



Safety At Speed

Matt Fisch - Chairman and CEO



August 2024



Disclaimer

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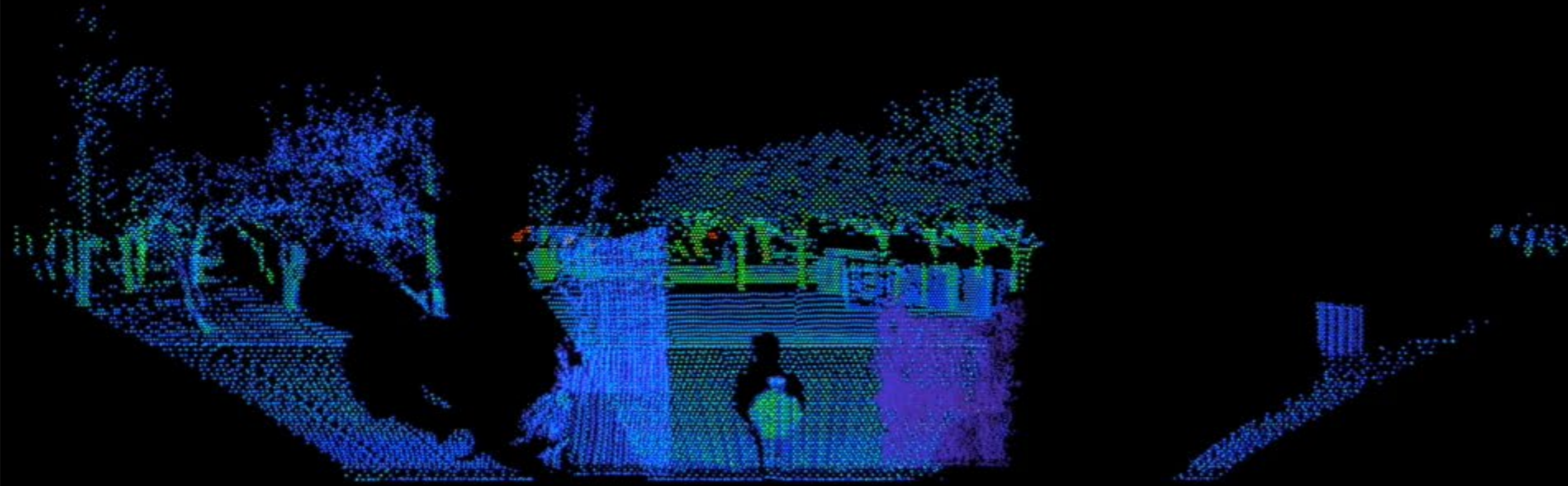
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Lidar Technology: Unmatched 3D Vision and Nighttime Clarity



Pedestrian walking in the dark



4Sight with ROI at Horizon



RGB Camera

Why Lidar is a Critical Technology for Automotive

» Safety

- Sees in 3D: Reduces false alarms
- Extended range protects high speed driving
- Improves sensor redundancy for greater safety performance
- Meets critical cases outlined by recent NHTSA regulations
- Sees where cameras are blind
- Sees smaller objects versus radar

» Autonomy

- Seeing in 3D is critical to feed sound AI decisions
- Missing link to enable high speed driving

AEye 4Sight Lidar Technology vs. Camera



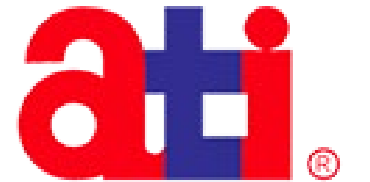
Key Investment Drivers

- » Large and Growing Market Opportunity for Lidar
- » Capital-Light, Scalable Business Model
- » Disruptive Technology Innovator
- » Advanced Market-Ready Lidar Product

