



The Future of E-Mobility and Energy Transition

State of The Advanced EV and Autonomous Mobility Industry 2021

DRAKETALKS







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The Pandemic's Impact on the Auto Industry



4 stages: Emerging trends based on each state

Crisis

- OEMs halt production
- Public transport and shared mobility take a hit

Adjustment

Consumer preferences change rapidly, mobility service providers and automakers must adapt

Recovery

- Automakers and suppliers collaborate to tackle costly R&D
- · Prioritization of electrification given favorable tailwinds
- Exploring more feasible applications for autonomy

Vision

 Tech giants and public/private partnerships drive transformation in the mobility space

Onset of Covid-19

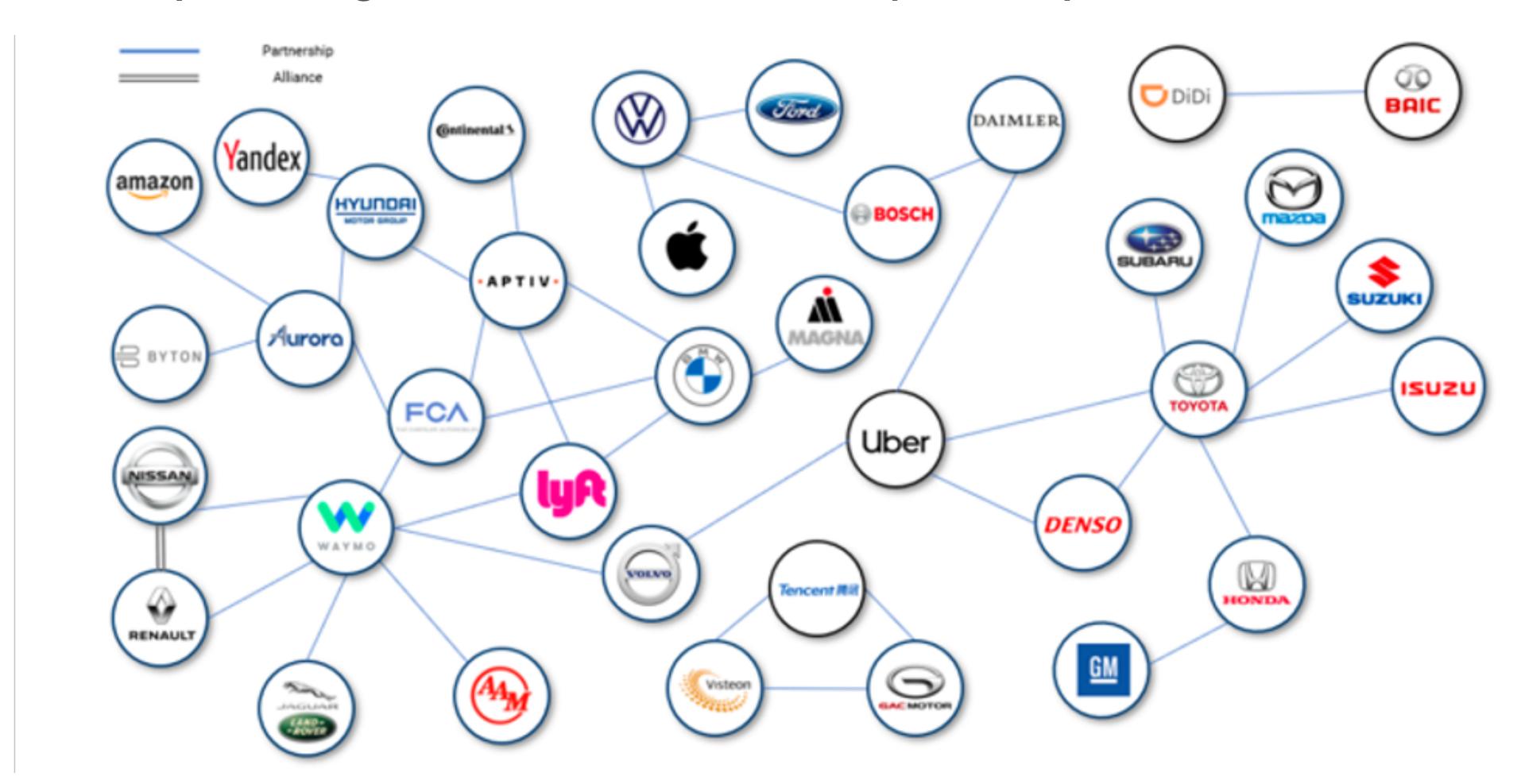
Mid-2020

We are here

4 years from now

Industry Consolidation is Accelerating

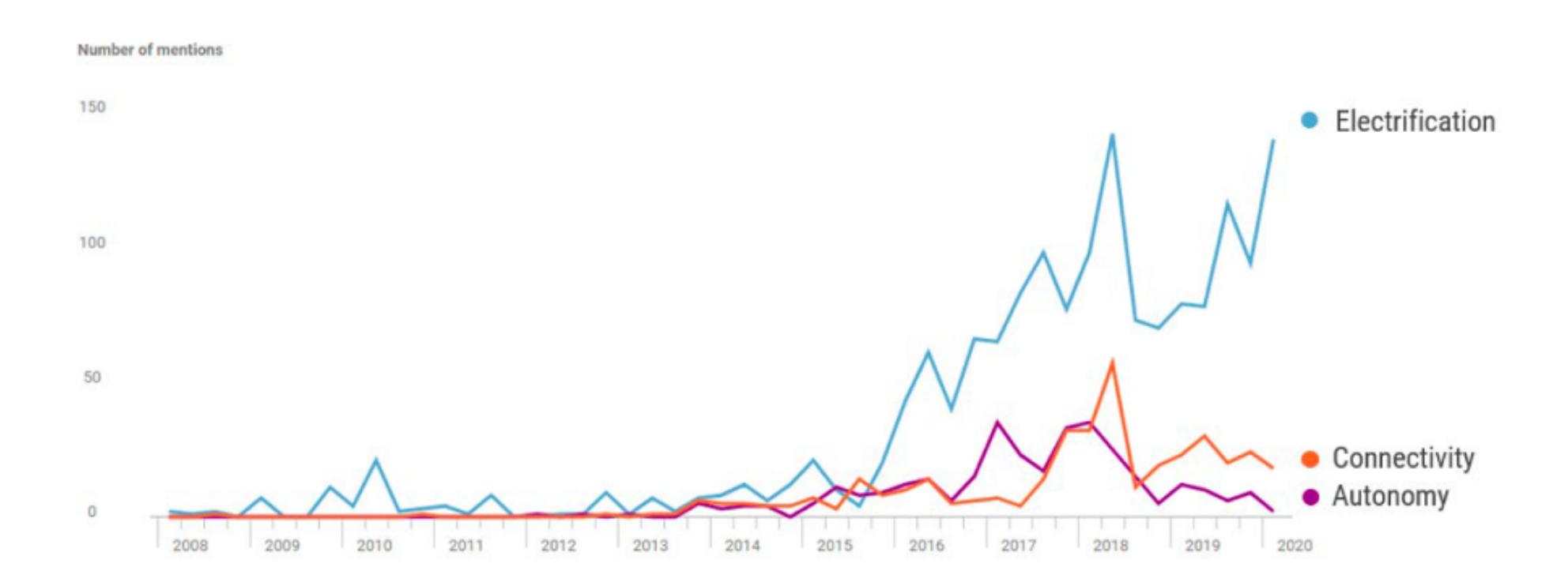
Auto giants are partnering with tech firms and mobility service providers



