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Radar Revolution. Delivered.

Arbe's Q4 & FY 2021 Earnings

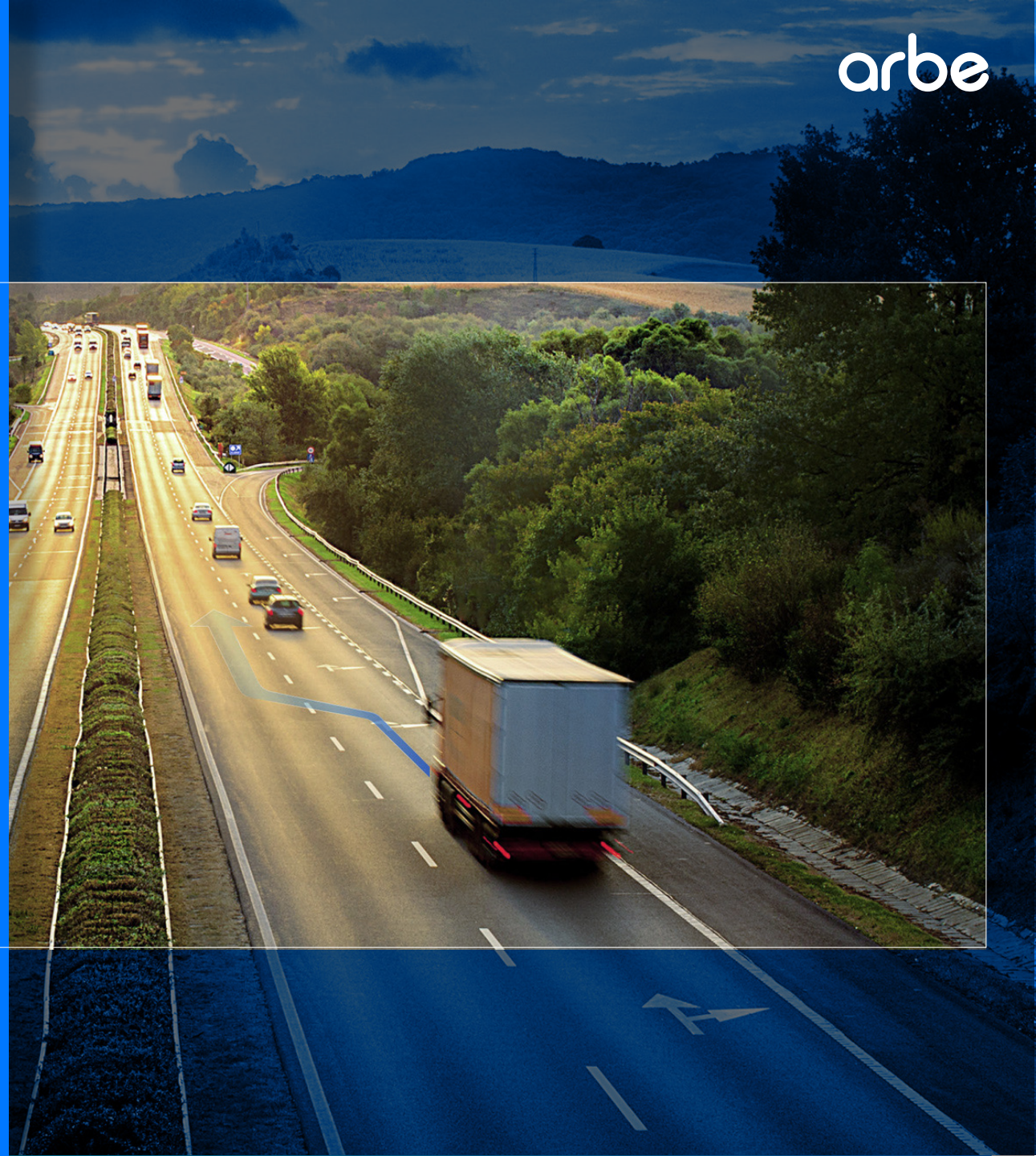
March 2022

Disclaimer

This presentation contains certain “forward-looking statements” within the meaning of the Securities Act of 1933 and the Securities Exchange Act of 1934, both as amended by the Private Securities Litigation Reform Act of 1995. The words “expect,” “believe,” “estimate,” “intend,” “plan,” “anticipate,” “may,” “should,” “strategy,” “future,” “will,” “project, ” “potential” and similar expressions indicate forward-looking statements. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. The financial results described in this press release are based on Arbe’s preliminary financial statements, which are subject to audit by the Company’s independent accounting firm and are subject to any adjustments resulting from the completion of such audit. These risks and uncertainties include, but are not limited to: (i) unanticipated delays or difficulties in connection with the evaluation of Arbe's products in evaluation and test programs; (ii) the success of road pilot programs for Arbe's products, (iii) Arbe's ability to develop significant revenue as a result of the test programs involving its radar system and from customers who purchased Imaging Radar samples; (iv) Arbe's ability to leverage its existing relationships and secure test programs and orders resulting from the test programs; (v) Arbe's ability to meet its projected revenue level and its ability to operate profitably; (vi) Arbe’s ability to meet is timetable for full production; (vii) Arbe's expectation that it will be engaging with Tier 1 suppliers and OEMs which would be building the radars based on its Chipset solution, eliminating expenses associated with system completion, requirement for undertaking significant capital expenditures associated with developing mass production manufacturing and the expenses of operating any such manufacturing capability; (viii) the effect of inflation and supply chain issues on Arbe’s cost and its development schedule, including Arbe's ability to obtain semiconductor products when needed and at a reasonable price; (ix) Arbe's expectation that radars are crucial to the automotive industry and will be deployed in nearly all new vehicles as a long range, cost-effective sensor with the fewest environmental limitations; (x) Arbe's belief that the Arbe Radar Chipset heralds a breakthrough in radar technology that will enable Tier 1 manufacturers and OEMs to replace the current radars with an advanced solution that meets the safety requirements of Euro-NCAP and NHTSA for autonomous vehicles at all levels of autonomous driving; (xi) Arbe's ability to develop or have access to the latest developments relating to radar and autonomous driving