Experienced Leadership Team



Strong Partners & Investors*

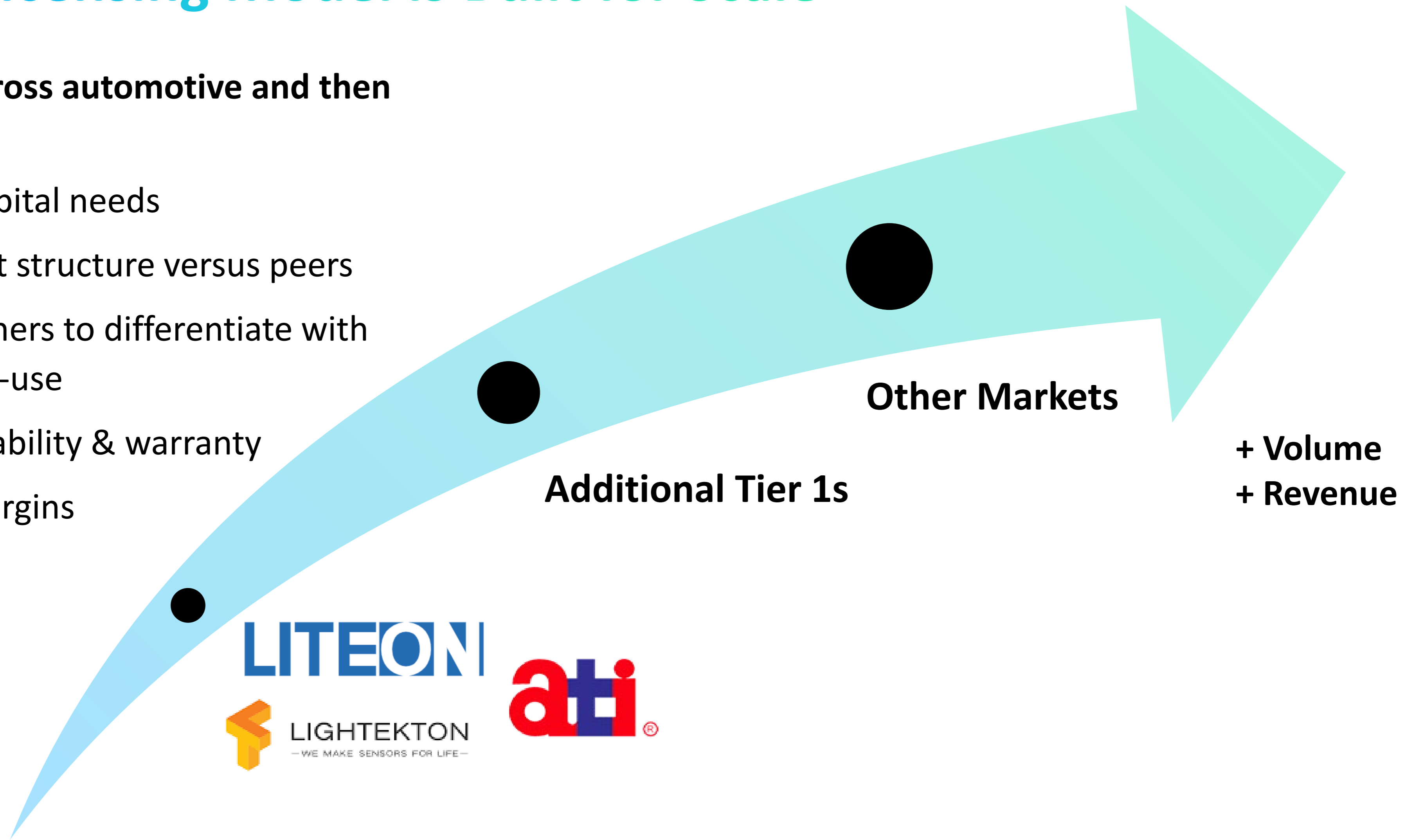


*Includes current and historical partners and investors

Capital-Light Licensing Model is Built for Scale

» “Rinse and repeat” across automotive and then other markets

- Minimal working capital needs
- Up to 10x lower cost structure versus peers
- High ability for partners to differentiate with high supply chain re-use
- No direct product liability & warranty
- High gross profit margins

