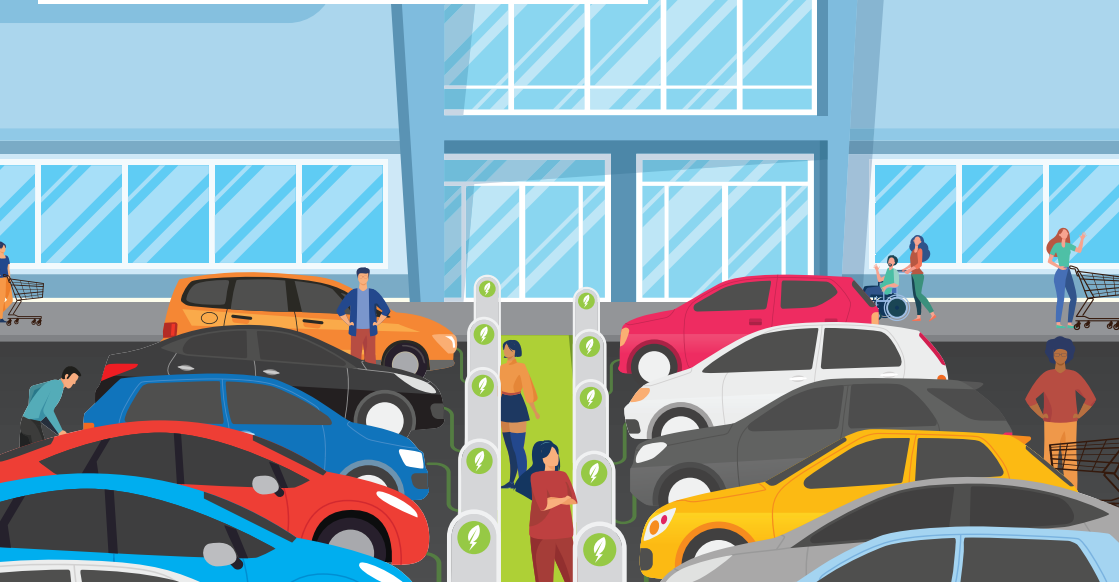


Myth #3:

There aren't enough raw materials to mass-produce Li-ion batteries.

True or false?

umicore 



The battery industry is meeting current raw material demand and **preparing well for ramp-up**. Recycling will be key longer term.

Between now and 2030, over 340 million electric vehicles of all types could be produced, boosting demand for battery materials.

In Umicore's cathode materials, the main metals are cobalt, lithium, manganese and nickel. Supplies of lithium and nickel must scale up. Demand will vary largely with the choice of cathode battery chemistry.

Substitution, better technology and recycling will help meet the metal demand. Umicore technology recycles nickel, lithium and cobalt at a high recovery rate (up to 95%).

Source: www.iea.org/reports/global-ev-outlook-2019

