

# Modelling Electric Vehicle Adoption in Passenger and Commercial Vehicles

Presentation to Imperial College Energy Modelling Workshop

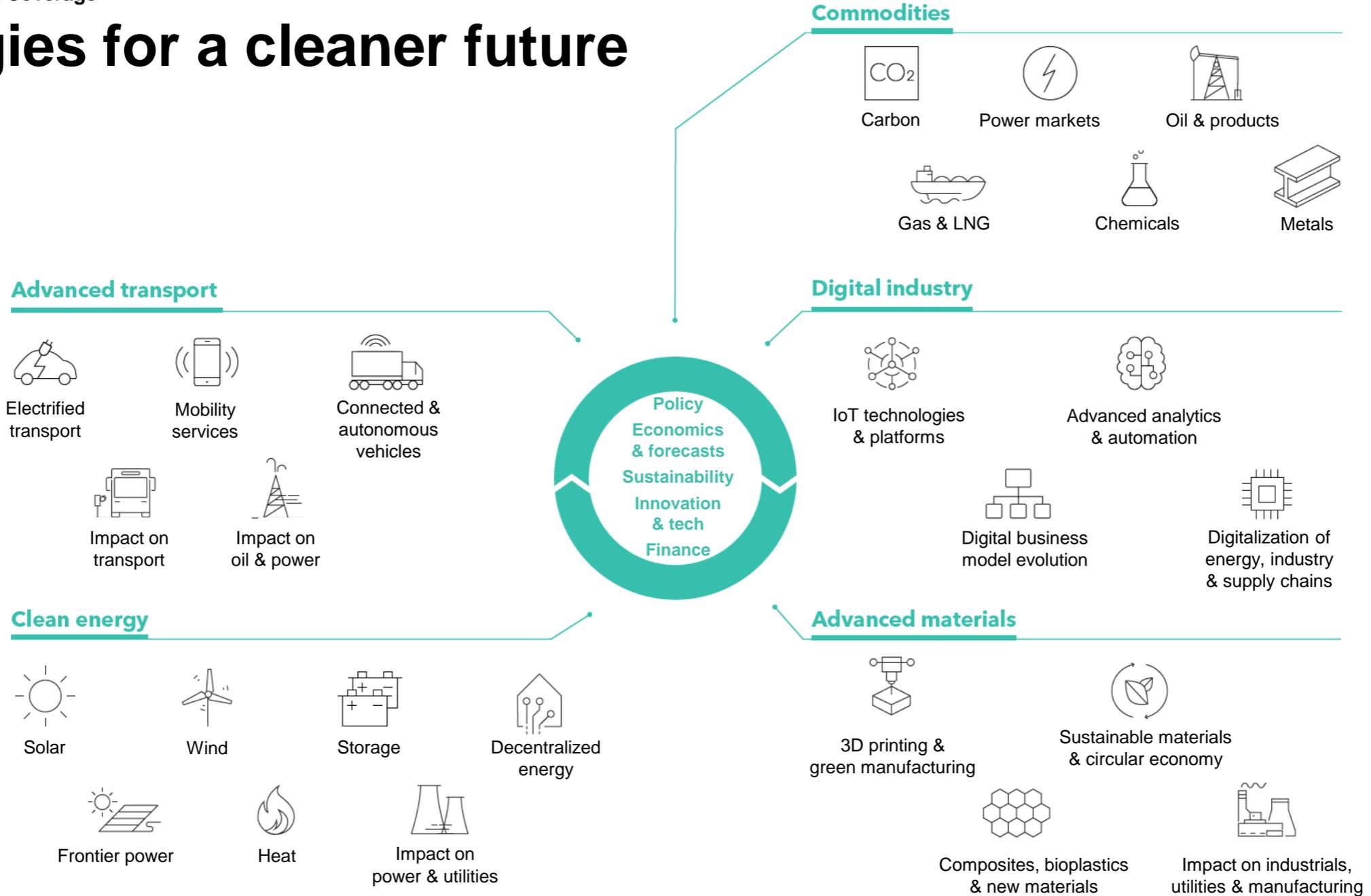
Nikolas Soulopoulos

20 June 2019



