



ENSURGE™



# Investor Presentation

15 May, 2025

# Safe Harbour Statement

This presentation includes “forward-looking” statements, including, without limitation, projections and expectations regarding Ensurge and its subsidiaries (the “**Group**”) and its future financial position, business strategy, plans and objectives (the “**Forward-looking Statements**”).

All Forward-looking Statements included herein are based on information available to the Group, and views and assessments of the Group, as of the date of this presentation.

Ensurge can make no assurance as to the correctness of such Forward-looking Statements and readers are cautioned that any Forward-looking Statements are not guarantees of future performance.

By their nature, Forward-looking Statements involve and are subject to known and unknown risks, uncertainties and/or assumptions as they relate to events and depend on circumstances that may or may not occur in the future.

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No guarantees are given that the intentions, beliefs or current expectations upon which its Forward-looking Statements are based will occur.

Given the aforementioned uncertainties, prospective investors are cautioned not to place undue reliance on any of these Forward-looking Statements.

# Significant progress



## Technology Progress

Microbattery on 10 $\mu$ m substrate proven in 2024

Product demonstrated and shipped to customer

Fast charging time and C-pulse charge confirmed

Improving yield and capacity



## Commercial Customers

Solid and growing pipeline (120+)

Medtech becoming increasingly attractive

Strong focus on JDAs

Battery demonstration driving excitement



## Strategic Partners

Further JDA negotiation with Fortune 500

Accelerating technology roadmap – VED and form factor

Licensing as a path for commercialization of volume markets



## 2025 focus

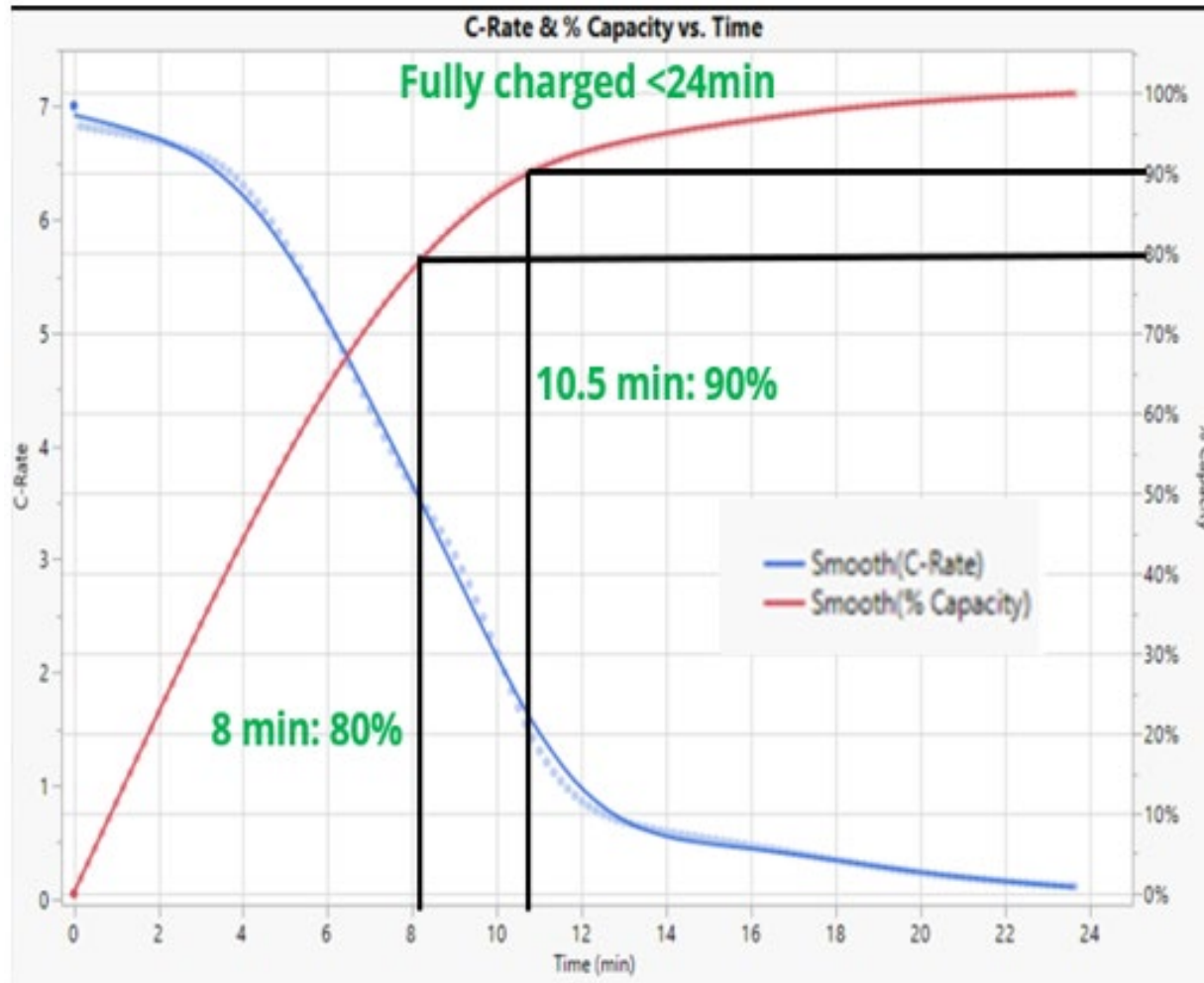
Pack, stack and cycle 28L and 43L

Pursue JDAs to fund technology development

Further ramping up manufacturing capacity

Start delivering 150,000 unit contract end 2025

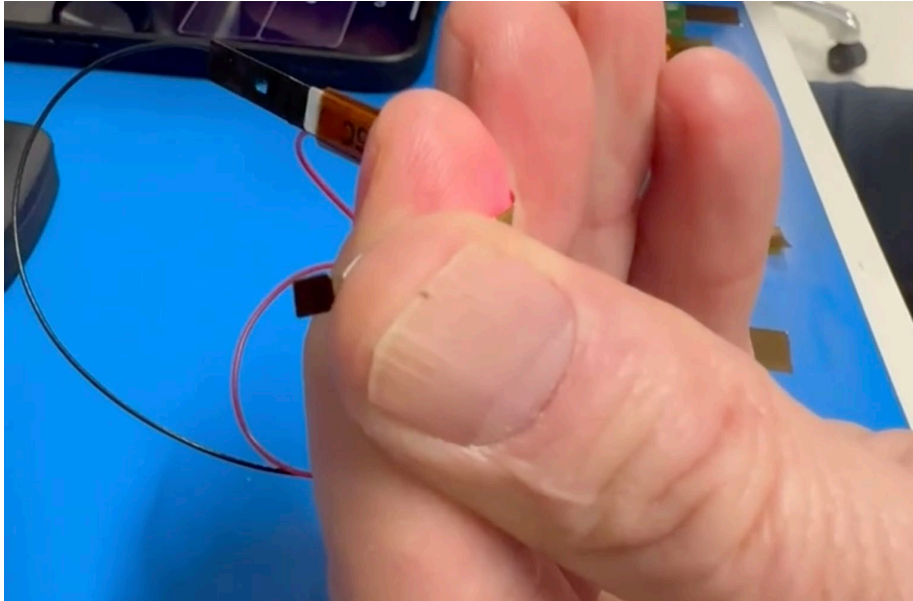
# Fast charging and pulse discharge



## Product benefits

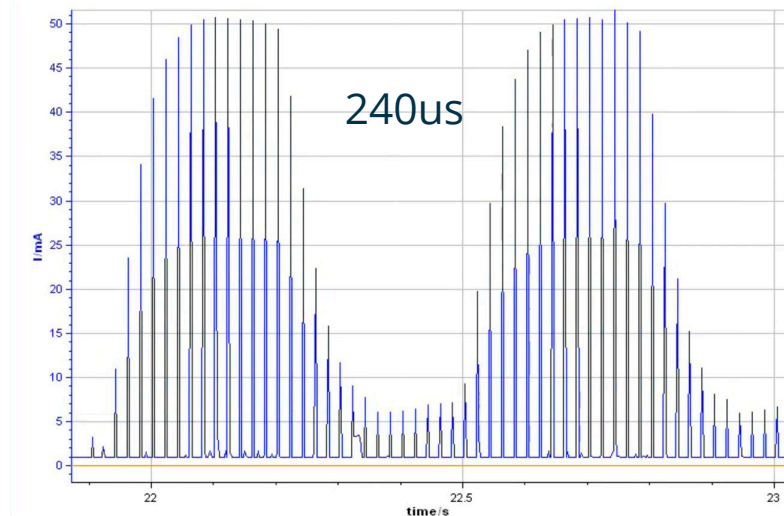
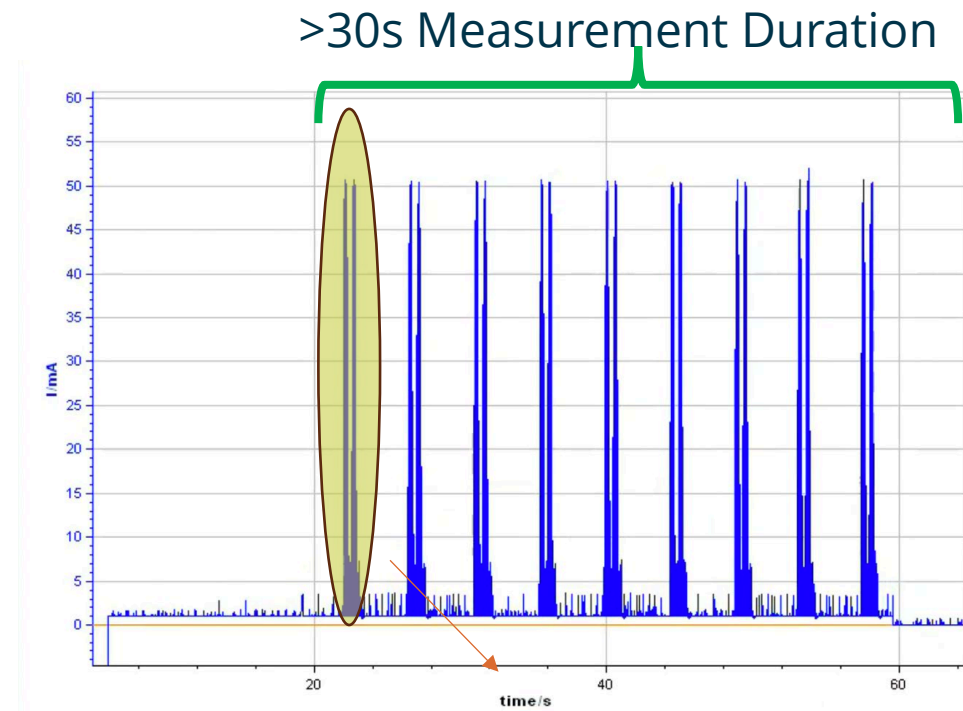
- 4.2V CV charging
- 80% Capacity < 8min
- 5x faster than incumbent batteries