OEMs Shift Priorities Towards Electrification



Mentions of terms related to electrification, autonomy, and connectivity on Tier 1 supplier earnings calls



¹Terms include "electrification," "EV," "electric vehicle"; ²Terms include "autonomous," "AV," "self-driving," "driverless"; ³Terms include "connected," "connectivity,"; ⁴Auto suppliers include American Axle & Manufacturing, Autoliv, Aptiv, BorgWarner, Continental, Cummins, Faurecia, Infineon, Lear Corporation, Magna International, Visteon

Source: CBInsights, PitchBook

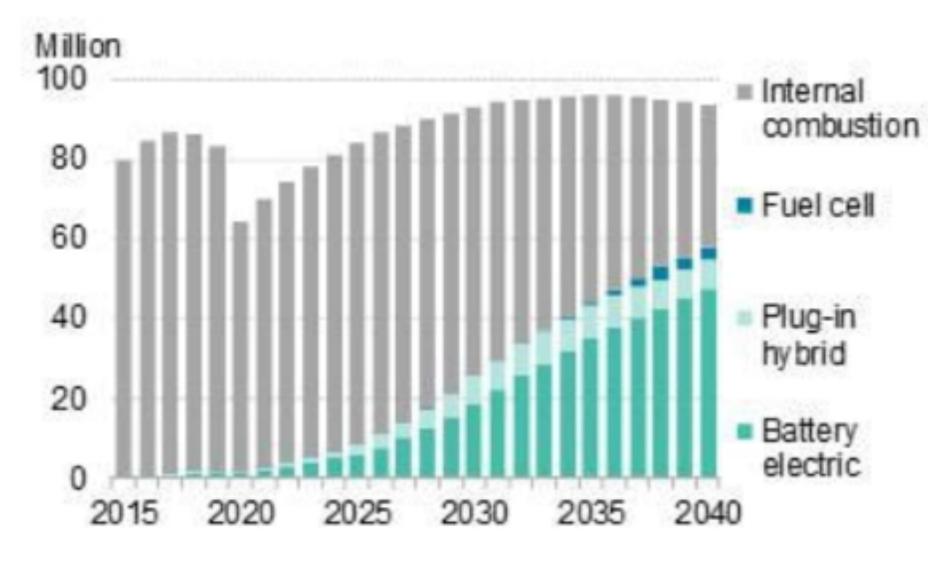
Tech Companies Could Shape Future of Transportation

Parent Co / Acquirer	Subsidiary / Target	Date	Deal size (\$M)	Lead investor
Amazon	Zoox	June 2020	1,300	Amazon
Alphabet	Waymo	May 2020	3,000	Silver Lake, CPPIB, Mubadala
Omnitracs	VisTracks	May 2020	N/A	Omnitracs
Intel	Moovit	May 2020	900	Intel
General Motors	Cruise	July 2019	3,400	SoftBank, GM
Intel	Mobileye	July 2018	14,900	Intel

