

WE DRIVE THE CHANGE

ITSEOHJAUTUVIEN AJONEUVOJEN OHJELMISTOALUSTAT 2050

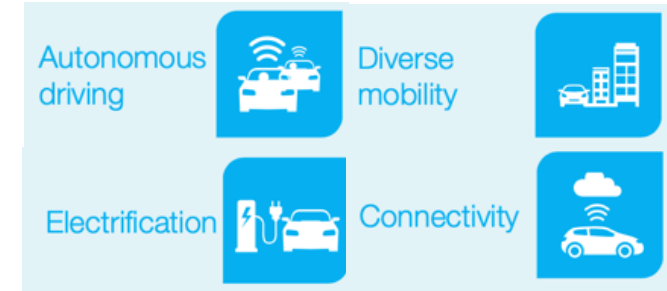
Erkka Niemi

CTO @ Unikie Oy, Postdoc researcher @ Aalto University

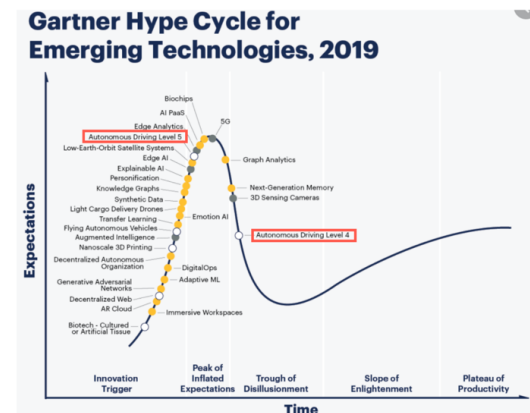
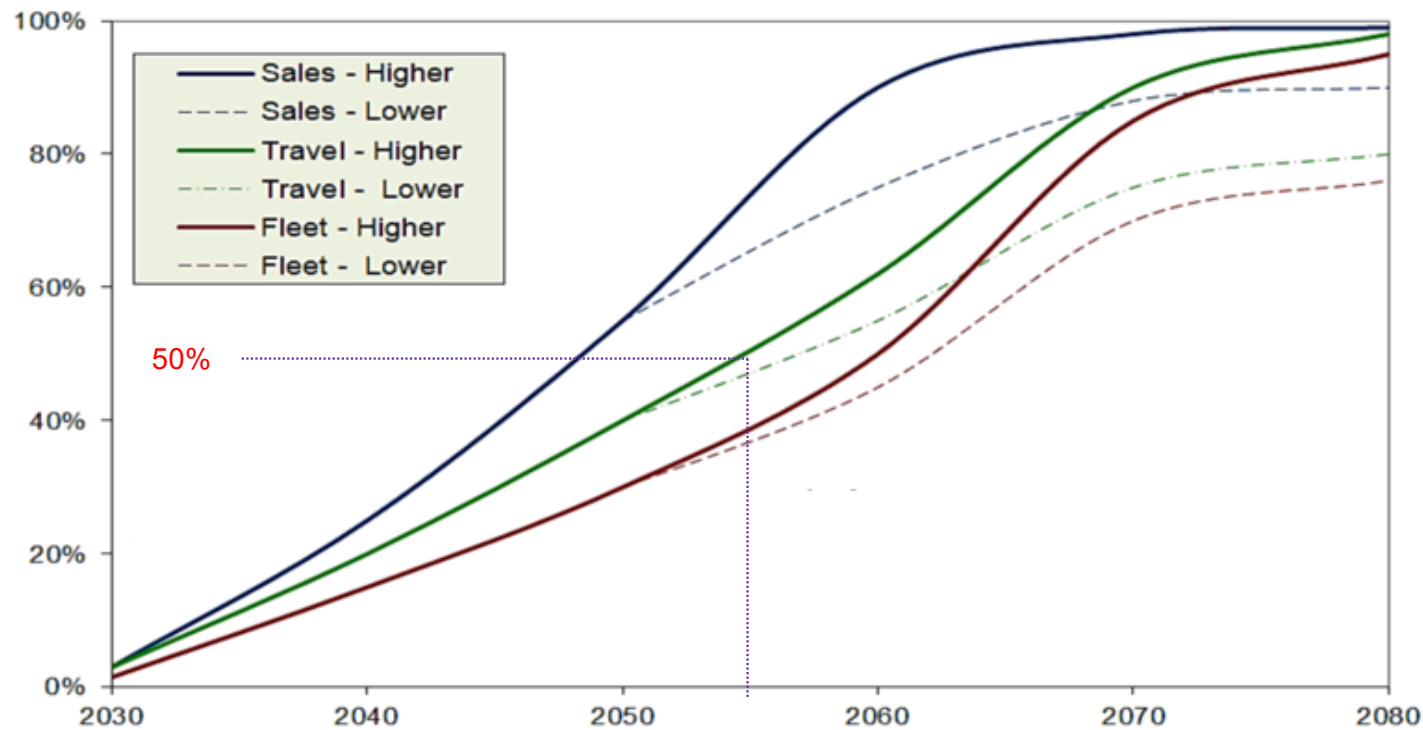