vehicles; (xii) Arbe's ability to have products manufactured for it by third parties that meet Arbe's and its customers quality standards and delivery requirements; (xiii) Arbe's ability to attract and retain highly skilled personnel and senior management, including research and development, sales and marketing personnel; (xiv) Arbe's ability to develop and market products based on its radar technology for uses outside of the automotive industry; (xv) accidents or bad press resulting from accidents involving autonomous driving vehicles, even those using radar products from other companies or based on other technology; and the effect of any accidents with vehicles using Arbe's radar system; (xvi) the failure of the markets for Arbe's current or new technologies and products to materialize to the extent or at the rate that Arbe expects; (xvii) unexpected delays or difficulties related to the development of Arbe's technologies and products; (xviii) the effect of laws and changes in laws that have an effect on the market for or the requirement for autonomous vehicles; (xix) the effect of COVID-19 and any new variants or any pandemics or multinational epidemics and actions taken by governments and industry to address the effects of the pandemic and the corresponding macroeconomic uncertainty; (xvii) risks related to the potential impact of new accounting standards on Arbe's financial position, results of operations or cash flows; (xx) changes or inaccuracies in market projections; (xxi) changes in Arbe's business strategy; and (xxii) the risk and uncertainties described in “Risk Factors,” “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” “Cautionary Note Regarding Forward-Looking Statements” and the additional risk described in Arbe’s prospectus dated November 2, 2021, which was filed by Arbe with the Securities and Exchange Commission on November 4, 2021, as well as the other documents filed by Arbe with the SEC. Accordingly, you are cautioned not to place undue reliance on these forward-looking statements. Forward-looking statements relate only to the date they were made, and Arbe does not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date they were made except as required by law or applicable regulation.

Arbe is the first company to develop an imaging radar based on a proprietary chipset

Offering the best performance in the industry, enabling free space mapping for truly safe Level 2.5 – Level 5



About Arbe: First Mover & Market Leader in 4D Imaging Radar

World's First

Ultra high resolution radar solution

Proprietary chipset

Perception radar algorithms

Paving the way for an autonomous future

Arbe Today

Founded in 2015

team members 130

R&D 80%

Nasdaq listed ARBE

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Mission: From safe roads to autonomous driving