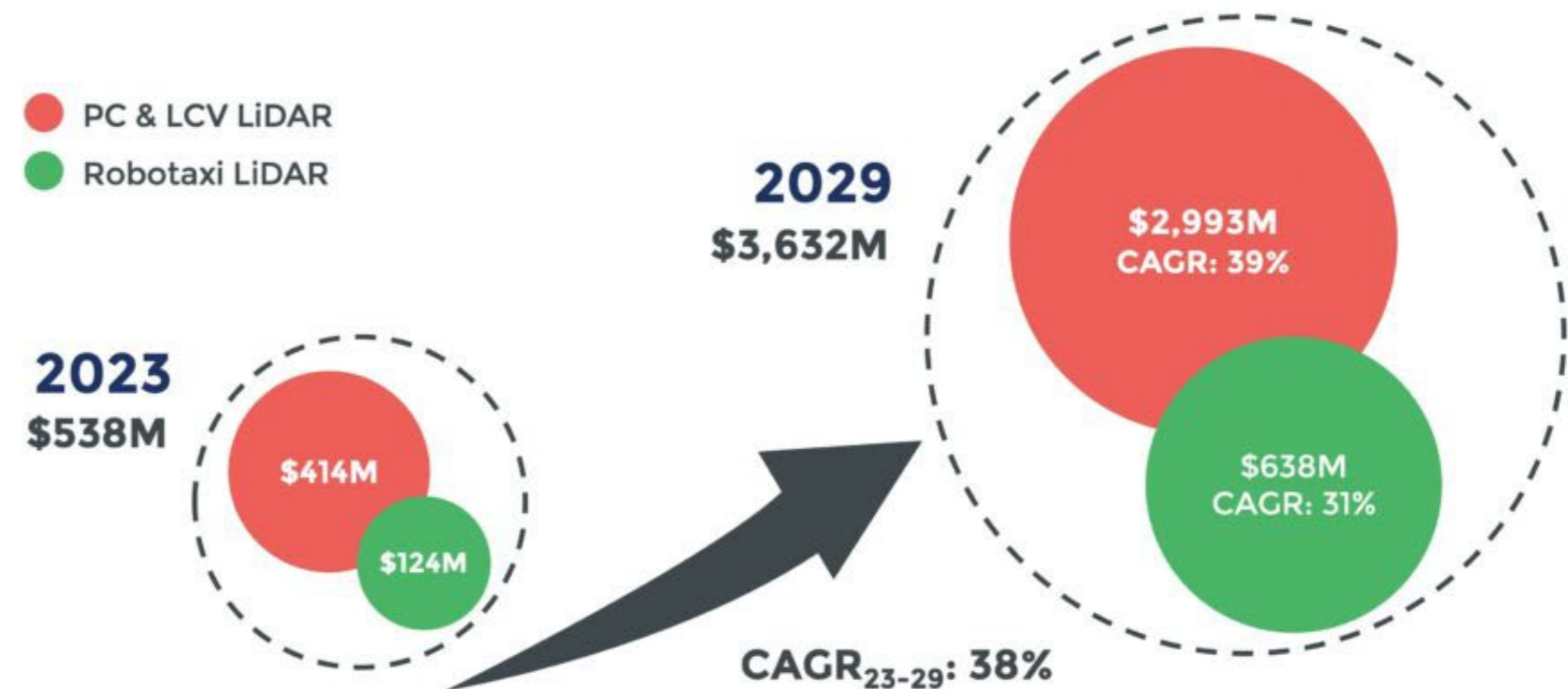


Lidar is a Billion-Dollar Global Market Opportunity

- » \$5B+ TAM in all market verticals
- » \$3.6B TAM in Automotive ADAS
 - Fastest-growing market segment
- » \$2.5B TAM over the next 3 years in China
 - Over 90% of automotive design awards are from China-based OEMs
 - China leads the world in lidar adoption