# 12.5C Pulse Discharge

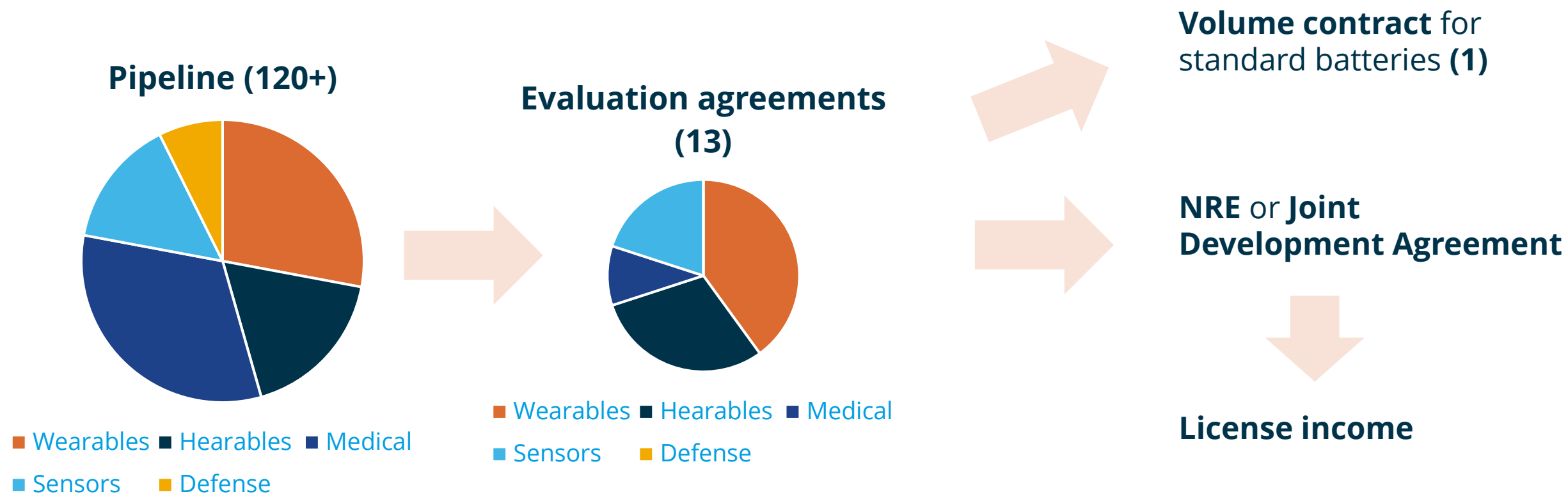


**4mAh** battery drives **50mA** 250us pulse  
Customer Bluetooth – Wearable health  
monitor measurement (12.5C rate)

*Small battery can punch above its weight*  
Make **Devices Thinner & Faster Charging**