30
Strategic Relationships with Global Tier 1s and Auto / Industrial OEMs

$312M
In 2025
Projected Revenue

$2.8B
in 2025E
Projected Order Book

$11B
in 2025E
Projected Automotive Radar TAM

The Market

OEMs

- 2025 and up
- Level 2.5 / Level 3
- High volume
- Innovation and safety

Trucks

- 2023 and up
- Level 2.5 / Level 3
- Low volume
- Safety and efficiency

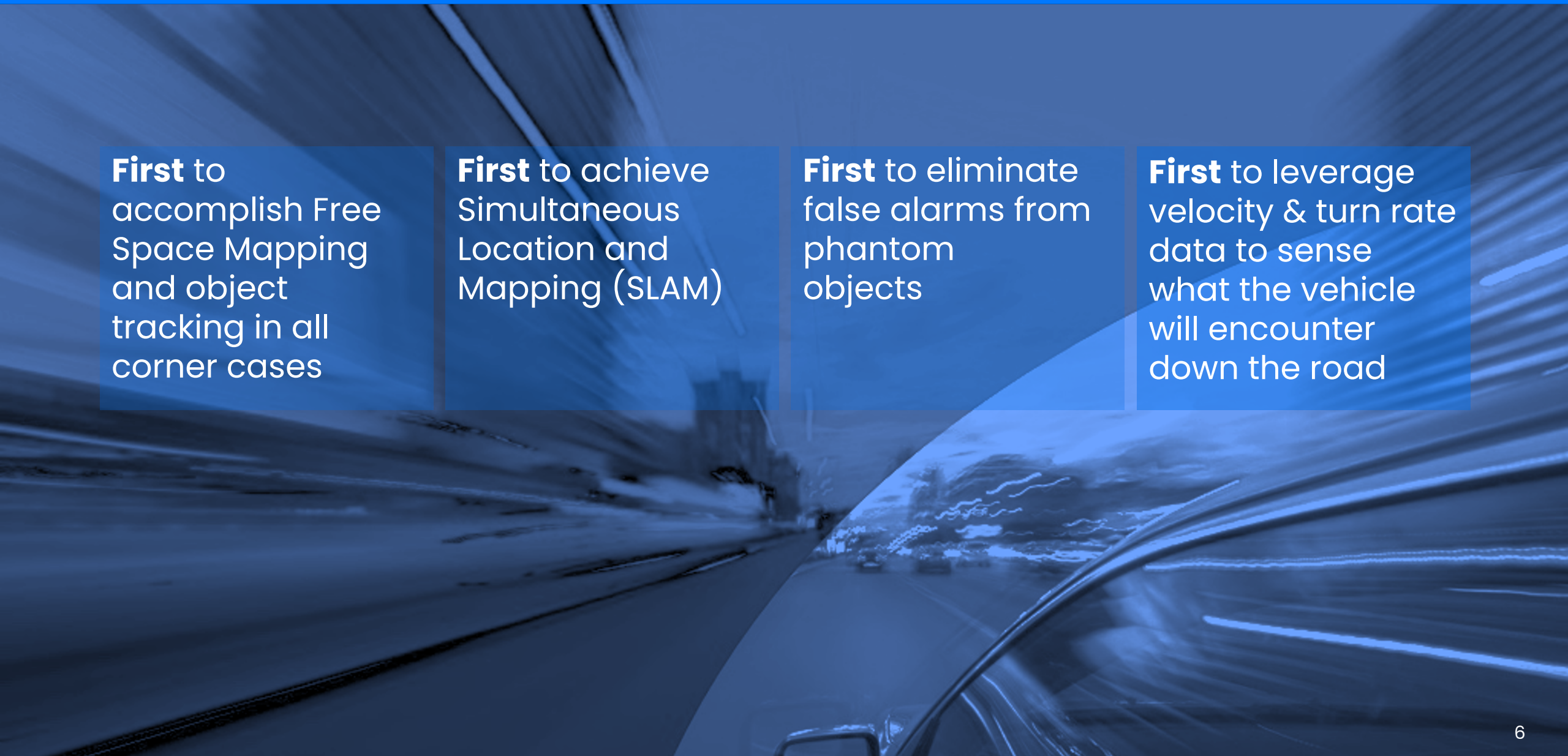
Delivery robots

- 2023 and up
- Level 4
- Mid volume
- Efficiency

RoboTaxi

- 2024 and up
- Level 4
- Low volume
- Not clear

Perception Imaging Radar
A Radar of Firsts