LIDAR MARKET FORECAST – PC & LCV AND ROBOTAXI MARKET SEGMENTS

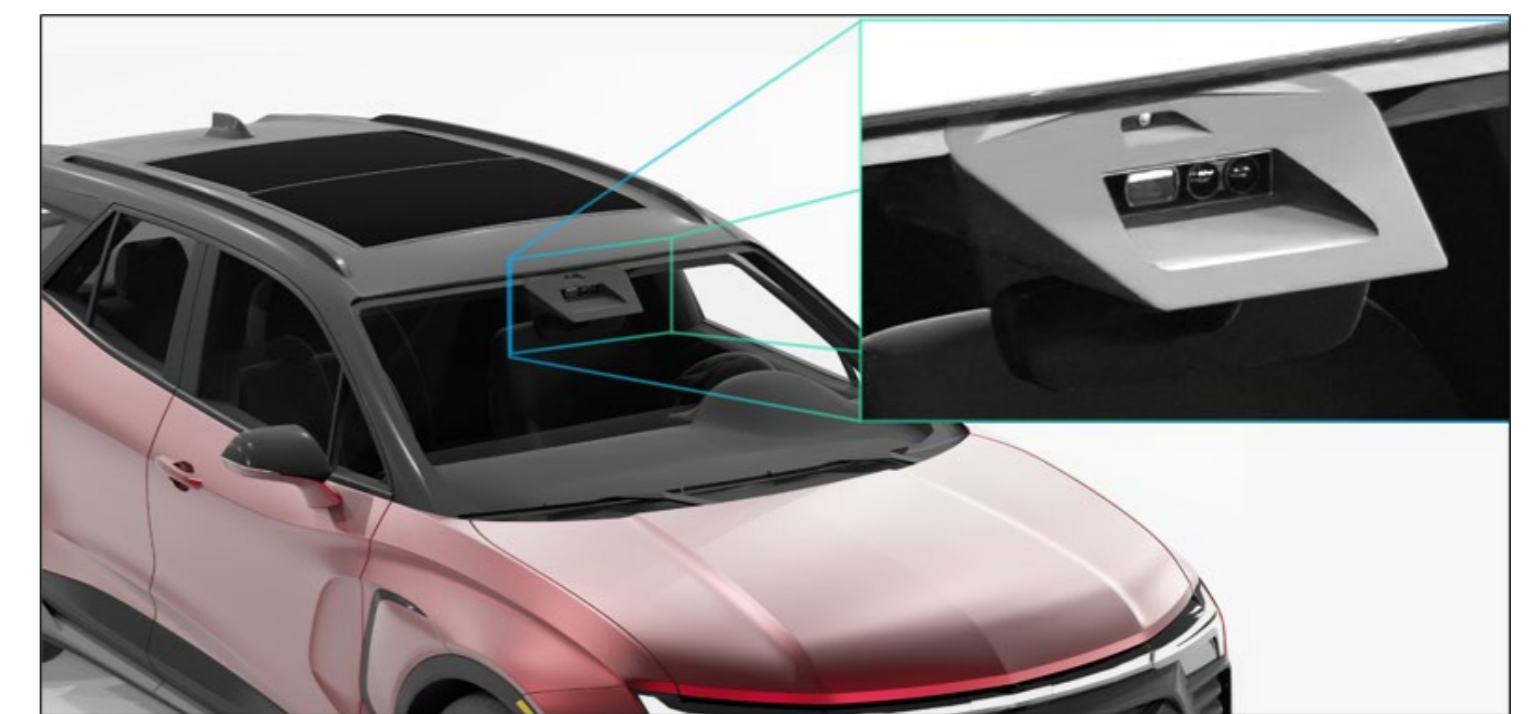
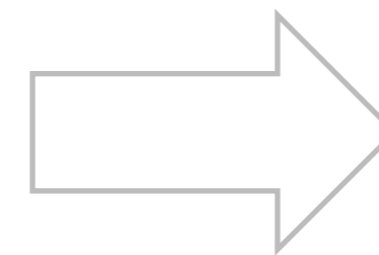
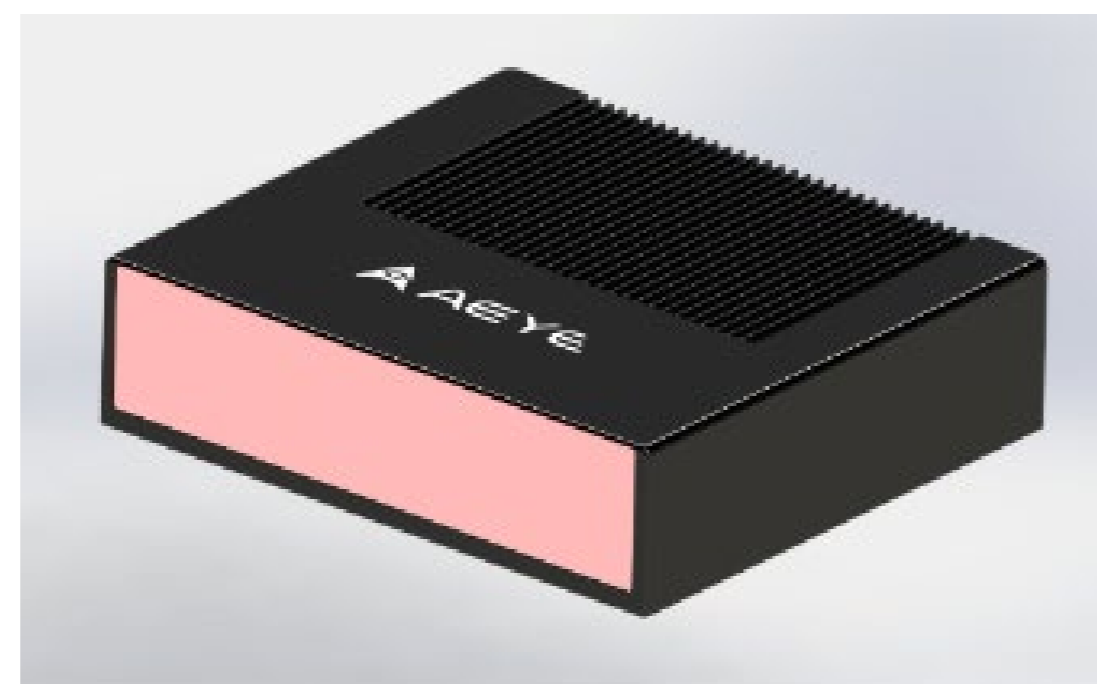
