













































Building a circular supply chain to power a sustainable world



REDWOOD'S MISSION

Build a circular supply chain to power a sustainable world; accelerate the reduction of fossil fuels

Redwood focus:

- Increase supply of battery materials
- Reduce cost of batteries

Reduce environmental impact of batteries

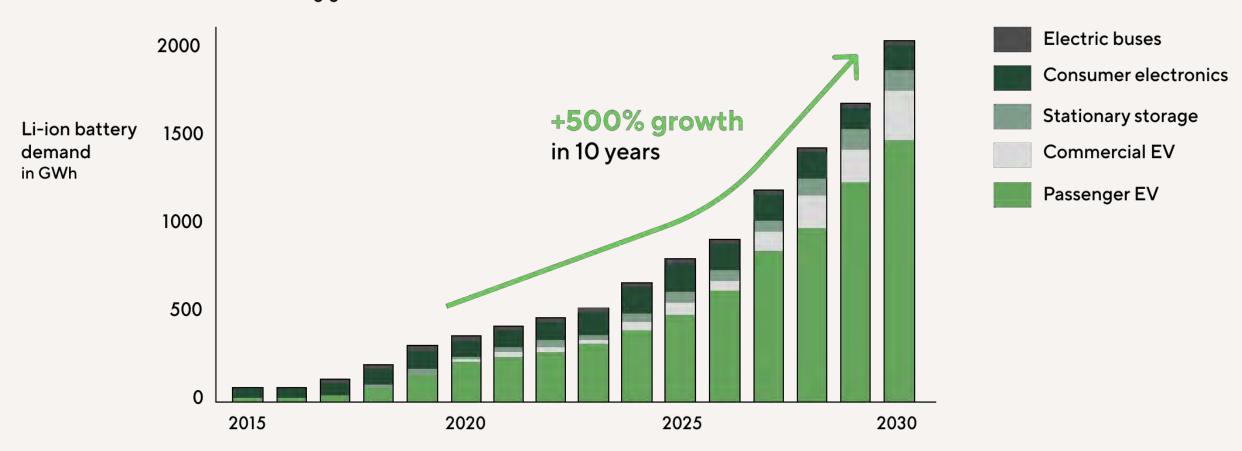


Redwood's focus is critical to the future of transportation and the electric grid



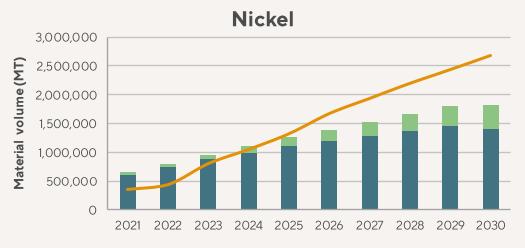
MASS ELECTRIFICATION DEMANDS MORE BATTERIES

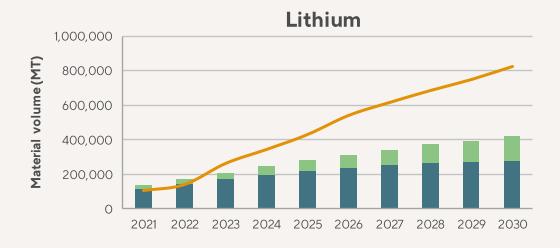
Lithium-ion battery demand growth by transit type in the US from 2015 to 2030, estimate in gigawatt hours

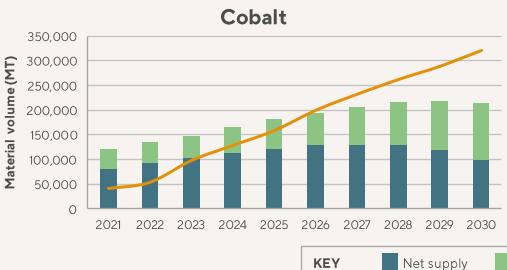


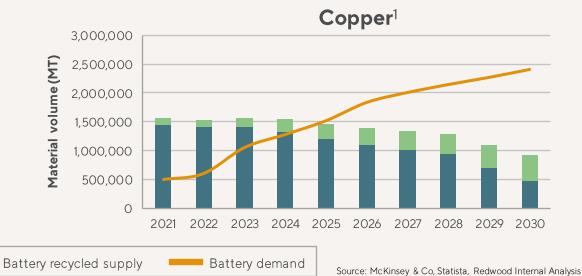


GLOBAL DEMAND FOR BATTERY MATERIALS OUTSTRIPS SUPPLY









Net supply = New mined + Non-LiB recycled - Non-LiB demand



¹Copper net supply expected to drop as non-battery electrification needs climb faster than new mines and non-battery recycling

AUTOMAKER STRATEGY QUICKLY SHIFTING ELECTRIC





100% EV by 2035



100% EV by 2035



30 EV models with 3.5 million annual sales by 2030.



Fully electric by 2030.