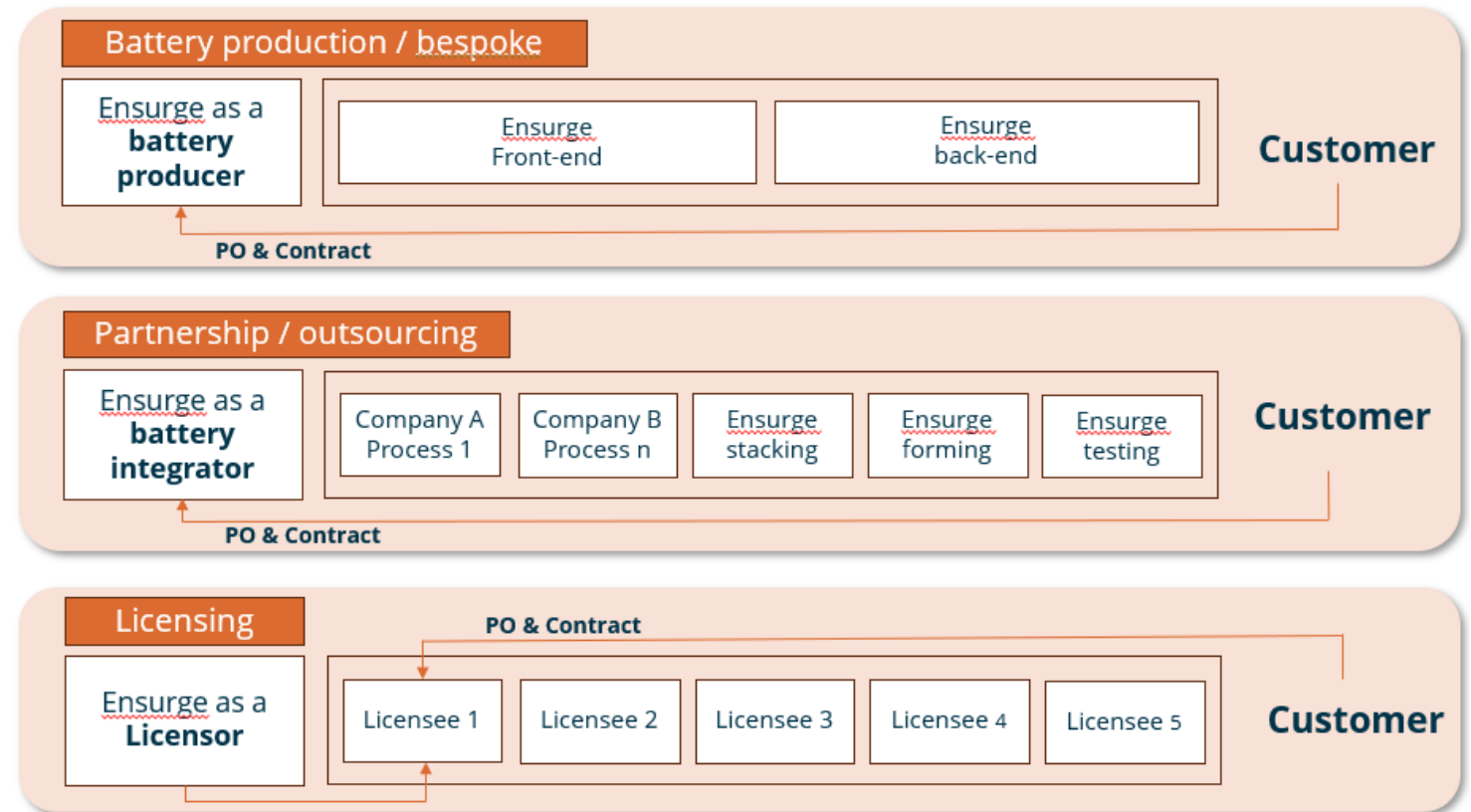


# Commercial Customers – Solid and growing pipeline



# Business model – limit required investments while maximizing market potential

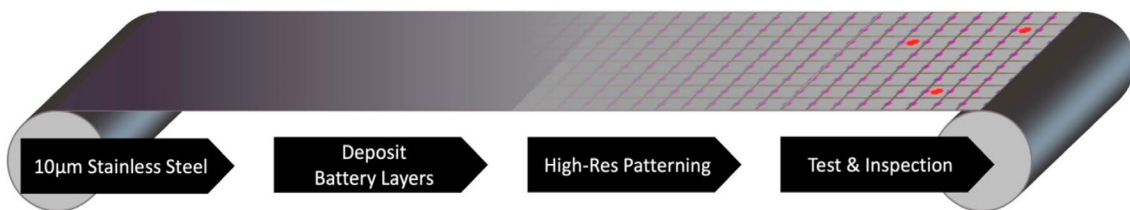
- Focus on innovation and developing next generation batteries
- Complete/upgrade manufacturing line and a development line in parallel in San Jose, CA
- Focus own volume production on premium applications/customers
- Monetize big volume opportunities through licensing agreements



# R2R manufacturing line simplifying customization

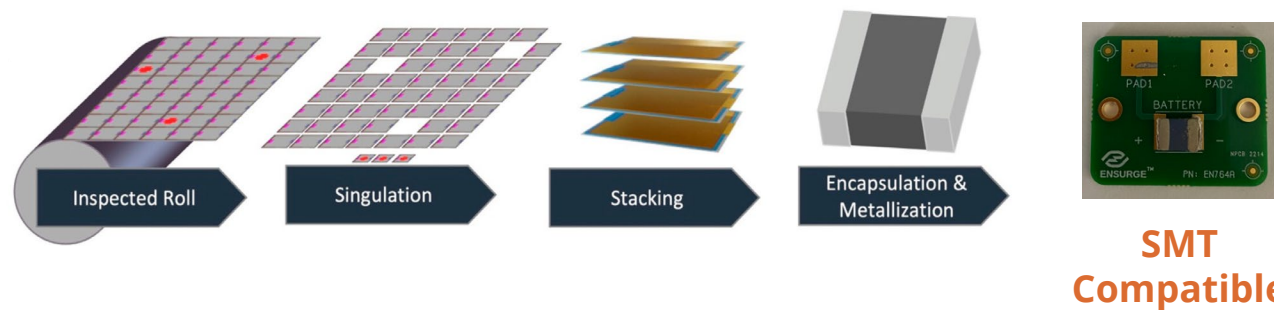
## FRONT END

R2R deposition of cathode and solid electrolyte



## BACK END

Multiple same size unit cells stacked (H) to form a single Ensurge microbattery,

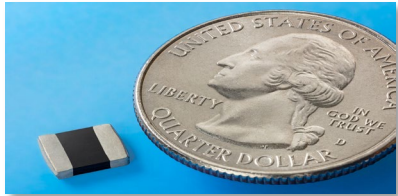


Unit cells cut from roll,  
customizing L x W

Stacked cells encapsulated and  
connectors added on both sides



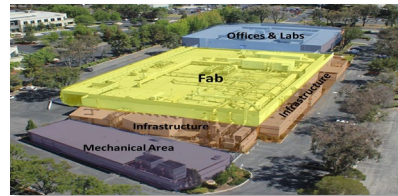
# Summary



## UNIQUE PRODUCT

*Safe* solid-state  
battery with  
best-in-class  
*performance*

*Affordable* price



## DESIGNED FOR SCALE

Technology  
Center in *Silicon  
Valley*

Apply different  
*levers* to scale  
up volumes



## ATTRACTIVE MARKET

*\$10bn+* market  
growing at *26%*  
*cagr*

*Smaller* and  
more *functional*  
devices  
requiring *unique*  
batteries



## HIGH ENTRY BARRIERS

*>\$350 million*  
invested over *15*  
*years*

Extensive *IP*  
portfolio

Accumulated  
*knowledge*



## FRAGMENTED COMPETITION

Weak *incumbent*  
*products*

*Different*  
designs and  
architectures



Thank you!