First to accomplish Free Space Mapping and object tracking in all corner cases

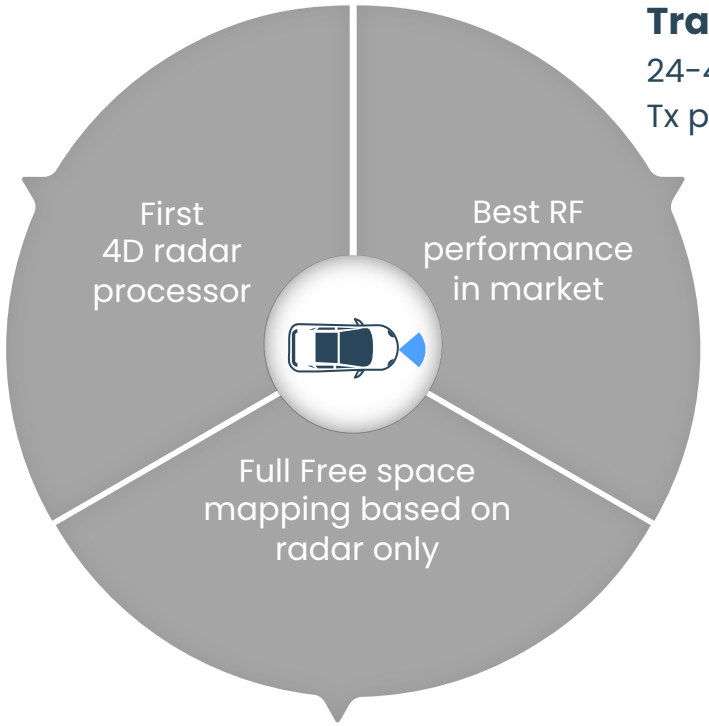
First to achieve Simultaneous Location and Mapping (SLAM)

First to eliminate false alarms from phantom objects

First to leverage velocity & turn rate data to sense what the vehicle will encounter down the road

The Only Automotive HD, 4D Imaging Radar Solution

Everest Radar Processing Unit
Advanced radar control supporting up to 48 Rx * 48 Tx channels



Transmitter
24-48 transmitters, Tx power control

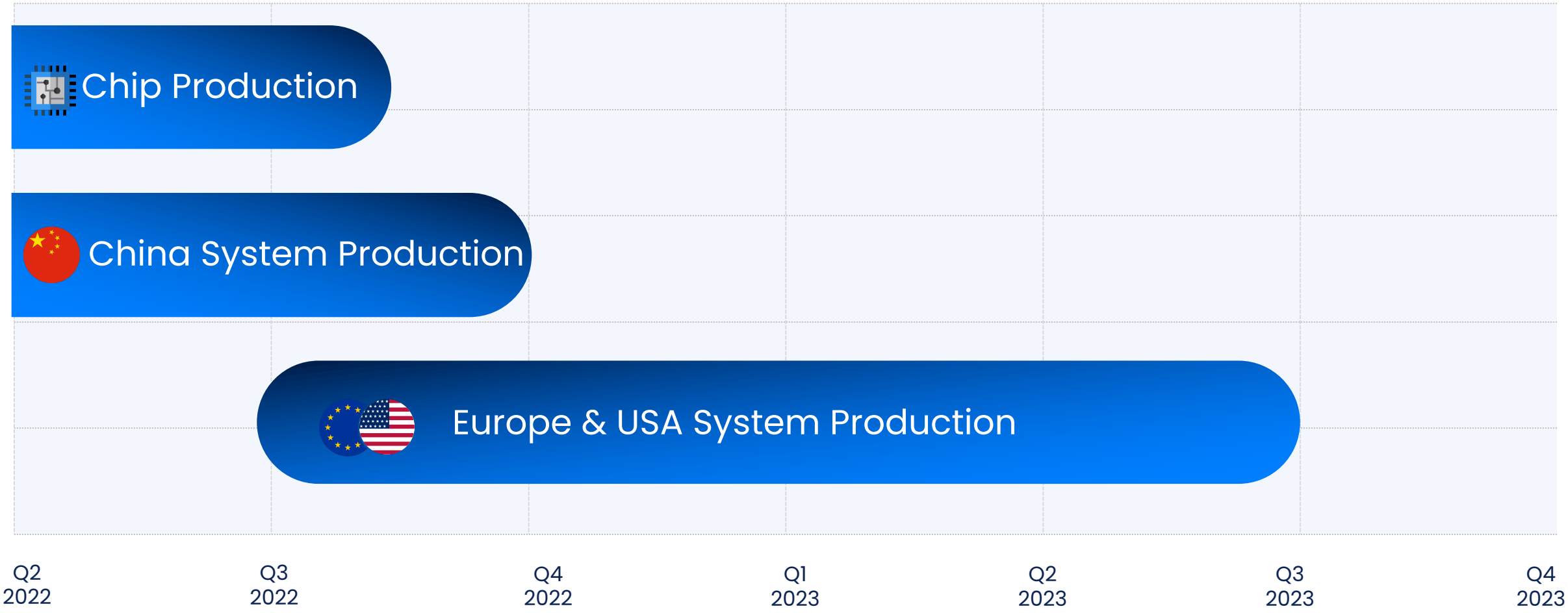
Receiver
12-48 receivers, large Rx dynamic range

