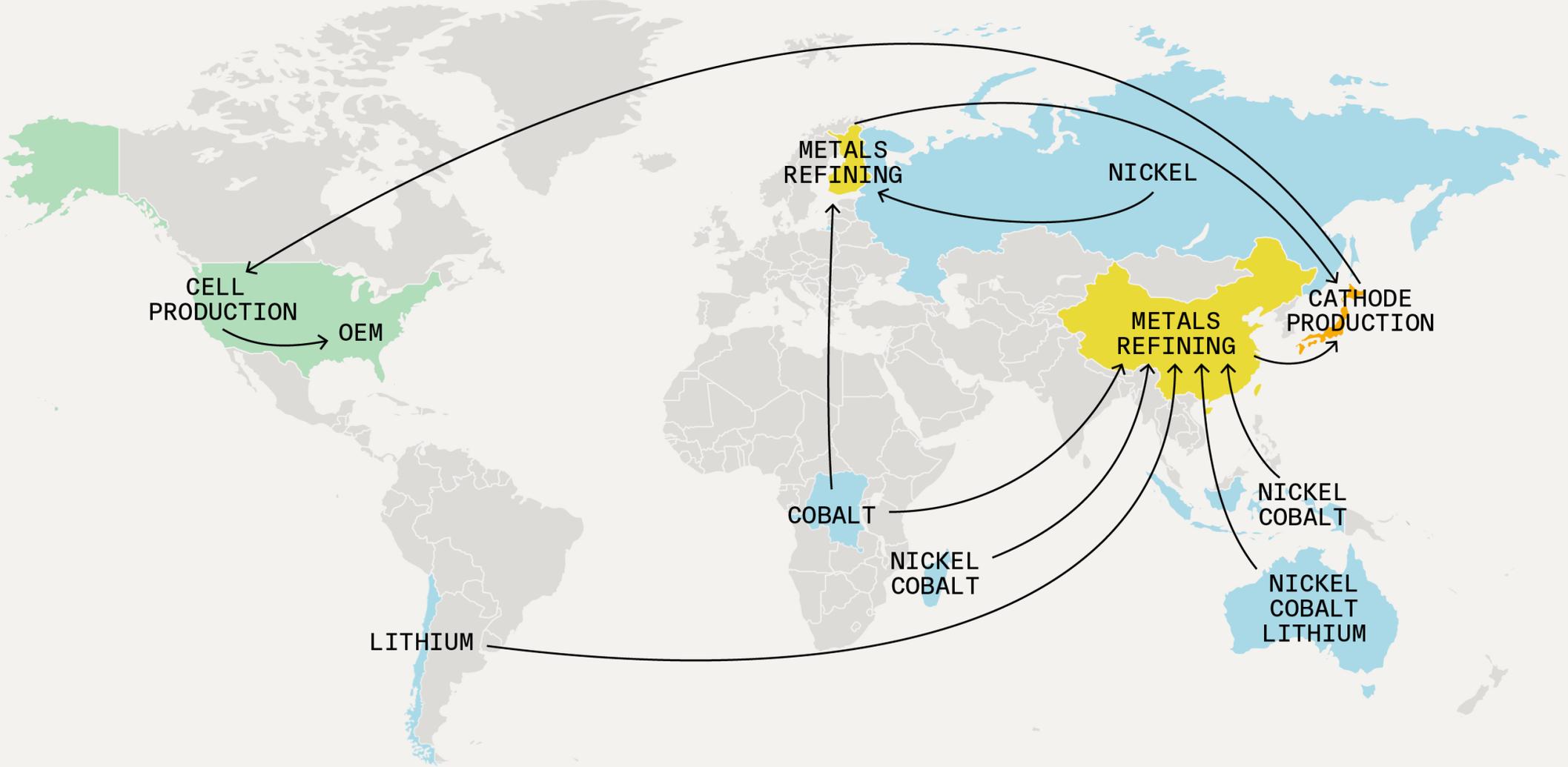




REDWOOD

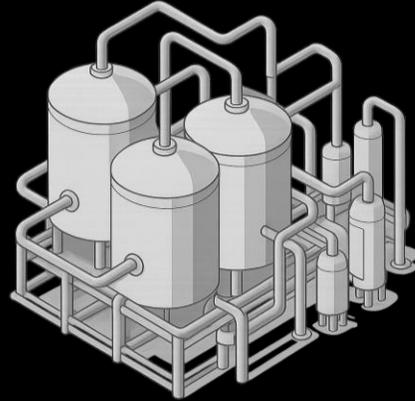
MATERIALS

The current 50,000+ mile battery supply chain



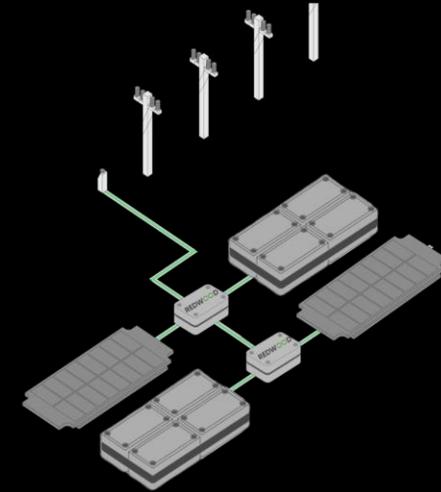
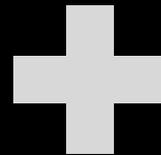
- Battery production
- Metals mining
- Metals refining
- Cathode production

Redwood's two integrated business lines:



Critical Materials

Cobalt, Nickel, Copper, Lithium
and Cathode Active Material



Grid Energy Storage

Very large scale, lowest cost, best
integration

Our Focus

COLLECTION



Batteries for recycling

RECYCLING



Materials specific recycling

REFINING



Lithium extraction and conversion

MANUFACTURING

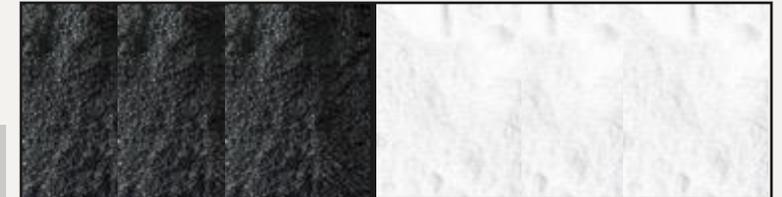


Partners



Cathode Active Material

SALES / PRODUCTS



Battery Metal Intermediates



Cathode Active Material



Second Life Energy Storage

Redwood recycles **20 GWh** of lithium-ion batteries annually

Equivalent to:

60,000

Metric tons

250,000

Electric vehicles

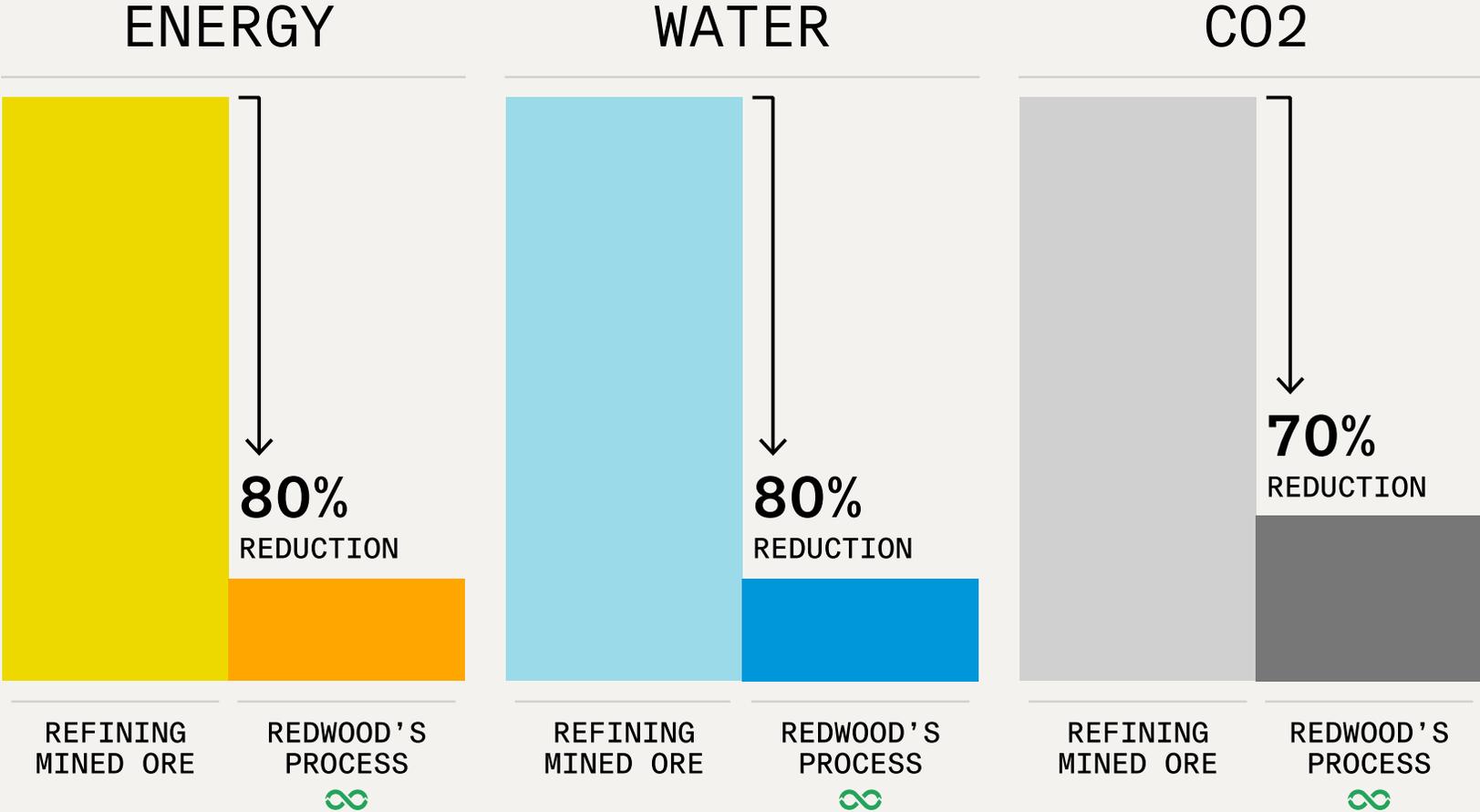
1.567B

Cellphones

Redwood Process Sustainability



RESOURCE CONSUMPTION AND EMISSIONS
REFINING MINED ORE VS.
RECYCLING AND REFINING BATTERIES



Source: Stanford University Precourt Institute of Energy

Redwood Tahoe Campus



Refining – Continuous Calcination (RC1)

Refining – Hydro1

Cathode – RK Fabrication

Cathode – CAM Pilot

Solar & battery energy storage system (BESS)