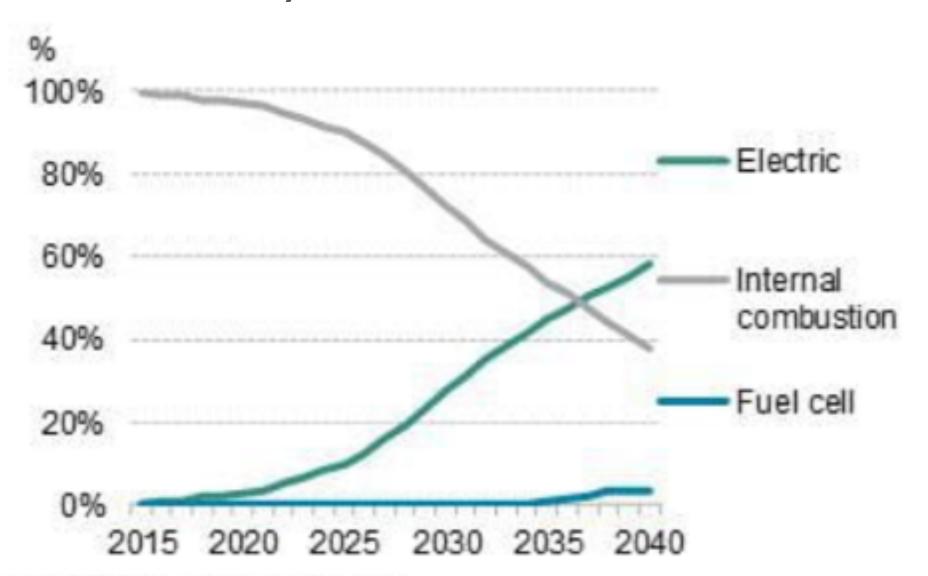








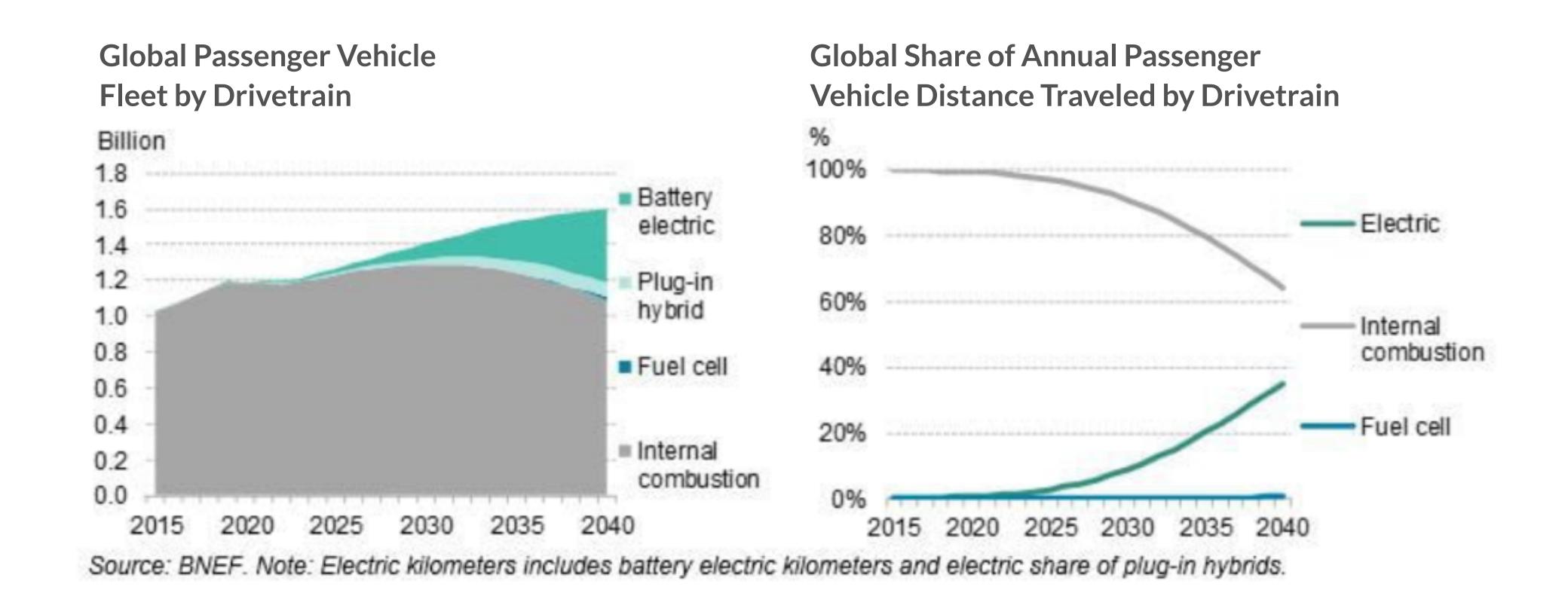
Global Share of Total Annual Passenger Vehicle Sales by Drivetrain



Source: BNEF. Note: Electric share of annual sales includes battery electric and plug-in hybrid.