AI Algorithms
2-stage vision post-processing capabilities

Top Benefits

- Enabling free space mapping for safe L2.5 and L3 without LiDAR
- Functional in various weather and lighting conditions
- Long-range and wide field of view
- 4D ultra high-resolution – 12x better than the competition
- Mass production pricing of $100-$150
- Mutual interference avoidance patented technology
- Small size – optimal for concealed installation

Production Timeline



Based on current estimations

Guaranteed Capacity

Latest 4D Imaging Radar technology

Experienced Multi-billion Global semiconductor foundry

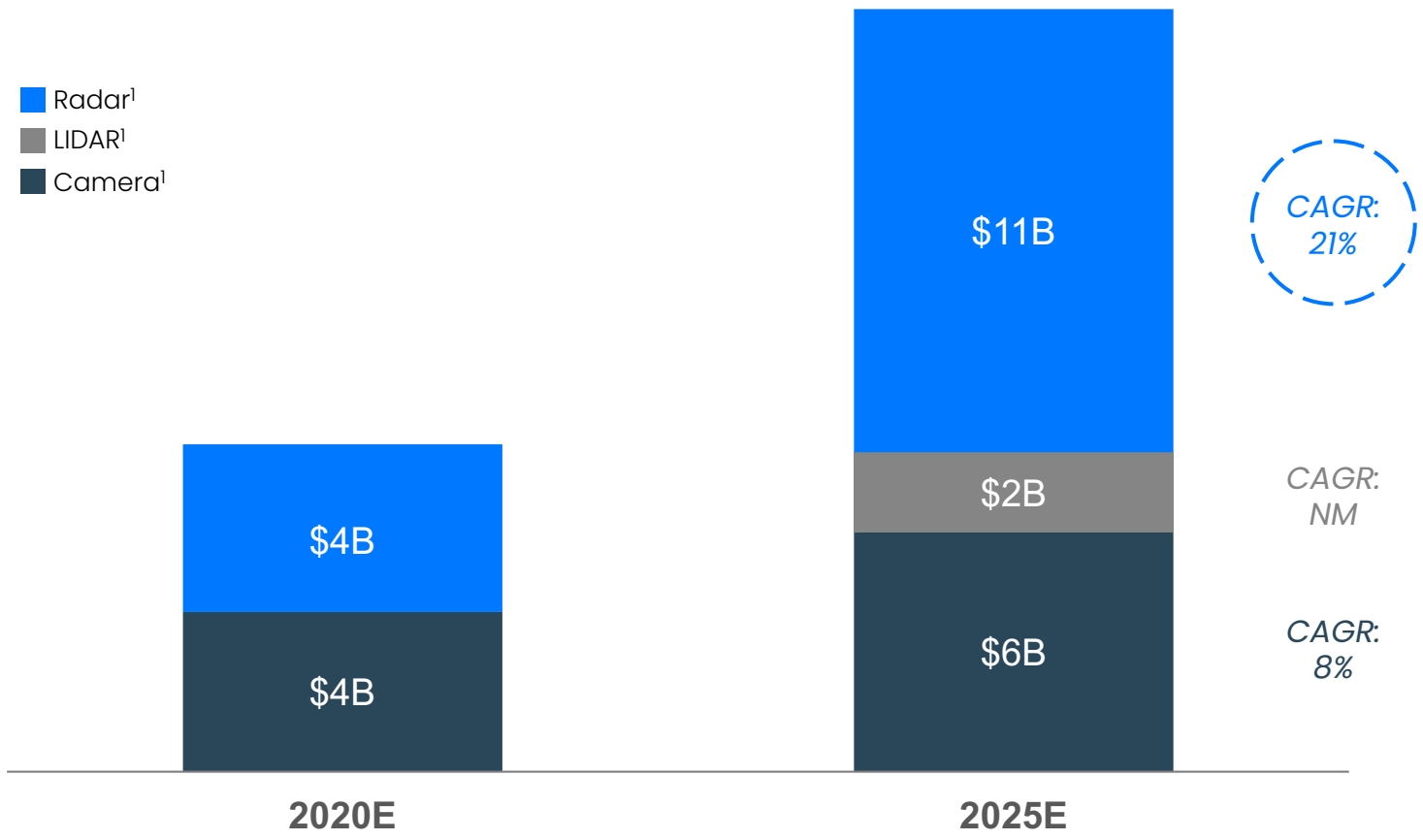
GlobalFoundries will

- Qualify and characterize
- Guaranty AEC-Q100 qualification
- Lead production line
- Fully own final chip testing
- Manage chipset supply chain

Guaranteed supply and committed availability

Large & Growing Radar TAM Opportunity

Largest, Fastest Growing Segment of the Automotive Sensor Market



[1] Industry and Wall Street research estimates