33% of sales fully electric by 2026, 50% by 2030.

All-electric in EU by 2030.



50% electric by 2030.



70% of EU, 50% of Chinese and US sales electric by 2030.



30 EV models with 1 million units sold in NA by 2025.



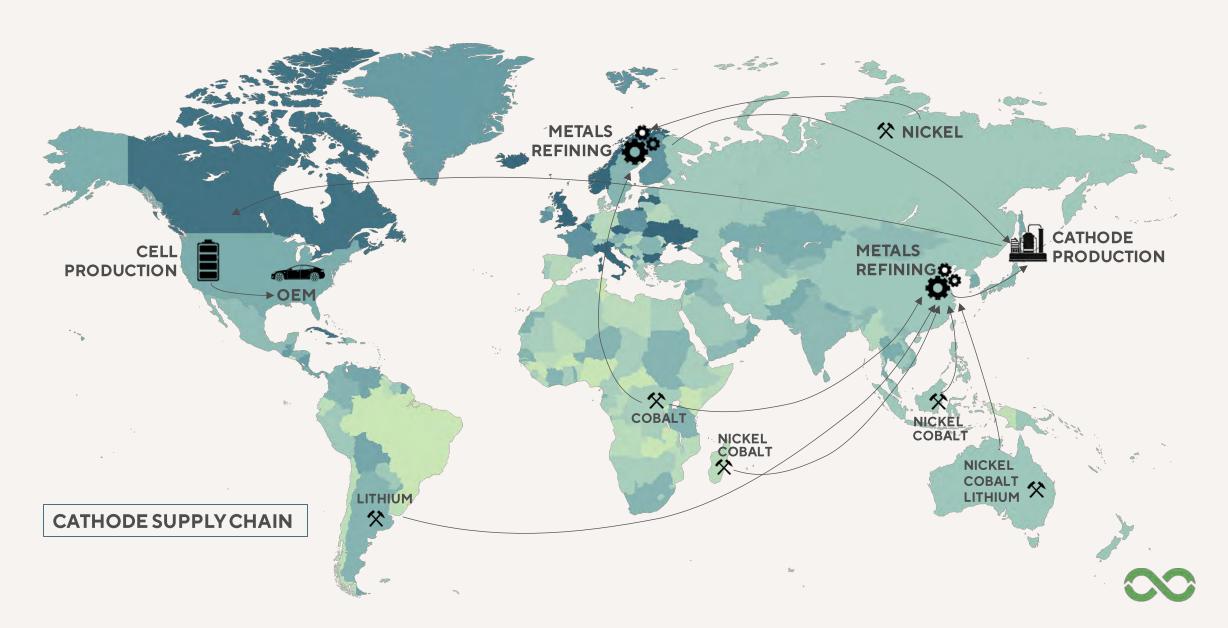
All new models fully electric by 2025



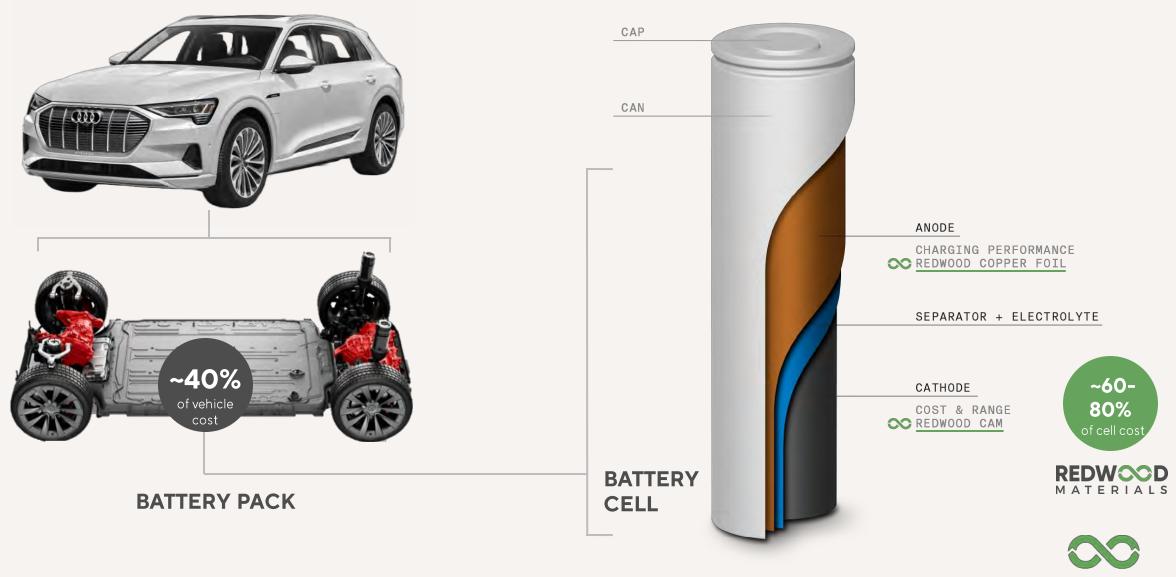
100% of EU and 50% of US sales electric by 2030.