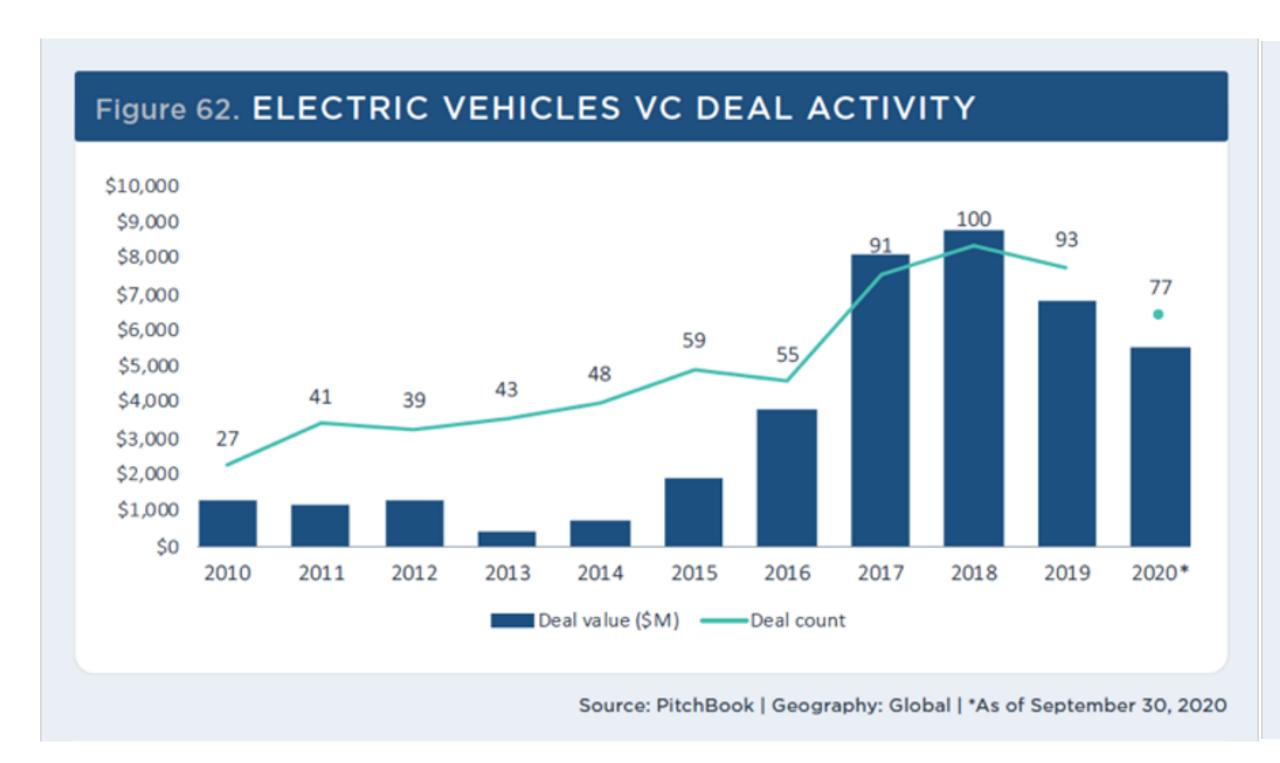


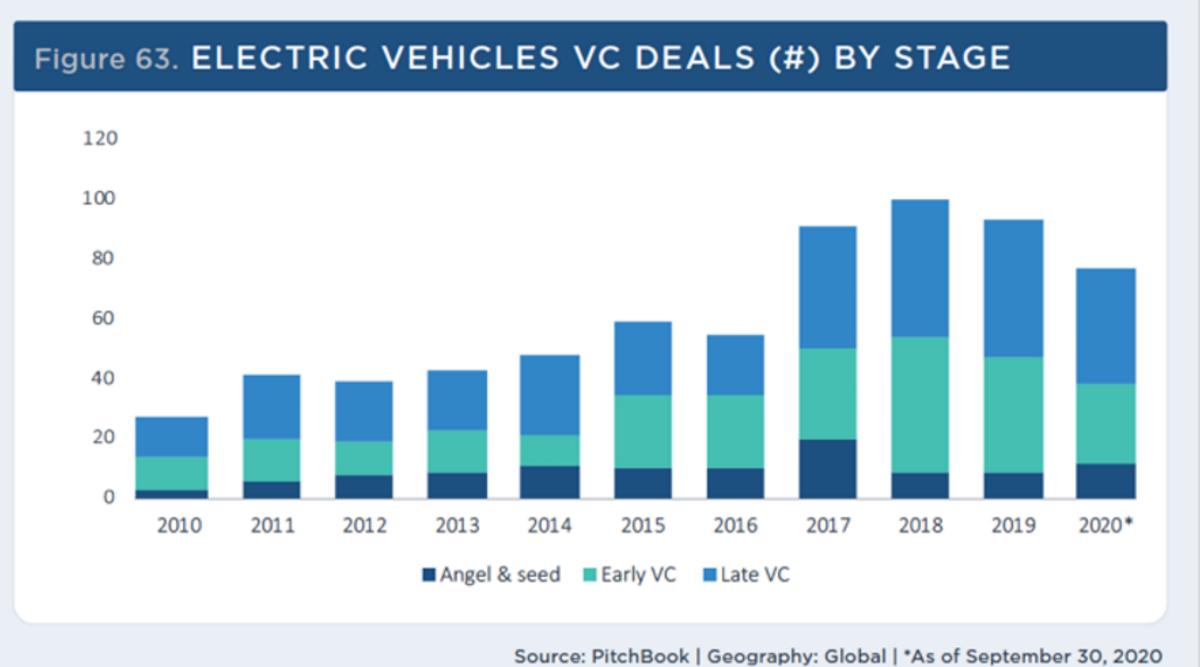




VC Activity in the EV Space

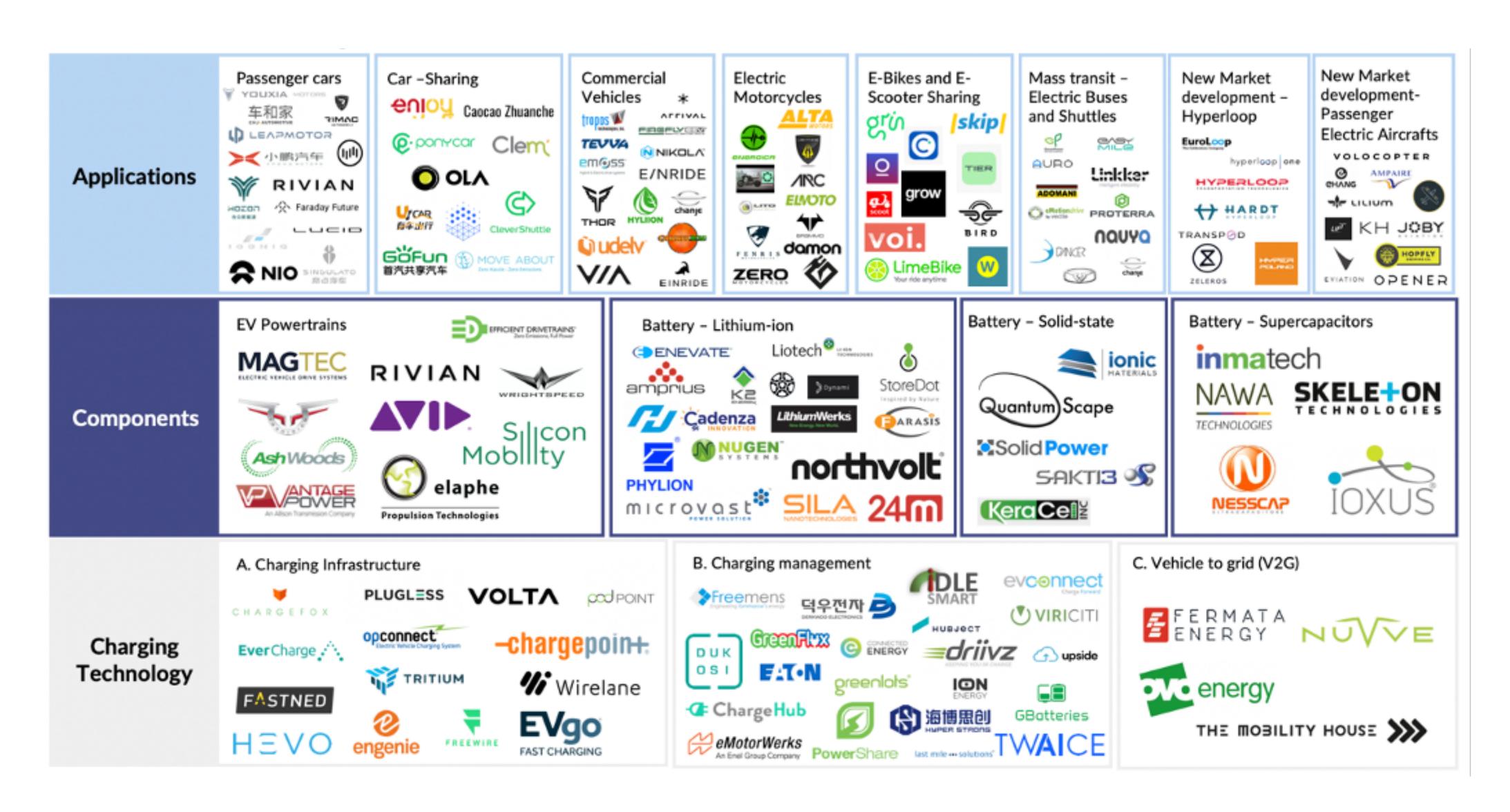






The EV Technology Stack







An Overview of the Autonomous Vehicle Market



An Overview of the Autonomous Vehicle Market