Autonomous Vehicle Implementation Predictions

Source: [Victoria Transport Policy Institute](#), 3/2020

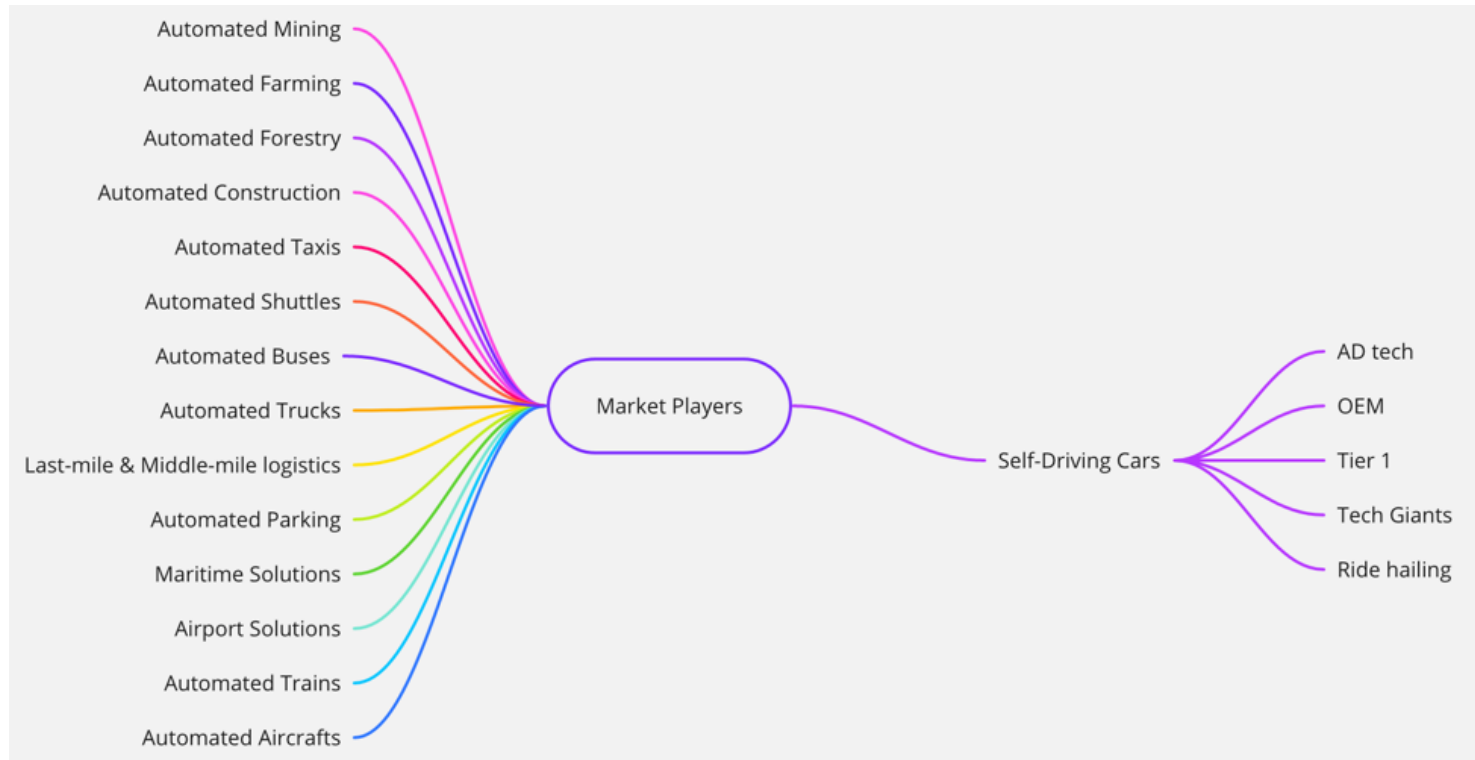


Source: McKinsey Automotive 2030



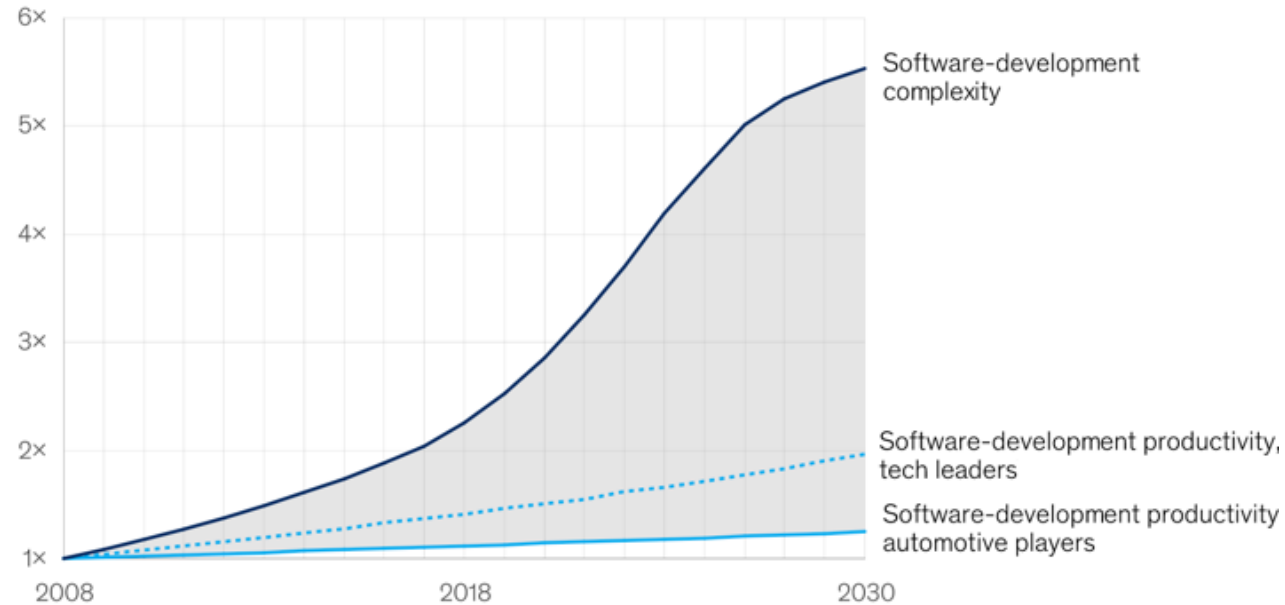
Self-Driving Progress on Multiple Fronts

Source: <https://medium.com/unikie/self-driving-vehicles-are-already-on-the-roads-2903ef8405a0>

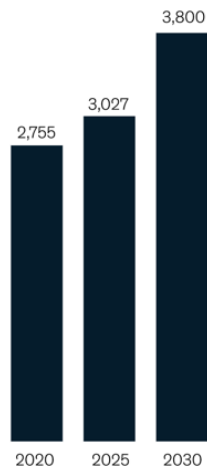


Software development cost & complexity increases rapidly

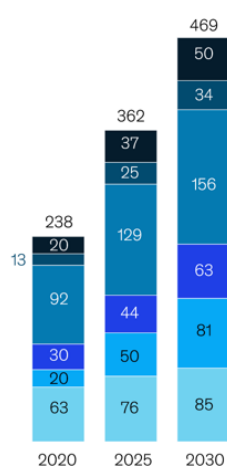
Source: [McKinsey Center for Future Mobility](#)