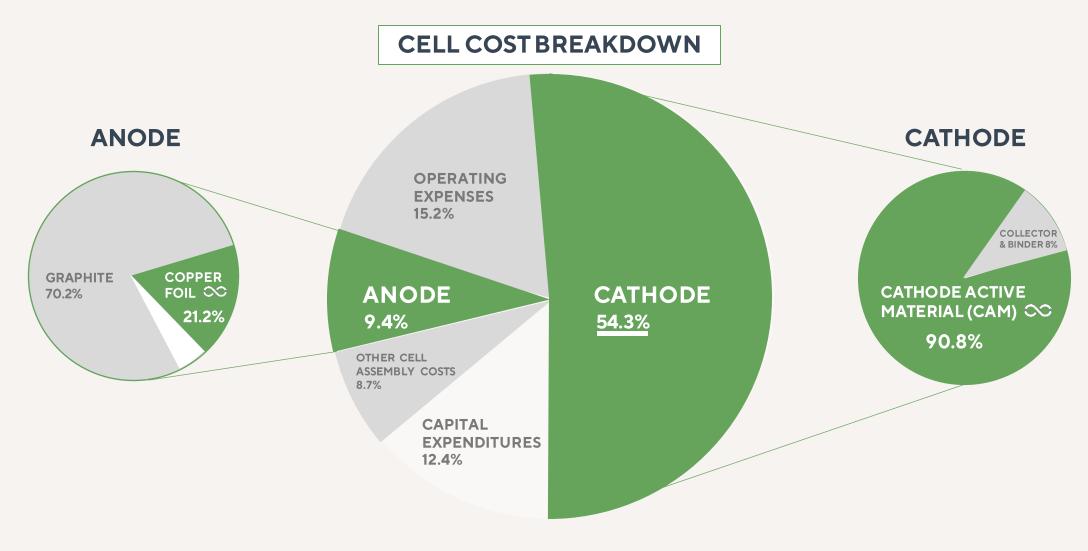
THE CURRENT 50,000+ MILE GLOBAL SUPPLY CHAIN



COMPONENTS OF AN EV BATTERY & RESPECTIVE COSTS

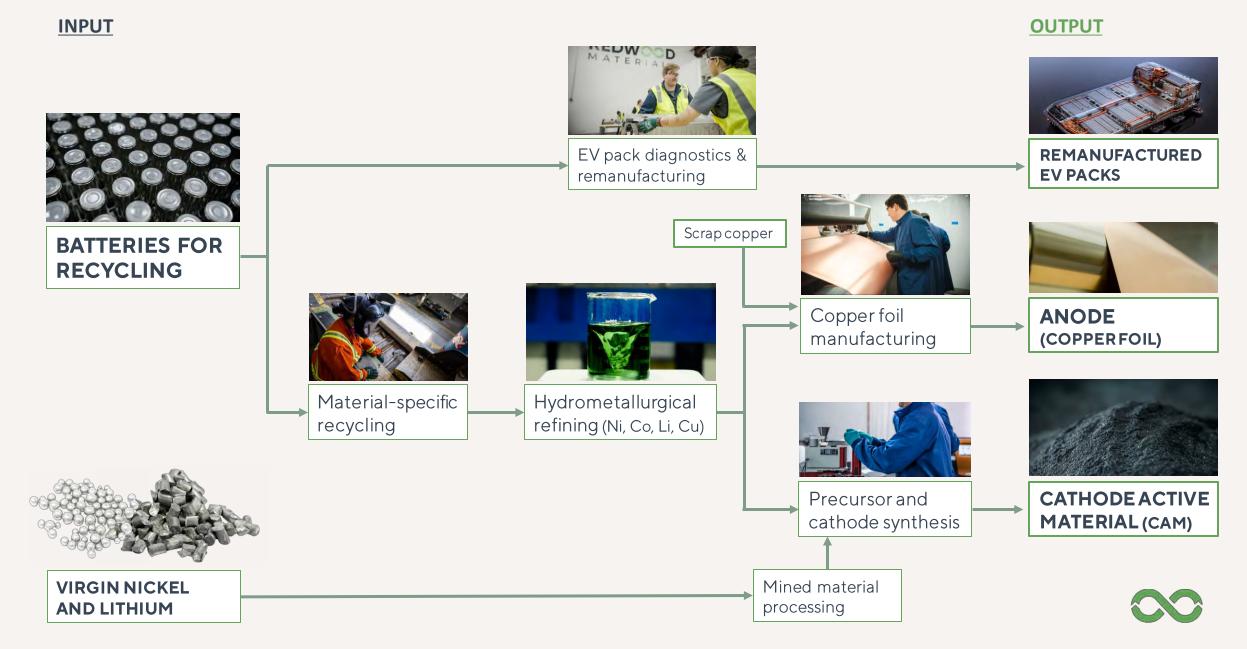


REDWOOD FOCUSES ON CRITICAL CELL COMPONENTS





HIGH-LEVEL VIEW OF REDWOOD'S PROCESS





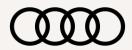




PARTNERSHIPS

VEHICLE OEMs





Exclusive recycler for all US VW & Audi dealerships and technical centers



Selected as a recycling partner with expanded scope including remanufacturing











Recycling for all Volvo dealerships



Ongoing collaboration, including a \$50M investment into Redwood

CELL MANUFACTURERS

Panasonic

Exclusive recycler for Panasonic production scrap; key battery materials customer

E-MOBILITY



Strategic partnership for processing of end-of-life bike batteries



Recycling partnership for all end-oflife e-scooter and e-bike batteries

CONSUMER ELECTRONICS



Ongoing collaboration spanning recycling to battery materials supply; Amazon remains an active investor in Redwood

ENERGY STORAGE



Southern Company

Southern Company / EPRI - first decommissioning project completed in Georgia



