

Batteries' Role in the **Energy Transition**

1.000

900

800

700

600

500

400

300

200

100

0

Source: IHS Markit

Market Tracker: all costs are in real 2019 USD

Batteries are a key enabler of the energy transition, being crucial to electrifying transport and providing grid energy storage. In both cases, costs are required to fall to accelerate their adoption. Battery cost reduction (\$/kWh) will be enabled by decreasing material costs, decreasing manufacturing costs, and increasing energy density (specific energy).

ihsmarkit.com/ **batteries**



Automotive battery pack to reach below \$100/kWh in 2026, with LFP being the cheapest technology



Average cell costs to fall below \$100/kWh in 2023



Due to much smaller production volumes, energy storage modules will not reach below \$100/kWh until the end of 2030