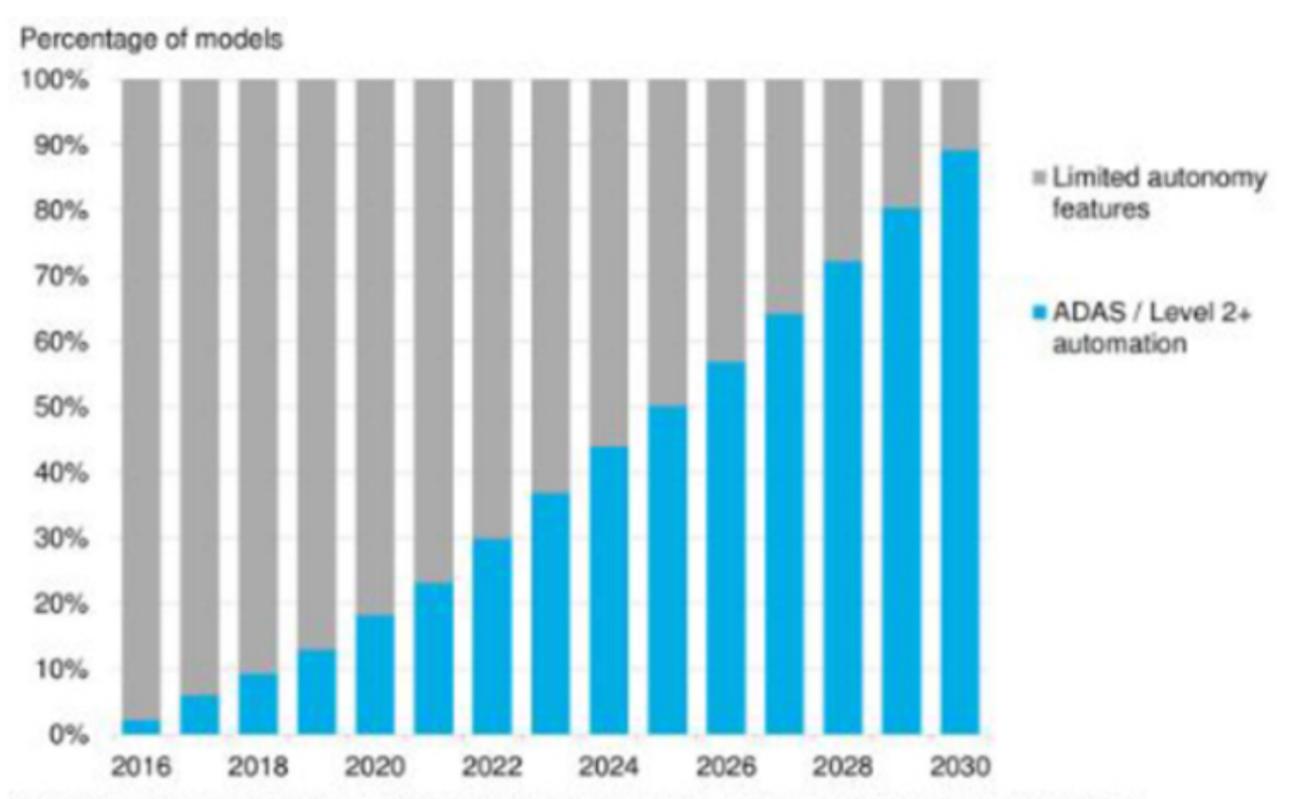


Use Case Priorities Reshuffled



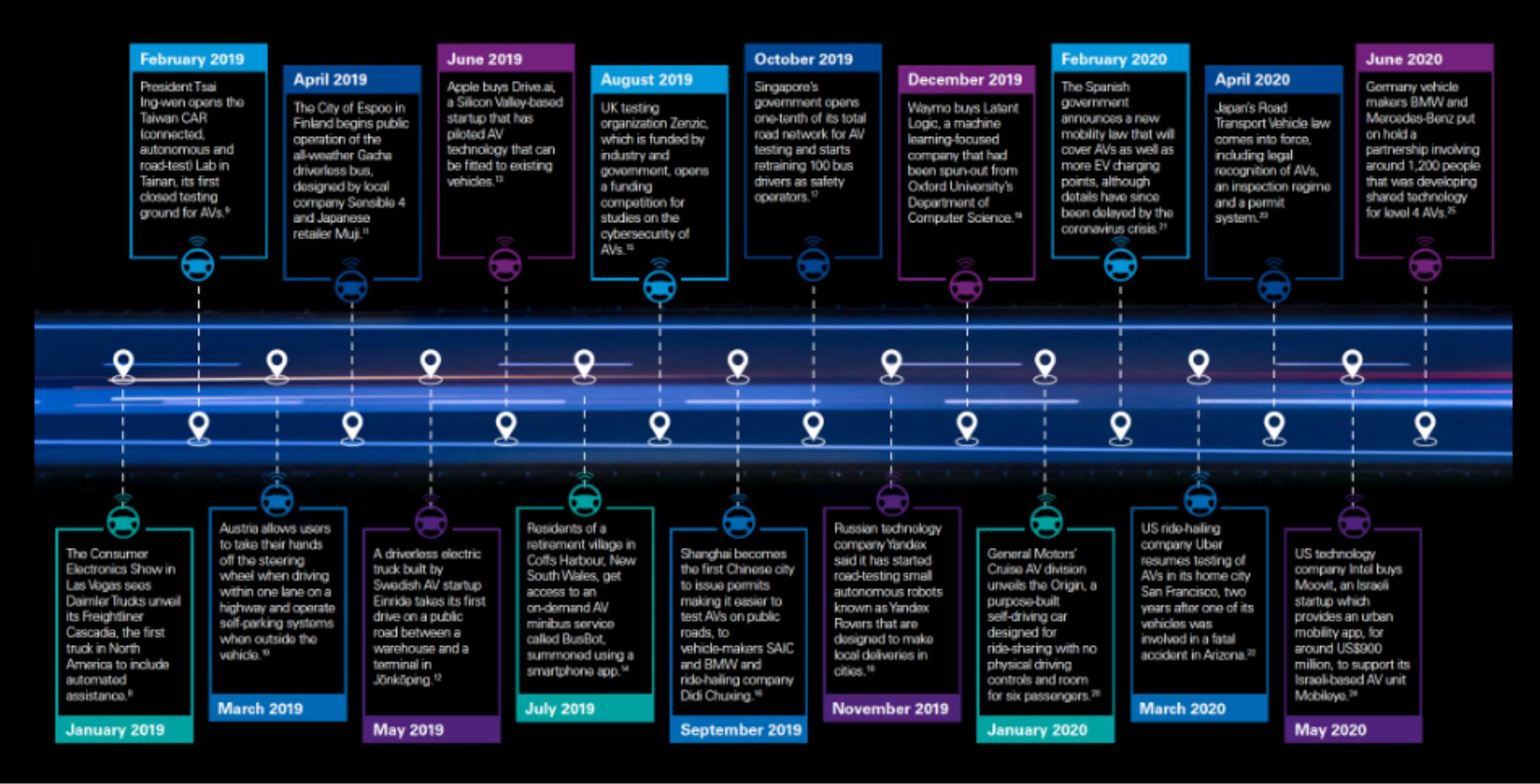
9 of 10 cars may offer advanced safety systems by 2030

BNEF's Outlook for Advanced Driver Assistance System (ADAS) Adoption



Source: BloombergNEF. Note: 'Limited autonomy features' refers to vehicle models without the combination of advanced emergency braking and lane keeping assist while ADAS / Level2+ automation refers to vehicles that do offer that feature combination.

The Long-Term View on Autonomy is Bullish



Source: Bloomberg Hyperdrive. (2020). The State of the Self-Driving Car Race 2020.