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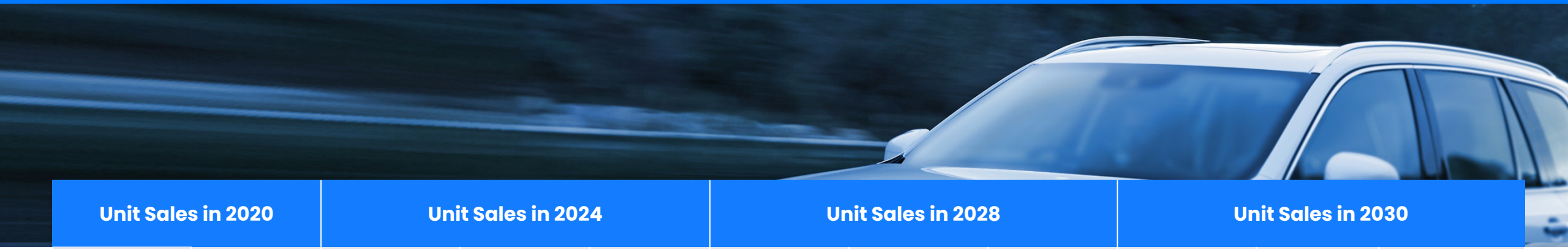
Radar TAM Opportunity

$11B
Automotive 2025E TAM[1]

$4B
Industrial 2025E TAM [1]

$13B
Aerospace & Defense 2025E TAM[1]

Radar Sales Forecast (In K)



Unit Sales in 2020		Unit Sales in 2024			Unit Sales in 2028			Unit Sales in 2030		
SRR/MRR	LRR	SRR/MRR	LRR	3D/4D Radar	SRR/MRR	LRR	3D/4D Radar	SRR/MRR	LRR	3D/4D Radar
179,910	42,280	201,680	68,300	3,600	232,950	103,050	11,450	249,380	105,990	18,710

- 3D/4D Radar forecasted from 2024
- Part of LRR will also merge with 3D/4D Radar split

Frost & Sullivan, December 2021

Growth Drivers

Autonomy Level	Level 1	Level 2	Level 3	Level 4-5
				
# of Sensors per Vehicle[1]				
Radar	3	3-5	+5	6-10
Camera	2	≤4	6-8	6-8
LIDAR	0	0	0-1	1-3
% of Cars in 2025E[2]	25%	65%	10%	<1%
Automotive Radar TAM 2025E[2]	$3B	$7B	$1B	$0.1B

- Next gen high resolution radars required for L2.5 – L5
- Strong growth for L2 / L2.5 in 2025
- As the level of autonomy rises, vehicle will require more radar units