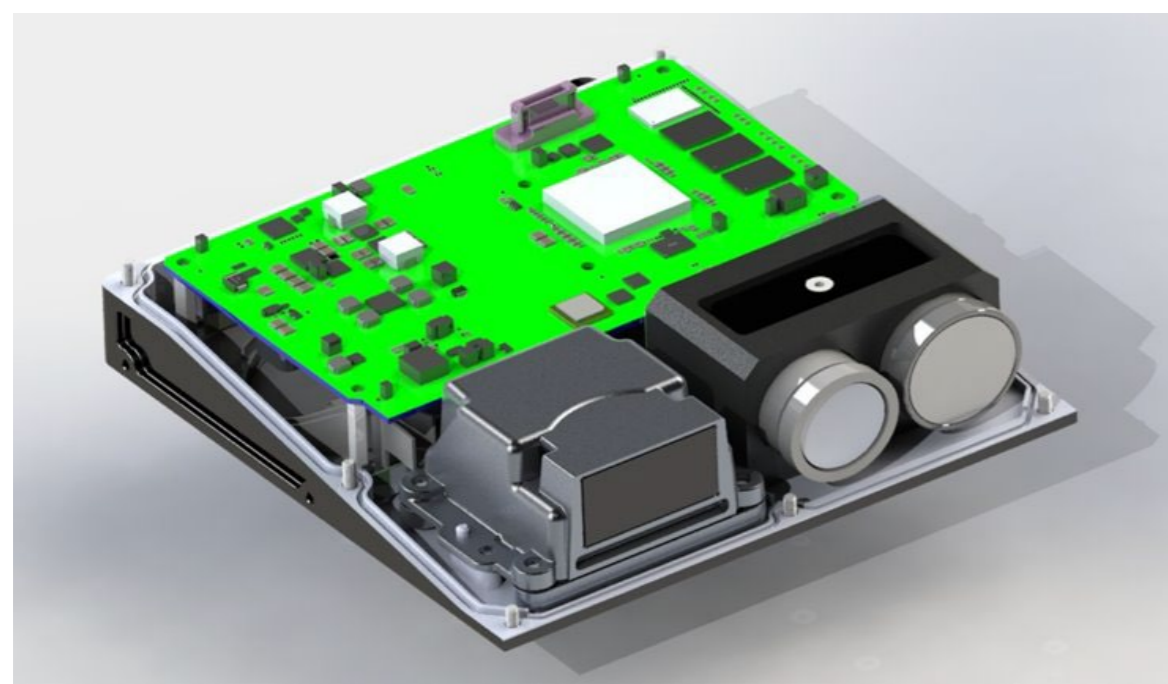
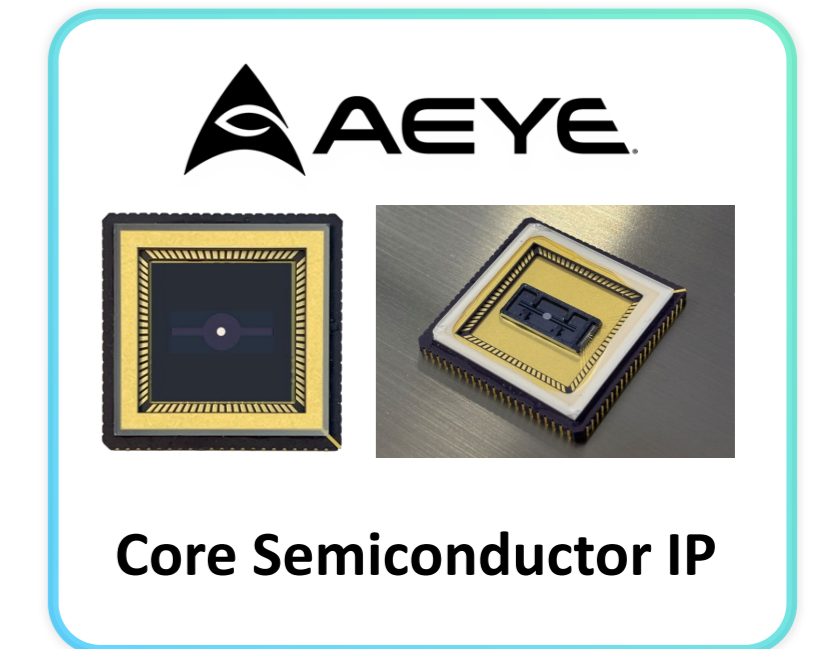
Source: LiDAR for Automotive report, Yole Intelligence, 2024