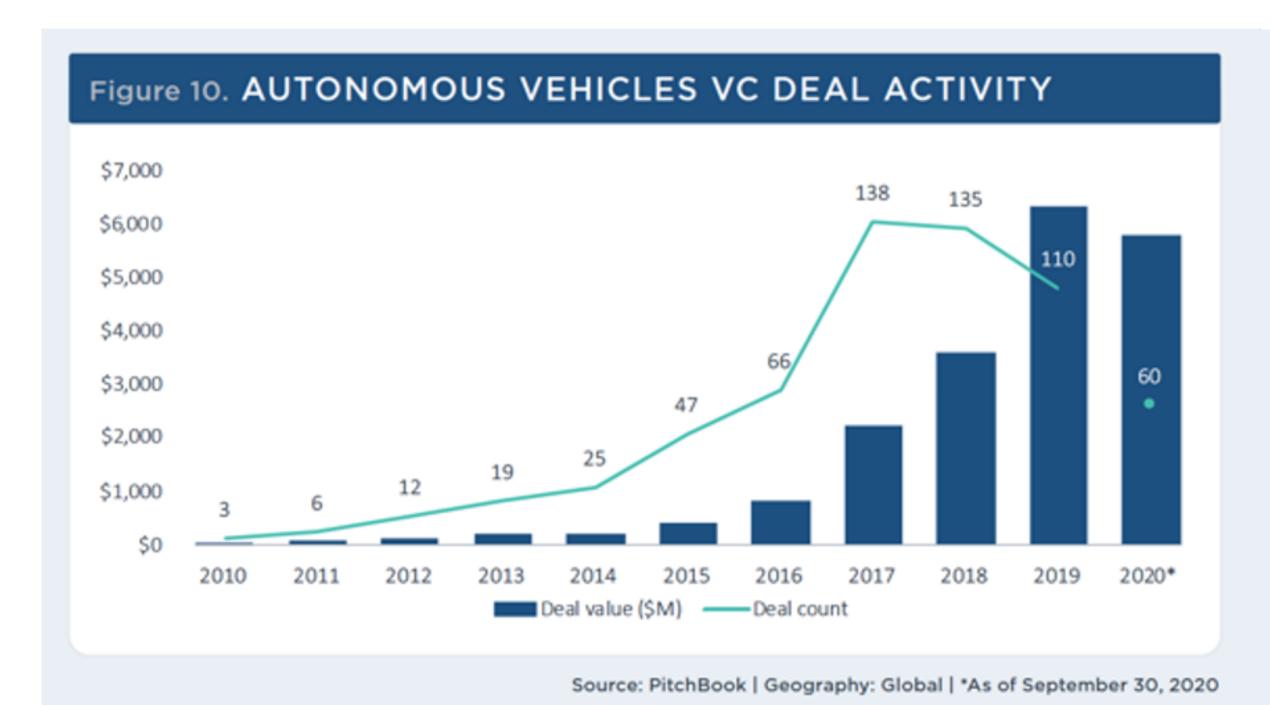
Marc Amblard, Orsay Consulting. (2020).

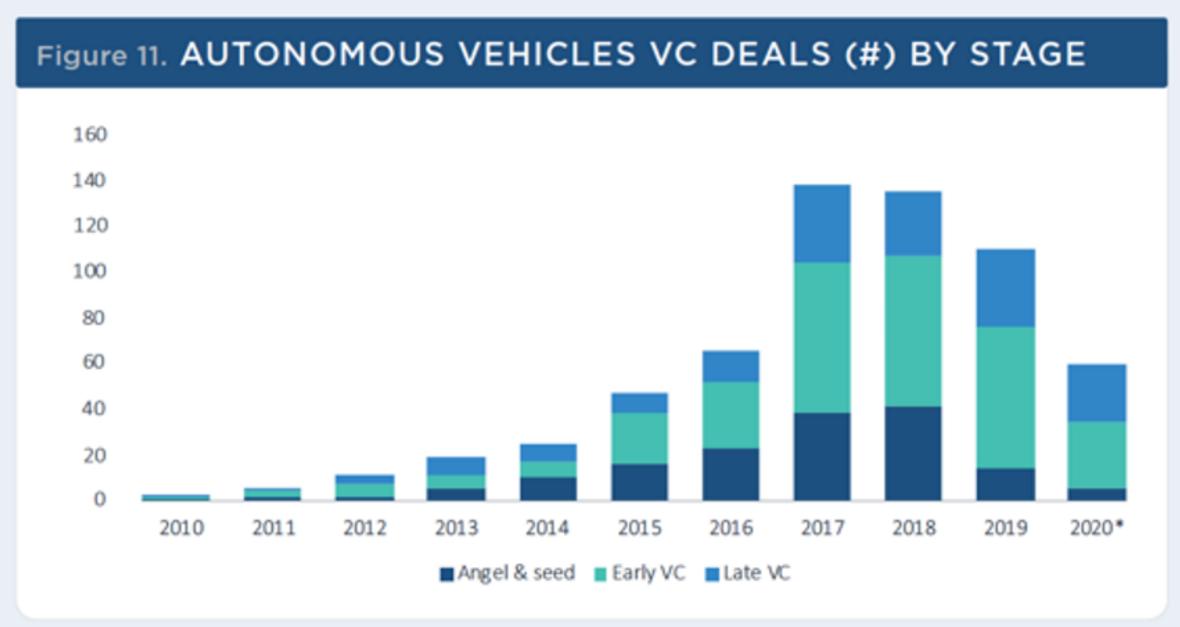
The Crisis Reshuffles the Deck in the AV Space.

KPMG. (2020). 2020 Autonomous Vehicles Readiness Index.