1 NXP Automotive Radar Teach In, August 26, 2020 2 Industry and Wall Street research estimates

Review of Q4 & 2021 Business Achievements

Short Listed

17 projects
On top of existing

8 OEM

5 RoboTaxis

4 Autonomous truck

Current Customers

BAIC
OEM

TOP 10 OEM
AI-based radar tech for perception

autoX
RoboTaxi

TOP 5 OEM
Pre-production

HYUNDAI MOBIS
Pilot Program

Smart mobility project

Design-in

Tier 1s Developing and Shipping Arbe-based Automotive Radar Systems

qamcom — Non-automotive

Valeo — Top ADAS tier 1

Leading radar player commenced design in Q4

WEIFU — Shipping samples, Production ready by Q4.22

经纬恒润 JINGWEI HIRAIN — Won an OEM deal with BAIC

Business Growth 2020-2021

+12

Customer Pilots

+17

New Short-listed Projects

x6.7

Revenue Growth YoY

x4.7

New Orders

Organizational Growth

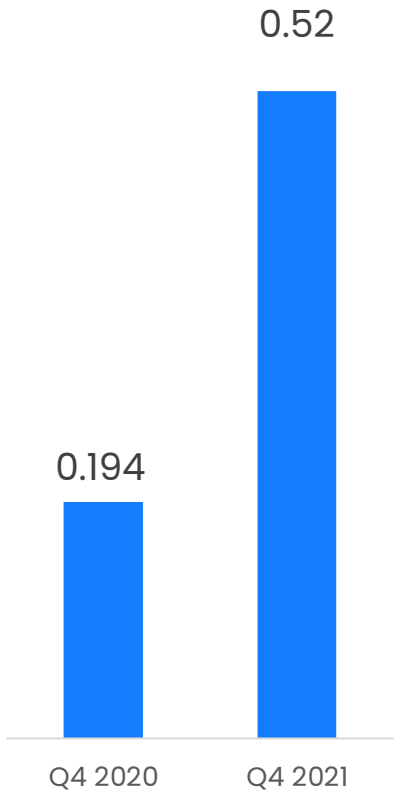
Total Team
73 to 112
+53%

R&D
62 to 90
+45%

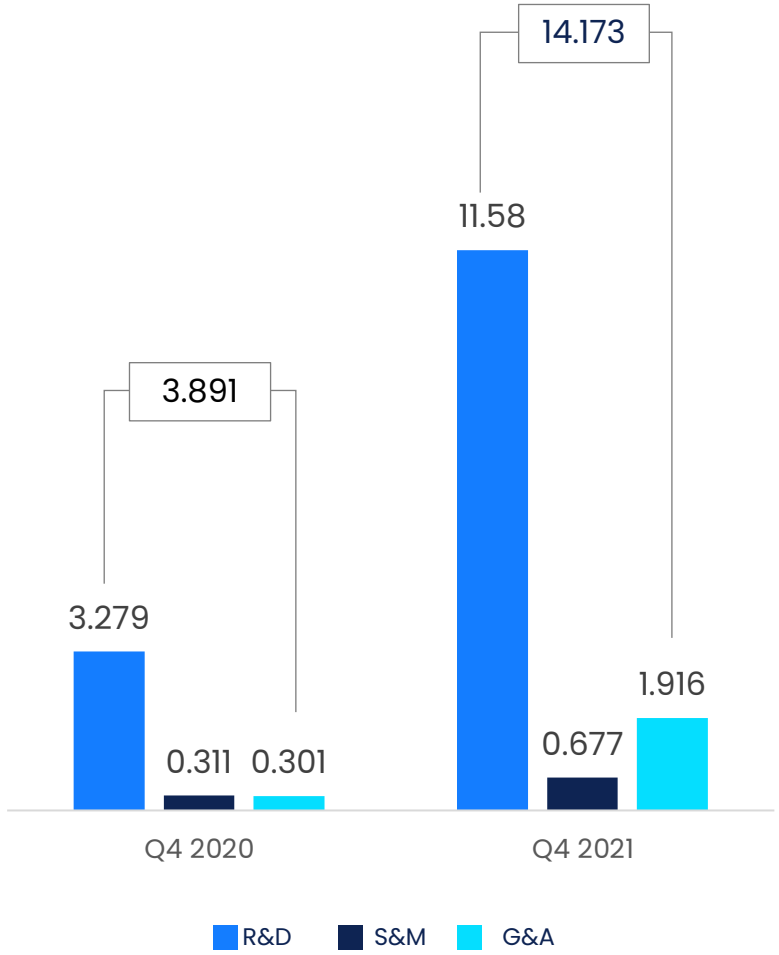
SG&A
11 to 22
+100%

Q4 Financial Results

Revenue ($M)