Cathode – CAM Commercial 20ktpa / building

Intermediate goods, direct materials

Offices

Non-live incoming materials, finished goods

Incoming live cells for Refining



Partnerships

VEHICLE OEMs



CELL MANUFACTURERS



CONSUMER ELECTRONICS



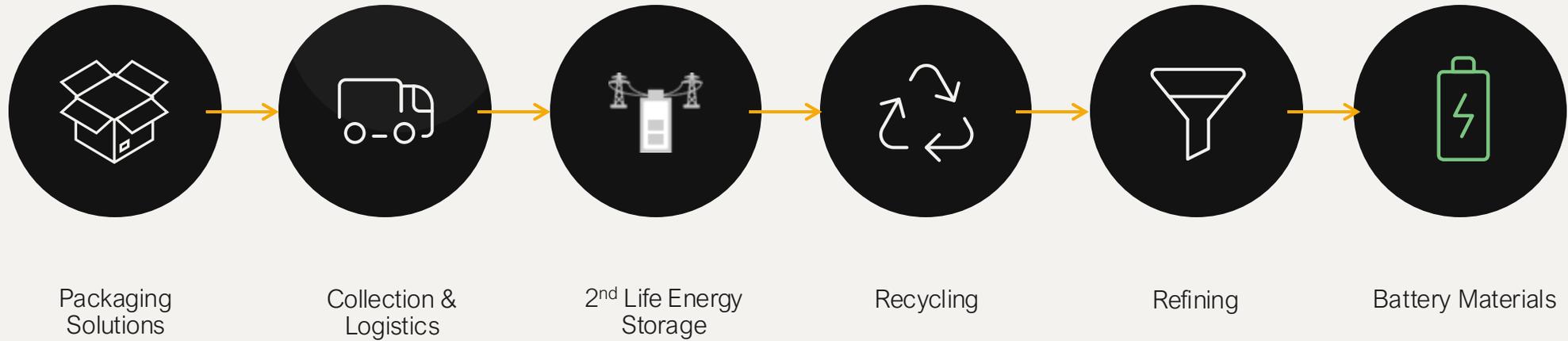
E-MOBILITY



ENERGY STORAGE



Redwood's End-to-End EV battery Management



Second Life Energy Storage



The Largest Microgrid in North America & Largest Second Life Battery Deployment in the World