VC Activity in the AV Space



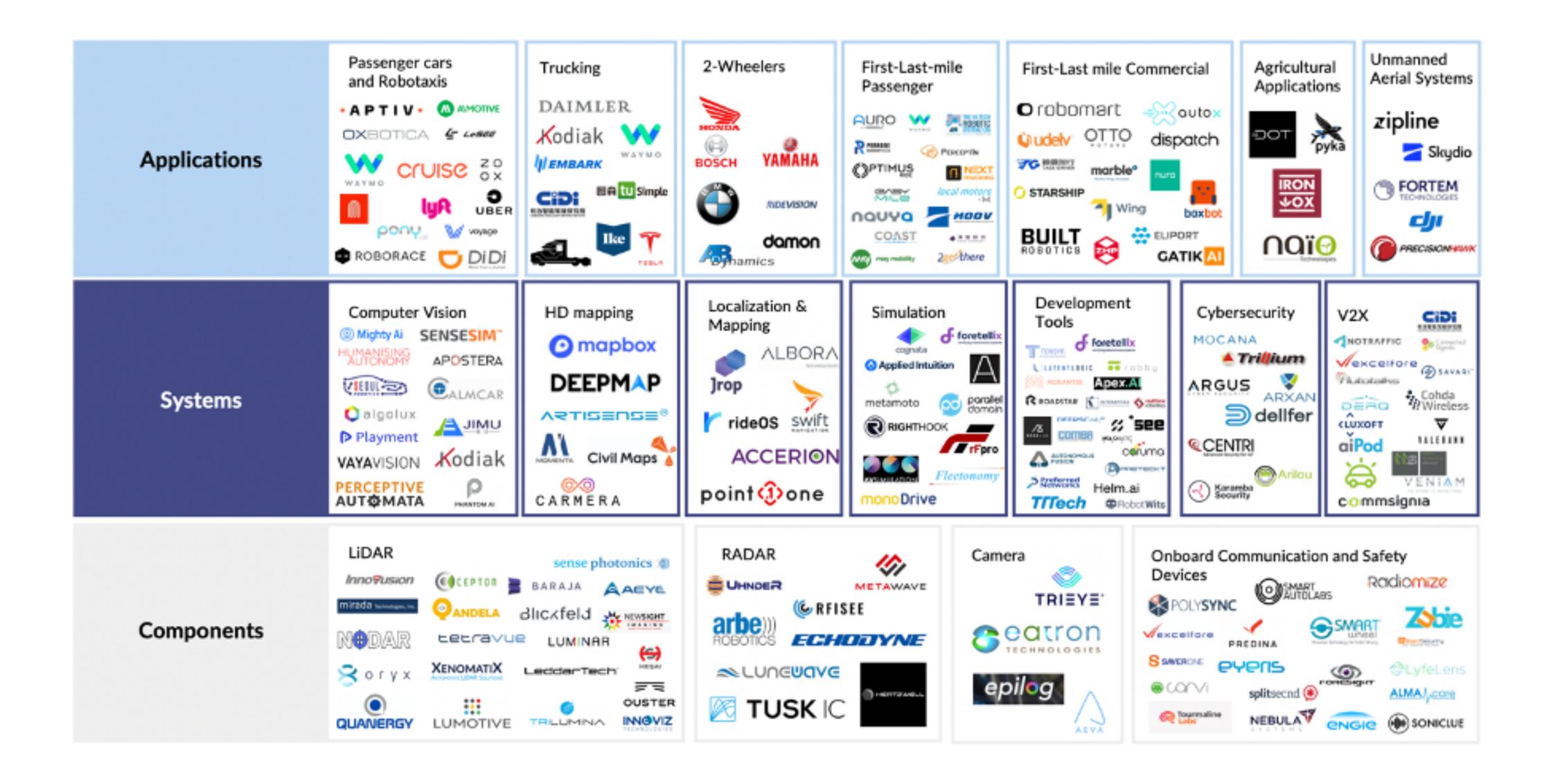




Source: PitchBook | Geography: Global | *As of September 30, 2020

The Autonomous Vehicle Technology Stack





Large Tech Focused M&A Advisory Firm

26 senior partners

100+ team focused on TMC

50% US / 50% Europe

Over 370+ transactions

Leaders

#1 in TMC cross-border midcap
#2 in TMC global midcap
11 Awards 2018-2020

Global Presence

9 offices in 6 countries
Plus partnerships in:
Dubai, Israel, Japan, and Singapore
70% of deals cross-border

Mobility & New Energy

Team of 23 Focused on
Mobility & New Energy
Senior Advisory Board
Deep Relationships
with Leaders and investors

BELIEVE IN INNOVATION - CHANGE THE WORLD



The Advisor of Choice in Mobility and Energy Transition



















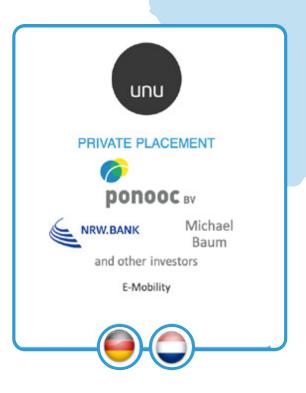












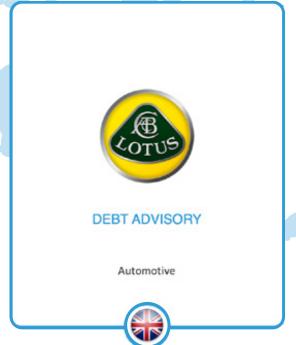






Singapore TC Capital

Dubai Awad Capital











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