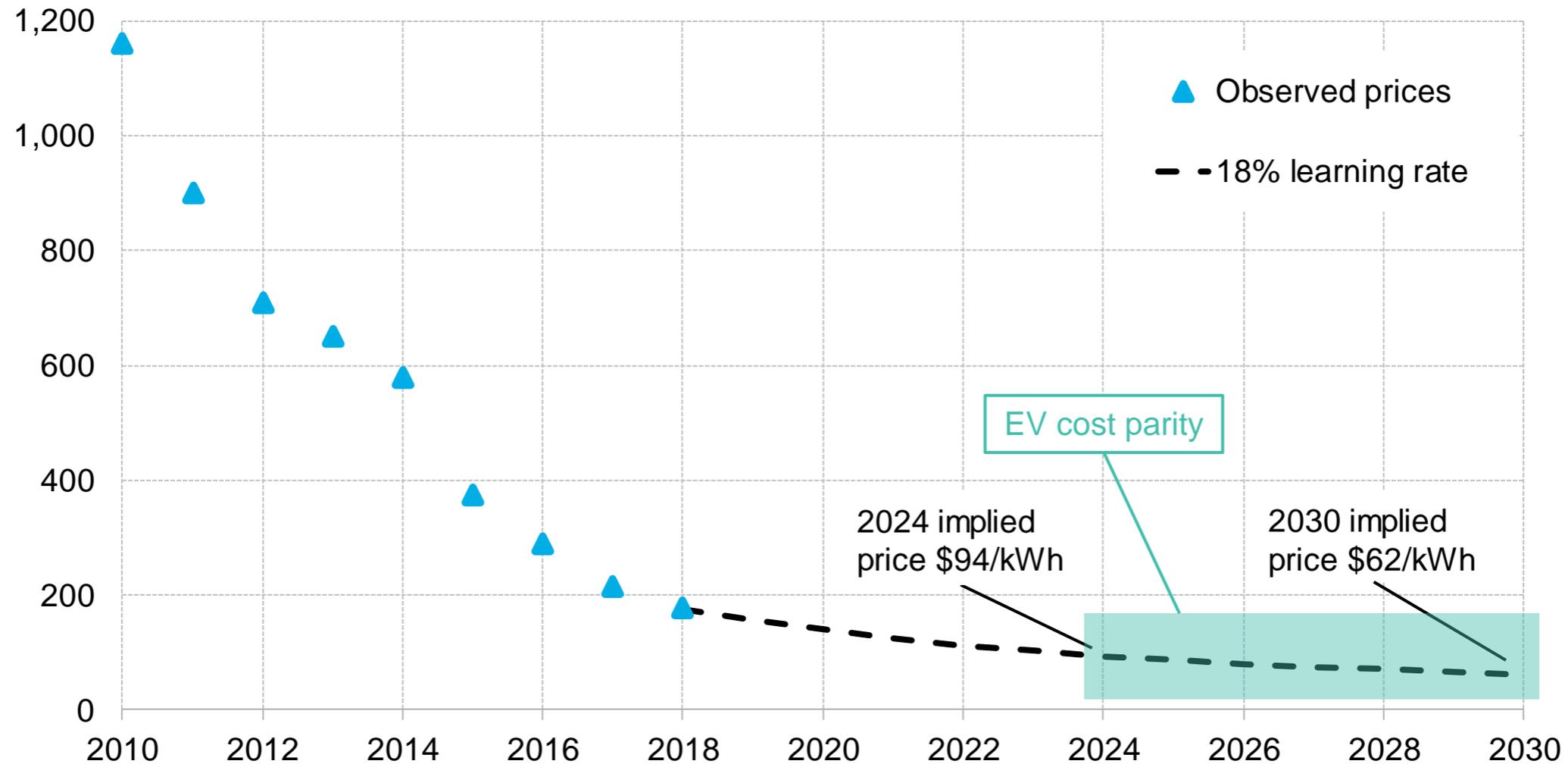
**BloombergNEF**

# Strategies for a cleaner future



# Lithium-ion battery pack prices fall below \$100/kWh around 2024

Volume-weighted average battery pack price (real 2018 \$/kWh)