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Featuring Apollo – based on the 4Sight Flex Platform

- » Ultra-long-range, high resolution detection enabled by 1550nm technology
 - **Safety:** Bi-static system provides high probability of ADAS detection for dim objects at more than 300 meters; **1Km max**
 - **Compatibility:** with ADAS systems due to wide field of view, high resolution and point rate (0.05° x 0.05°; 6M PPS)
- » **SmartScan** engine: unlimited configurations, software defined
 - **Lowest TCO:** 5x faster design cycles; minimal/Zero hardware changes across vehicle lines
- » Automotive grade supply chain, ready for OEM integration. **LITEON** | **Continental**
- » Industry's smallest footprint (3.5cm x 13cm x 15cm) - integration behind windshield, on roof, or in grille



Powerful Partnerships, Aligned with the Ecosystem

- » LITEON is a leading, global Tier 1 provider of electronic solutions for automotive OEMs around the world
 - Established supply chain that is resilient to geopolitical risks
- » ATI is a world class opto-electronics manufacturer that could propel growth in China
 - Production facilities in China and Thailand
- » LighTekton is a high-tech enterprise focusing on photoelectric perception technology in the field of pan-autonomous driving

The logo for LITEON, featuring the word "LITEON" in a bold, blue, sans-serif font. The letter "O" is white with a blue outline.The logo for LIGHTEKTON, featuring a stylized yellow and orange "L" icon to the left of the text "LIGHTEKTON" in a bold, black, sans-serif font. Below the text is the tagline "— WE MAKE SENSORS FOR LIFE —" in a smaller, black, sans-serif font.The logo for ATI, featuring the lowercase letters "ati" in a bold, sans-serif font. The "a" and "i" are red, and the "t" is blue. A registered trademark symbol (®) is located to the right of the "i".

