

An aerial photograph of a winding asphalt road that curves through a dense, lush green forest. The road is dark and has white lane markings. The trees are vibrant green and densely packed. The overall scene is serene and natural.

Building transparent and traceable battery value chains

September 2023



The leading solution for
supply chain traceability

Providing end-to-end supply chain transparency

Create digital twin



Identity

Face Recognition



Origin

GPS / QR / NFC
Tags

Trace material through industrial process



Refining

Mass Balance



Shipping

Container Tracking



Manufacturing

Mass Balance



Logistics

GPS & RFID



Final Assembly

Product ID

Our solution tags and tracks the commodity itself, recording the processes and chain of custody and creating confidence in the provenance of materials.

Working with the industry's leading players



BHP

Polestar

TRAFIGURA

**BMW
GROUP**

**FINNISH
MINERALS
GROUP**



VULCAN ENERGY
RESOURCES
Zero Carbon Lithium™

CATL



CNGR 中伟

StoreDot

LG Chem

**BLACKSTONE
MINERALS**

GLORY MICA
PROFESSIONAL IN MICA

Element 25

**posco
CHEMICAL**

TotalEnergies

**华友钴业
HUAYOU COBALT**



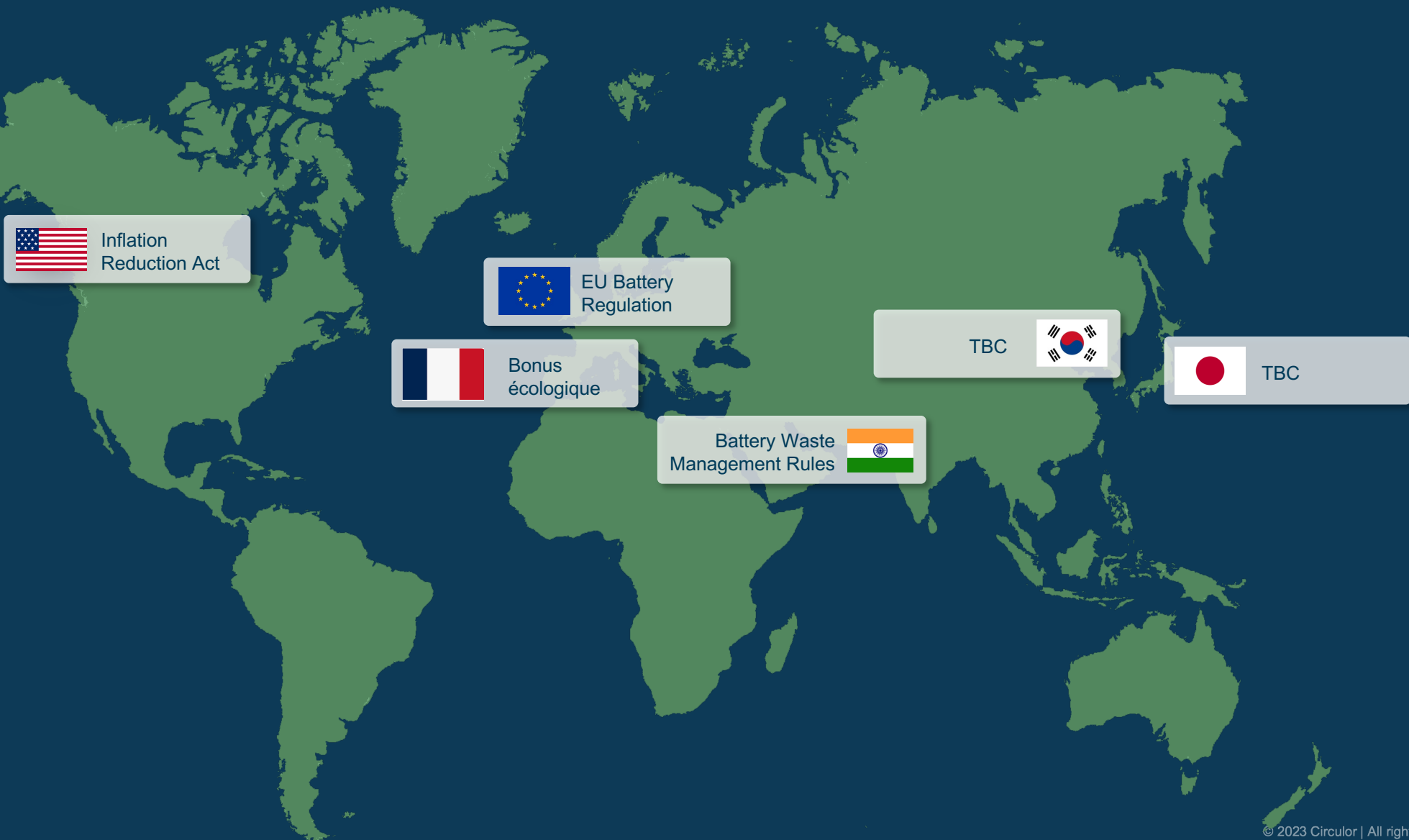
LG Energy Solution

BLACKEARTH
Specialising in Critical Commodities

**RockTech
Lithium**

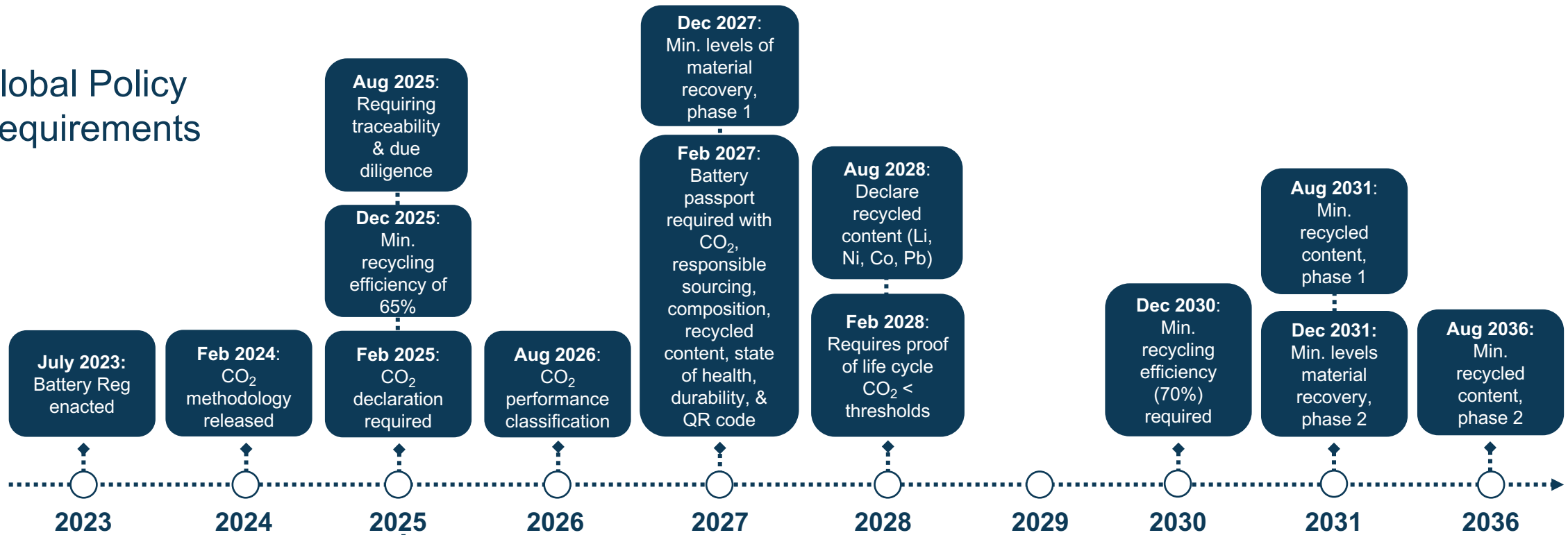


Global regulations are growing in number and complexity

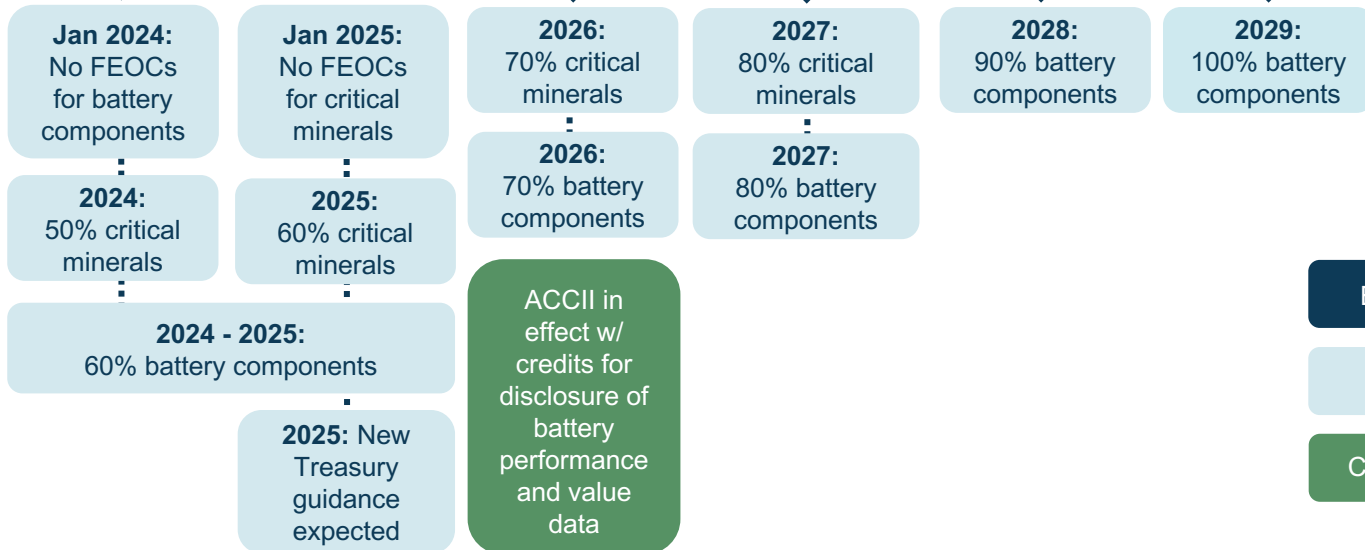


Global Policy Requirements

Europe