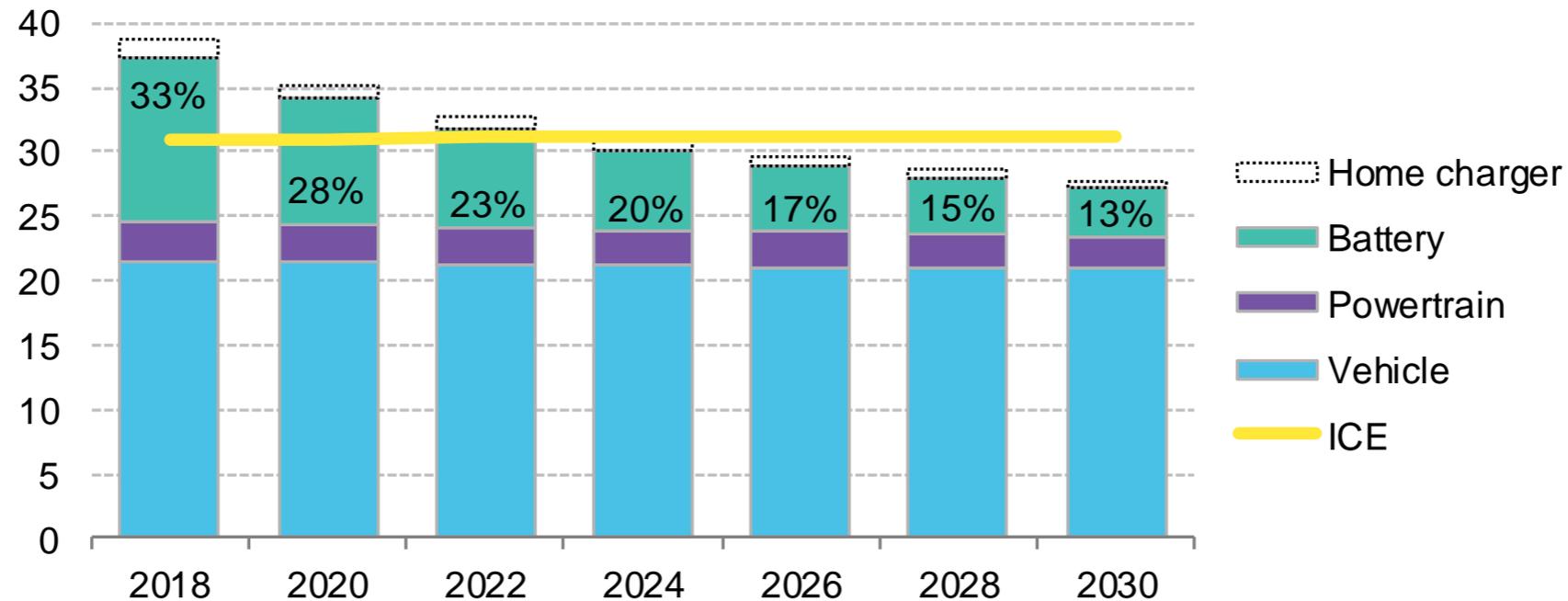


Source: BloombergNEF.

# EVs reach price parity in the mid 2020s, even with added charger costs

EU pre-tax retail price for a medium ICE and BEV with the addition of home charger cost

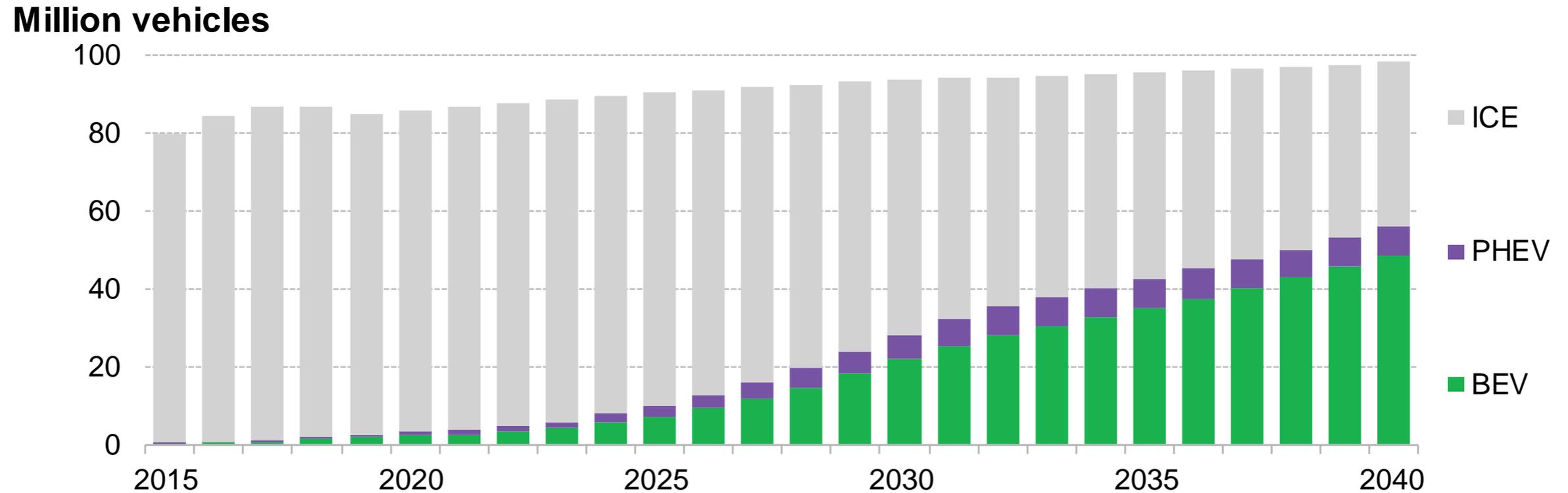
real 2018 thousand dollars and %



Source: BloombergNEF

# Passenger EVs hit 57% of new vehicle sales in 2040

Global long-term passenger vehicle sales by drivetrain



Source: BloombergNEF

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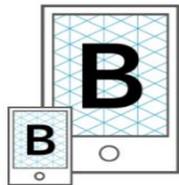
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