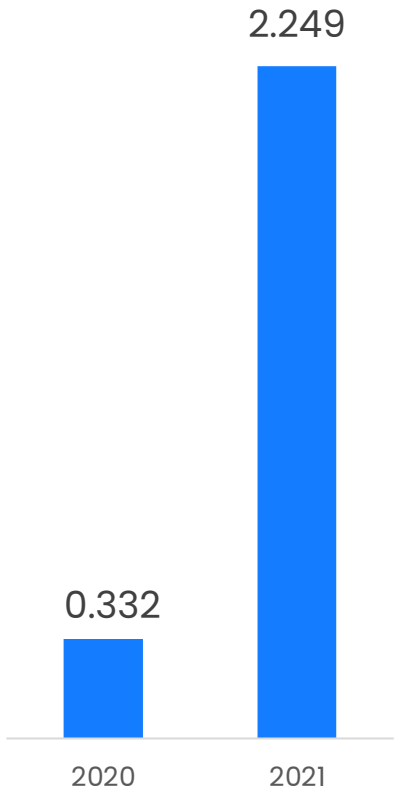


OpEx ($M)

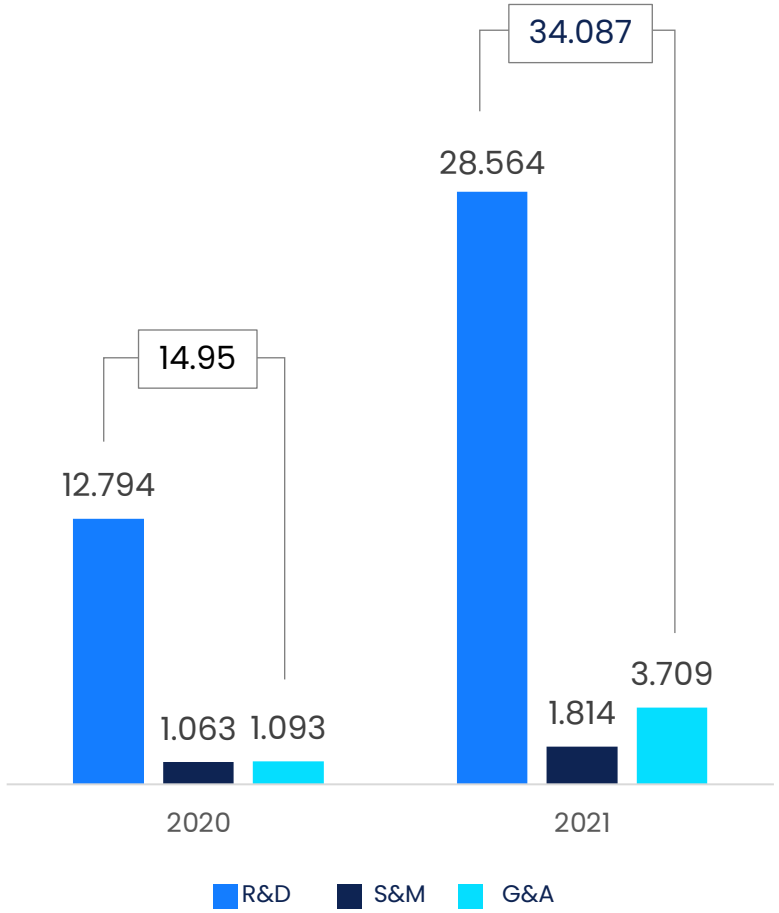


Q4 Financial Results

Revenue ($M)



OpEx ($M)



2022 Business Goals

Tier 1s

2 Top Tier 1s in the US and Europe

Began working with Arbe

Customers

8 Design Wins

Outlook

$7M to $11M Revenues

($34M) to ($38M) Adjusted EBITDA

On Track to 2025

The Road Ahead

- High-definition imaging radar will **change the auto market**
- Our solution is **miles ahead** of the competition
- A range of new vertical **opportunities** will open
- We intend to win **significant market share** by 2025

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Radar Revolution. Delivered.

Thank You

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