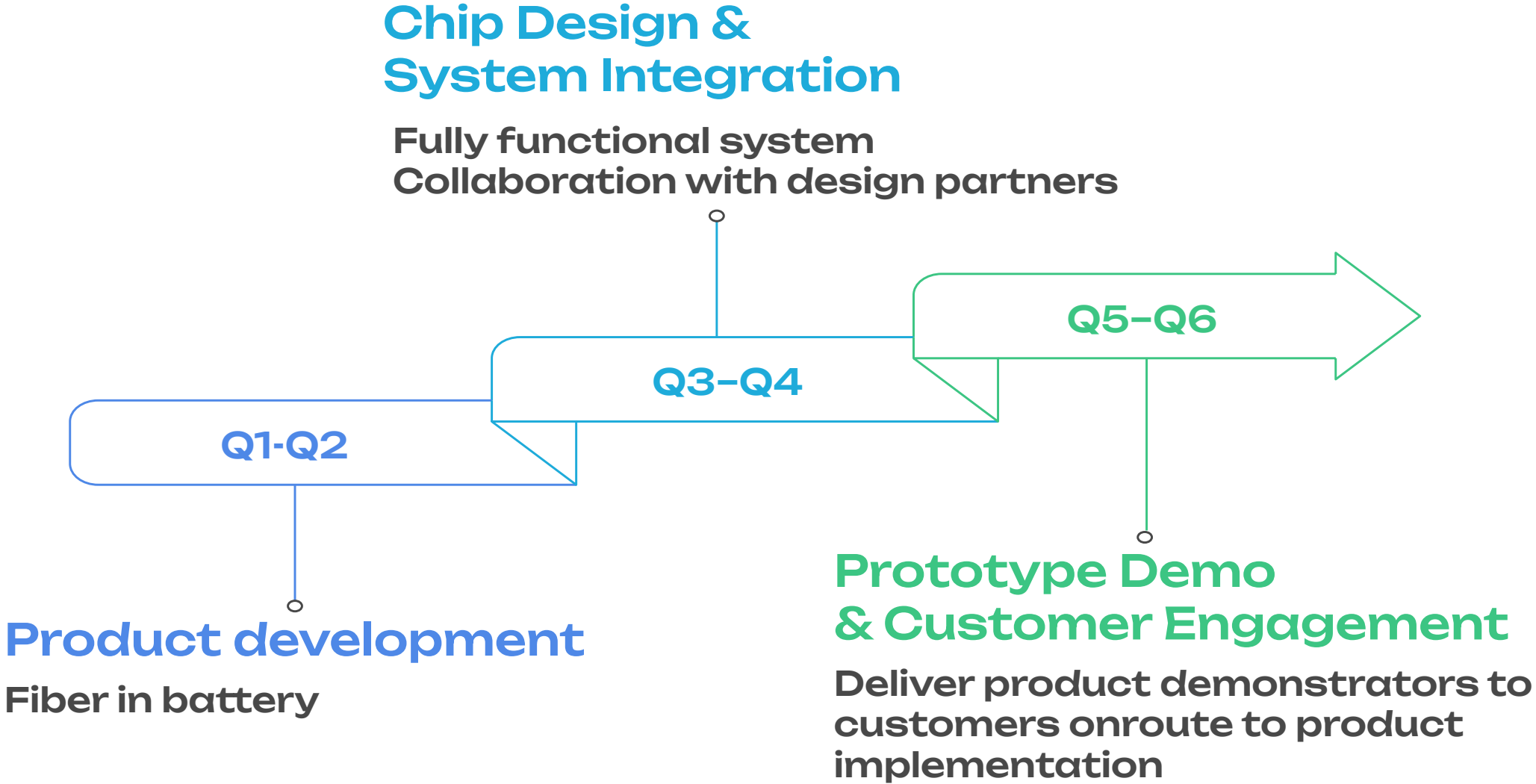
Revenue Strategy

Gradual transition and scale to EVs



Roadmap to product

Initial product
provided to
customers within
18 months for
system integration



Summary and call to action

We are seeking a
partner to invest
and join our journey

The solution Disruptive prevention of thermal runaway to unlock the technology barrier

What we need An Investment partner to join in on our journey

What we will achieve Product samples sent out to customers for market engagement and technical validation

Come Join us!



Thank you