BATTERY MATERIAL PRODUCTION PLANS

ANODE (COPPER FOIL)



CATHODE (PRECUSOR & CAM)





E-WASTE IS THE WORLD'S FASTEST GROWING WASTE STREAM

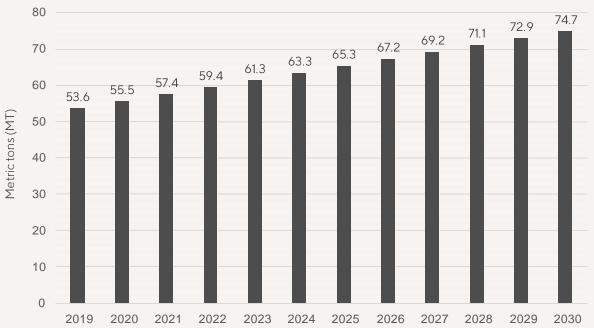
Demand for batteries is not just affecting the automotive market, but also the consumer electronics industry.

- While every generation of electronics gets more efficient, a mere 17% gets recycled responsibly.
- Consumers keep their devices on average for three years.
- Americans throw out **over 150 million phones** every year.











REDWOOD'S CONSUMER RECYCLING PROGRAM

Redwood's goal is to make **consumer recycling frictionless** from any fees so that the public can responsibly recycle and maximize overall sustainability of all products.

We work with partners across the U.S. to educate, engage, and create convenient recycling pathways for consumer lithium-ion batteries and old devices.

Recycling startup Redwood Materials is now accepting your old smartphones

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Commen

- Nationwide drop-off locations
- Community collection events
- Direct mail