Battery Energy Storage

~63 MWh

12 MW Continuous
15 MW for 20s

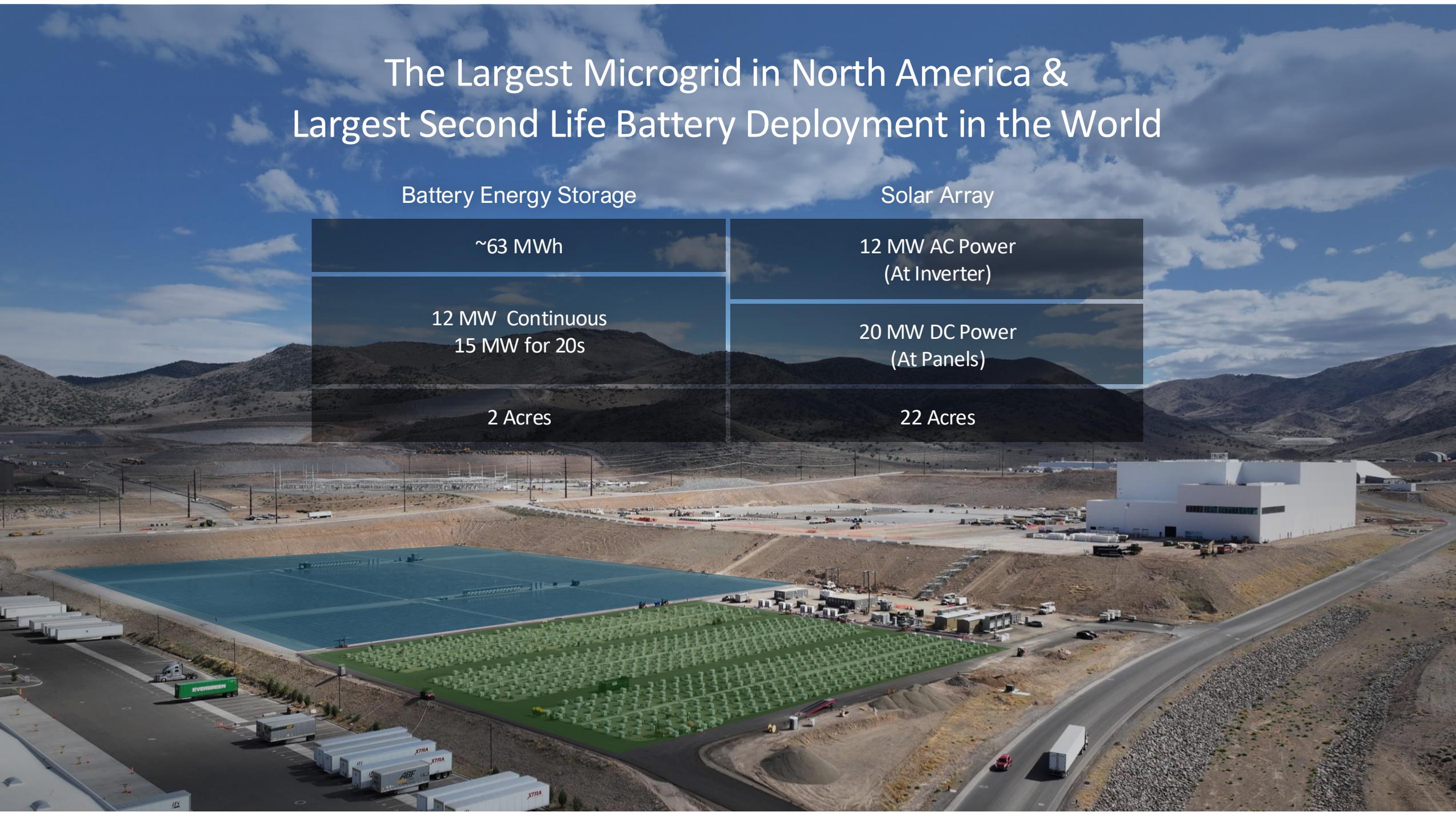
