

THE MERGING WORLDS OF TECHNOLOGY AND CARS

The line between technology and automotive industries is blurring. The rise of rideshare companies such as Uber and Lyft means that transportation is being tied ever more closely to your cell phone, while autonomous driving technology is turning your car into a computer. But these developments are expensive: Carmakers' R&D budgets jumped 61 per cent to \$137 billion from 2010 to 2014. To share some of the risk and the cost the incumbent automotive giants and their would-be disruptors are teaming up in an ever-growing, ever more complex series of alliances. Here is a look at how the merging worlds of cars and technology is creating a new arena for world market:

Volvo and Uber entered into a \$300-mn joint venture to develop a fully autonomous car by 2021

Ford is among five investors who provided \$6.6 mn in seed funding for Civil Maps

Ford has a licensing agreement with Nirenberg Neuroscience

Ford and Baidu each invested \$75 million in Velodyne Lidar

BMW, Mobileye, and Intel partnered to create a self-driving car

WV invested \$90 million in taxi-hailing company, Gett

TATA Owner of Jaguar Land Rover

Toyota

Fiat Chrysler

Uber and Didi have invested in each other after teaming up in China

GM invested \$500 million in Lyft and bought Cruise Automation for \$1 bn

Apple invested \$1bn in Chinese firm Didi, which partners with Lyft

Blacklane

Uber China

Didi

Car2Go

RideScout

MyTaxi Hailo

WV, BMW, and Daimler partnered to buy Nokia's HERE maps

Daimler and Matternet have a joint venture to make drones

WV owns a stake in the German Research Center for Artificial Intelligence (DFKI).

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●	CARMAKERS
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