

Top 6 mobility issues to watch in 2019



It is clear that the companies involved in the mobility sector are aware of the complexity—and cost—of introducing and scaling innovations and meeting tighter government regulations. The road to more Electric Vehicles (EVs), growing use of ride hailing, and the emergence of commercial driverless car services will be a bumpy one.



1 EV sales in 2019

We anticipate that EV sales momentum will continue, aided by an increasing number of models available.

2 Mobility as a service (MaaS):

Are we in the midst of a transition from childhood to adulthood?

Uber and Lyft (and possibly Didi Chuxing) are expected to go public in the coming year.

The ride-hailing industry will continue to seek expansion of geographic reach—in part driven by the IPO rush.

The ride-hailing business model is likely to be refined further owing to governmental concerns.

3 The era of robo-taxis (driverless car transportation) is fast approaching — but how fast can fleets grow?

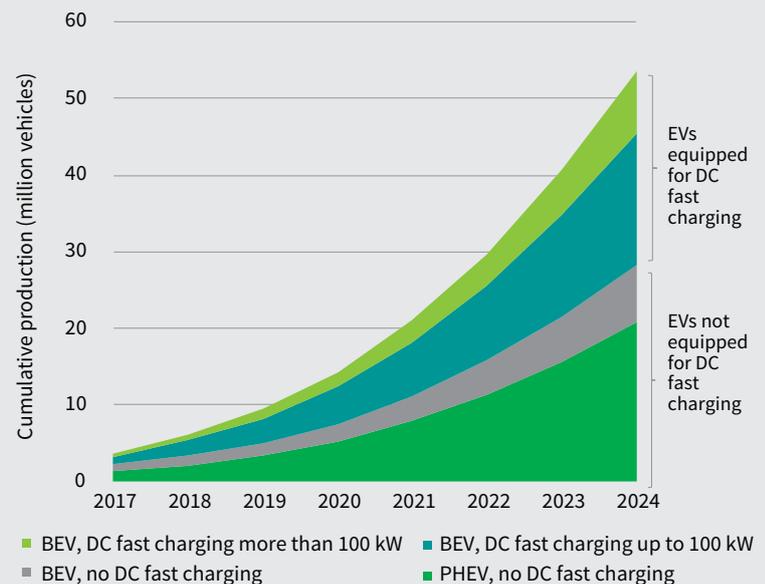
In December 2018, Waymo launched the first commercial AV ride-hailing service in the Phoenix area. In addition to Waymo, GM Cruise may launch such a service in 2019; and Ford, among others, has announced similar plans for the coming years.



4 EV infrastructure

Can the rollout of direct current (DC) fast-charging infrastructure accelerate EV sales growth?

DC fast-charging peak power by type of EV



Source: IHS Markit

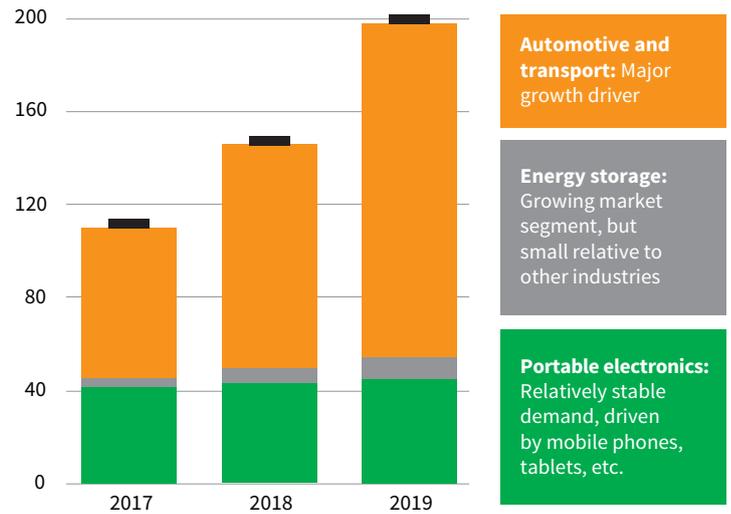
© 2019 IHS Markit

5 EV battery supply chain

Can the battery supply chain keep up with projected EV sales?



Li-ion battery demand by industry (GWh)



Source: IHS Markit

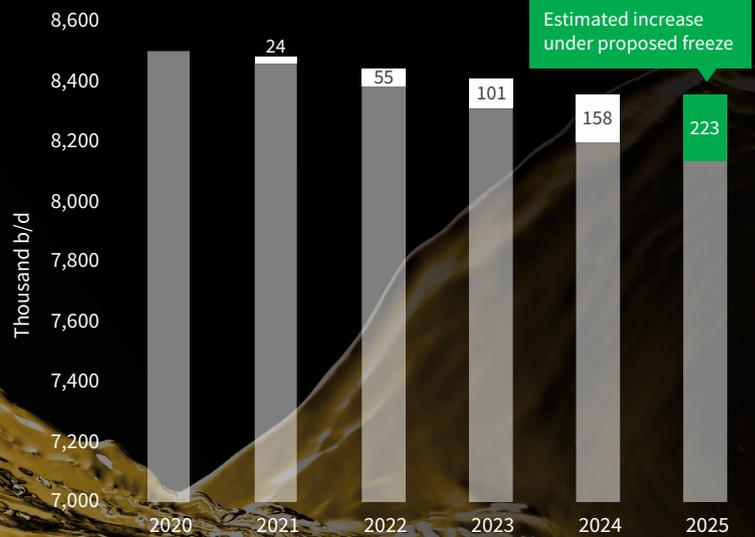
© 2019 IHS Markit

6 Fuel economy standards

Will US LV fuel economy standards be weakened?

Fuel economy standards can impact medium-term oil demand more significantly than EV adoption.

US gasoline and diesel demand



Note: Only demand from LVs is included in this chart.
Source: IHS Markit

© 2019 IHS Markit

The top 6 mobility issues to watch in 2019 full report is part of Reinventing the Wheel: Mobility and Energy Future Service. Continue to gain valuable insight into the mobility sector, visit ihsmarkit.com/mef or email OMDCSales@ihsmarkit.com