2024 is an Inflection Point for Automotive Lidar



Our compact 1550-nanometer lidar technology meets these requirements without OEM design sacrifices

- » China is driving global lidar adoption through bold innovation and implementation strategies
 - Serves as a leading indicator for the future of lidar
 - China ADAS lidar volumes expected to grow by 153% to 1.52 million units in 2024
- » To implement highway autopilot, OEMs are making performance at over 200 meters a crucial requirement to quote
- » 2024 NHTSA ruling requires multiple new safety features, such as automatic emergency braking (AEB) and forward-collision warnings at 90 mph, in all passenger cars and light trucks by September 2029

First Half 2024 Key Milestones



Completed technology transfer to Tier 1 partner, LITEON



Actively engaged with multiple OEMs & initiated early engagements with several more



June '24 Apollo launch in China, showcasing industry leading size & performance



Significant interest in Apollo tied to OEMs developing highway autopilot, NHTSA safety

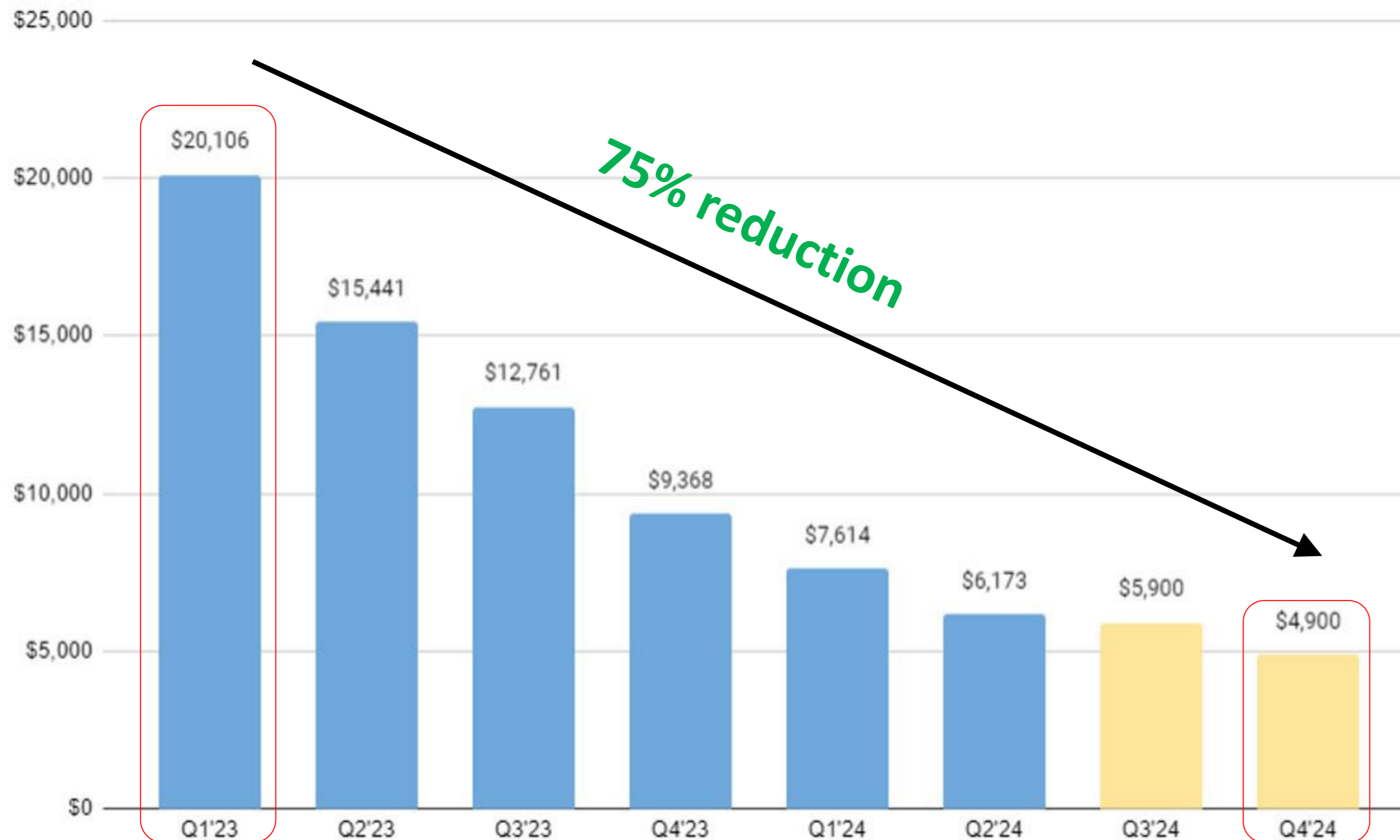


Expect to outperform \$25M cash burn guidance in 2024



New funding sources could significantly extend runway & will support GTM and product design win activities

Cash Management Initiatives and Capital-Light Model Yield Significant Results



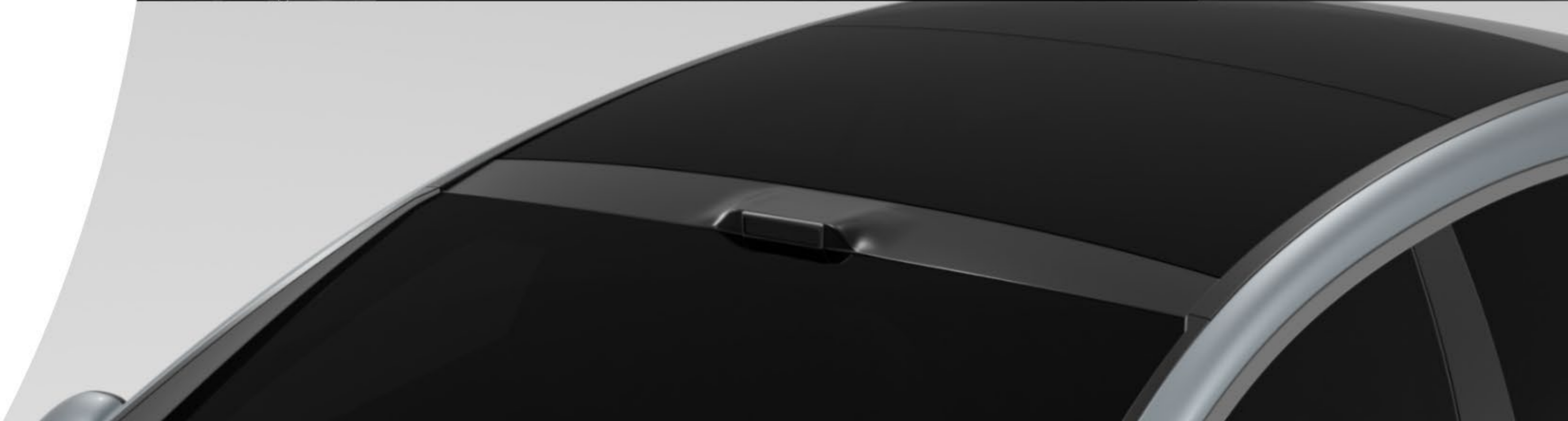
- » On track to a \$25M annualized cash burn for FY24 and an under \$5M quarterly burn rate for Q4'24
- » AEye expects to realize a 75% reduction in burn rate between Q1'23 and Q4'24
- » New \$50M ELOC could significantly extend runway

*Table shows cash outflows and doesn't include inflows from fundraising activities in Q2'24

**Cash savings after Q2'24 driven primarily by facility and personnel related savings

Next Steps

- » Bring Apollo to Market
- » Continued product cost reductions
- » Ongoing cash management plan



Thank you!



Road Tested