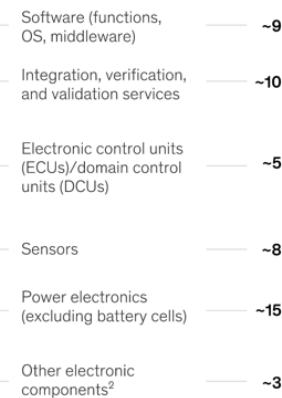
Automotive sales, 2020–30, \$ billion



Automotive software, and E/E¹ market, 2020–30, \$ billion

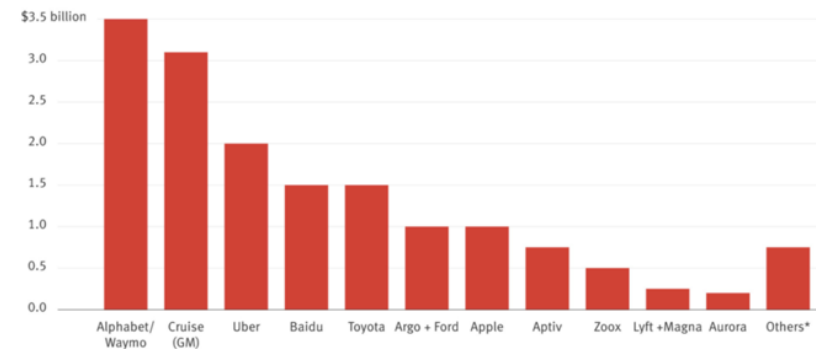


Compound annual growth rate, 2020–30, %



Who Spent What on Fully Self-Driving Car R&D

Disclosed and estimated minimum total spend through 2019

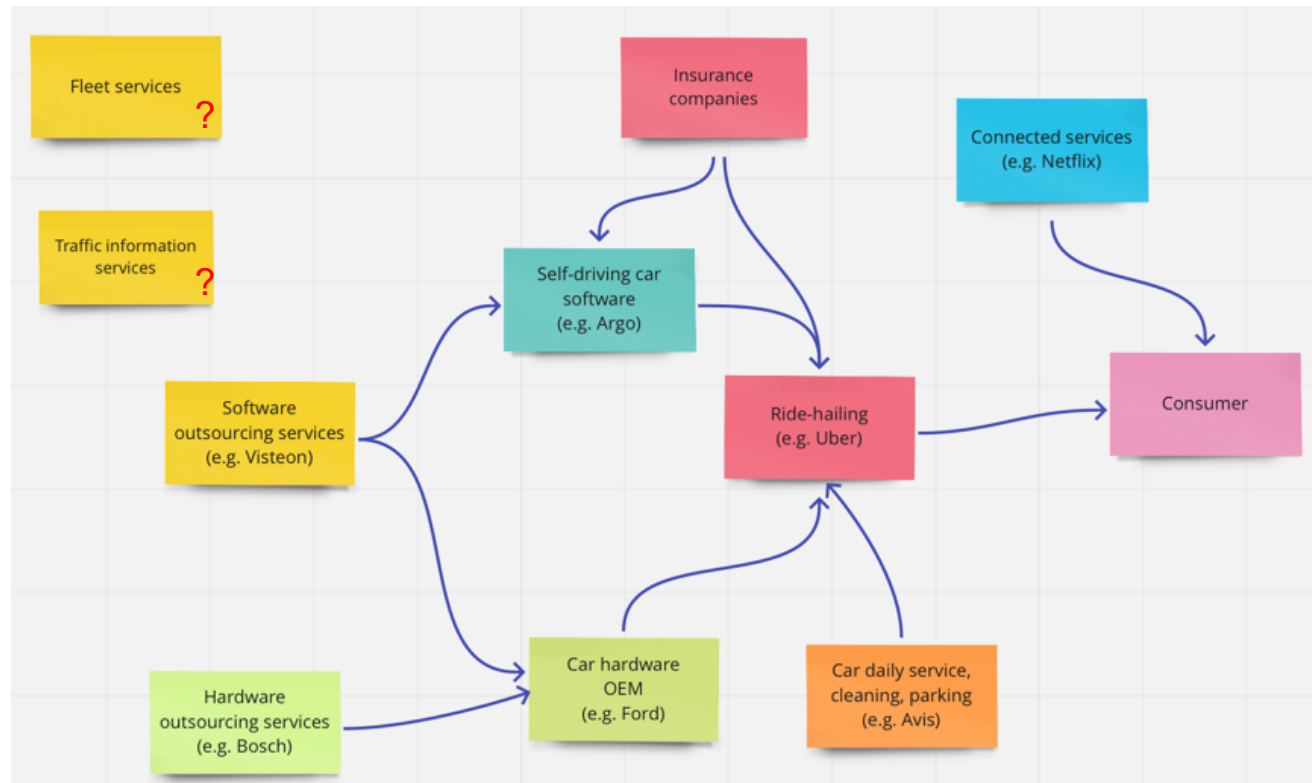


Source: [The Information](#) February 5th, 2020



Emerging Self-Driving Vehicle Platforms

Source: https://medium.com/@erkka_niemi & Aalto University



Happy to Connect & Continue the Discussion 😊



**Self-Driving Vehicles are
already on the roads**

<https://www.linkedin.com/in/erkka-niemi/>

https://twitter.com/erkka_niemi

https://medium.com/@erkka_niemi



**The Most Interesting Self-
Driving Car Companies**



**All Major Self-Driving Car
Companies**