2 Acres

Solar Array

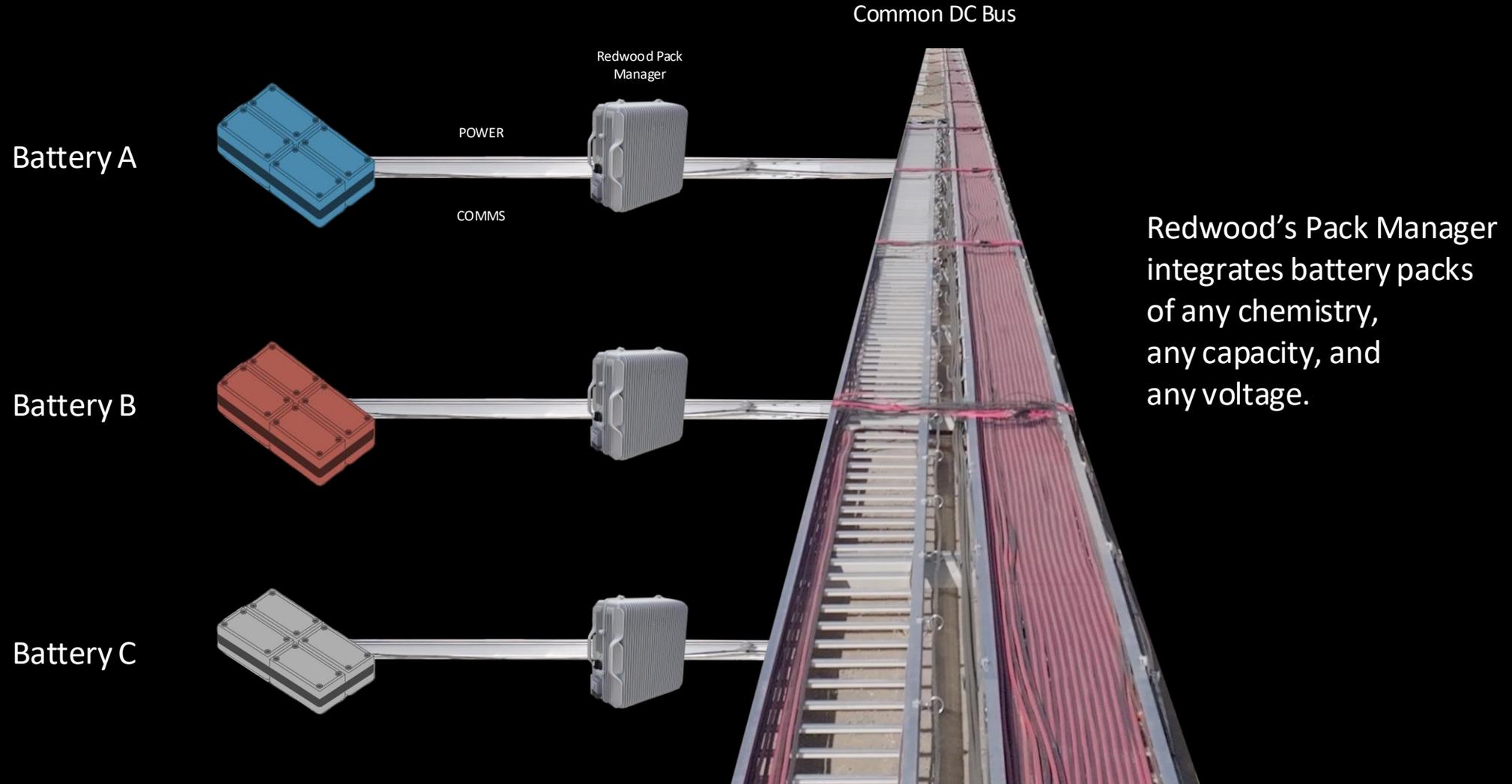
12 MW AC Power
(At Inverter)