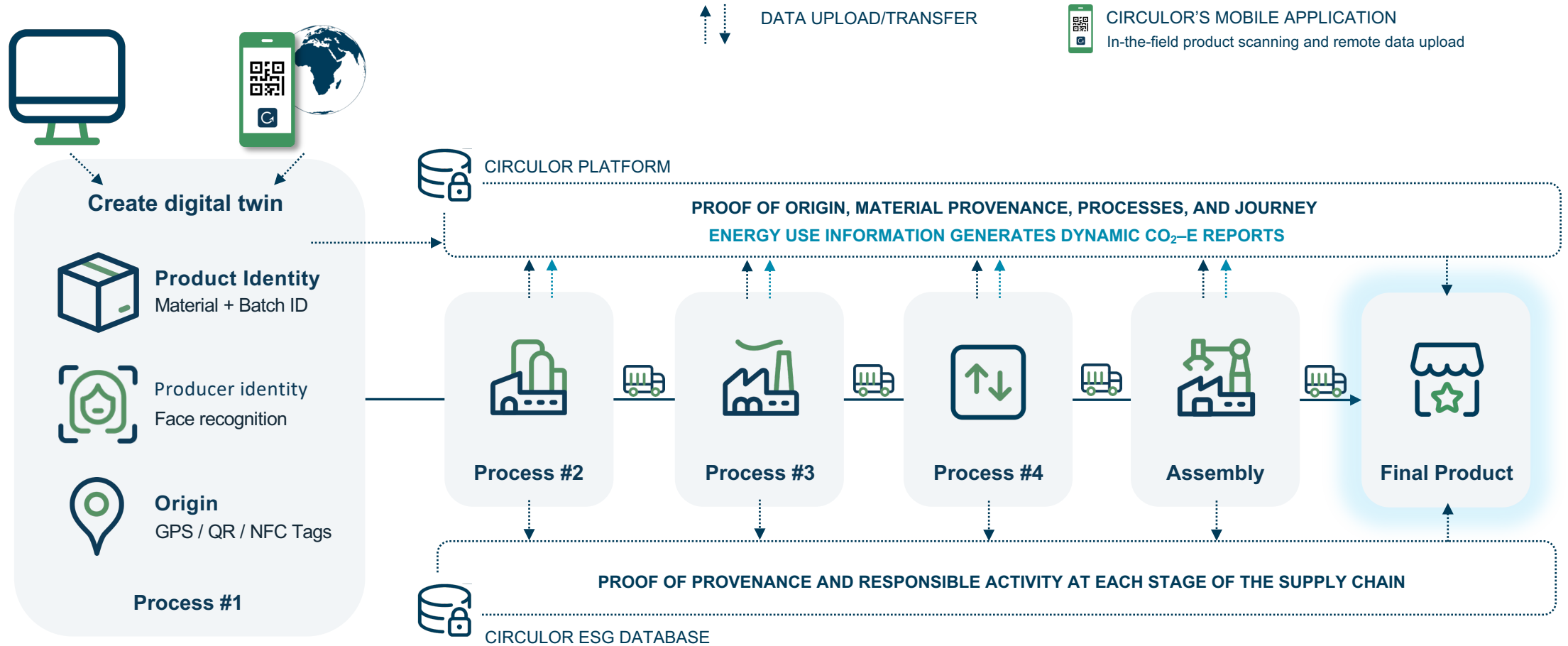
United States



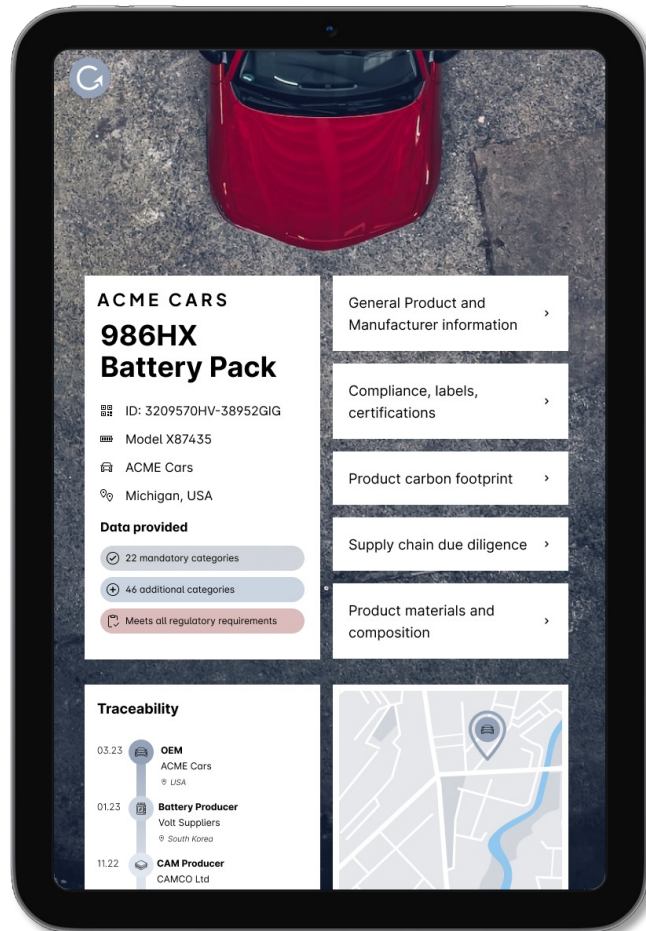
- EU Battery Reg
- Clean Vehicle Tax Credit
- California's ACCII



Traceability and emissions: supply chain data flow



Circular's Battery Passport



A Battery Passport is a digital solution that collates, stores and displays information about a battery's entire life cycle.



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The leading solution for
supply chain traceability

www.circulor.com