20 MW DC Power
(At Panels)

22 Acres



Redwood's Pack Array Architecture



Redwood Energy Storage

Rapid scale carbon-free electricity and data center load support

Leveraging existing capabilities...



Largest battery recycler
in North America

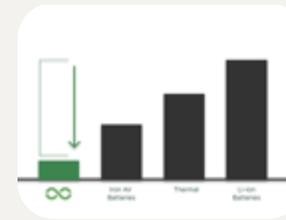


~1 GWh of usable packs in
inventory, adding 5 GWh
over the next 12 months



Decades of leadership
experience in energy
storage & power electronics

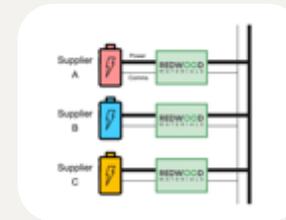
...to deliver first-of-kind solutions



Significantly lower cost
than existing energy
storage solutions



Longer durations
(6-24+ hours)



Rapid deployment,
flexibility, and scalability

Redwood Decommissioning Services Overview

Full decommissioning services for Commercial and Utility scale BESS

Offerings:

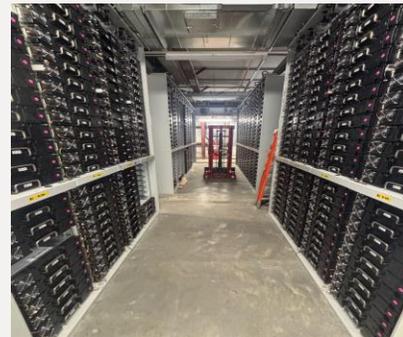
- Full site decommissioning, container and module teardown and removal
- Balance of systems removal
- Thermal event mitigation
- DDR material packaging and recycling
- Packaging certified and logistics services
- 2nd life testing options
- Recycling services for all battery materials

Experience:

- Commercial and Utility Scale Projects
- Process end of life and thermally impacted materials
- Decommissioned over 1.5M lbs of battery material across the United States
- Industry experts in battery materials, handling and processing
- Largest battery recycler in the US



Industry Leader in Safe Packaging and Transport



Support Both Module and Container Scale Projects



Commercial and Utility Scale



Thank you

REDWOOD
MATERIALS