THE BATTERY PASSPORT

An introduction for supply chain companies and other stakeholders

GLOBAL BATTERY ALLIANCE

BATTERIES POWERING SUSTAINABLE DEVELOPMENT

The Global Battery Alliance (GBA)'s flagship Battery Passport programme aims to scale a sustainable, responsible and circular battery value chain by 2030, as a key enabler of a just clean energy transition. **The GBA Battery Passport** is an emerging **global sustainability certification for batteries**, underpinned by indicators that allow data on site- and facility-level sustainability performance in the battery supply chain to be gathered, verified, scored, aggregated and compared. It is built on innovative Digital Product Passport protocols and technologies, to enable trusted and harmonized supply chain data to be harnessed more efficiently than ever before.

How does it work?

The GBA Battery Passport is breaking new ground by bringing together responsible sourcing, due diligence, digital technology, product carbon footprinting and multi-stakeholder consensus building. Companies from across the supply chain, service providers, civil society, governments and other stakeholders come together to build consensus in a multistakeholder environment, working toward common sustainability goals.

The reporting scope of the GBA Battery Passport is from raw material (through mining or recycling) to battery manufacture. Throughout the supply chain, Battery Passport reporting measures the strength of sites' and facilities' sustainability policies, evidence of sustainability practices, and attainment of voluntary sustainability standard certifications. By translating these metrics for sustainability performance into numerical scores and aggregating them at the battery level, the Battery Passport allows for performance benchmarking and straightforward comparison between batteries, to incentivise progressive improvement in sustainability performance across the battery supply chain. In the future, the GBA plans to make insights related to global level battery supply chain sustainability performance available on a public data platform, based on aggregate and anonymized data gathered from Battery Passport reporting.

By implementing the GBA Battery Passport, battery supply chain companies demonstrate their commitment to sustainability, grow trust and value for their stakeholders, build supply chain transparency, manage reputation risk, become more resilient to supply disruptions, and meet regulatory reporting requirements more efficiently.

Piloting and delivery timeline: From the world's first battery passport proof of concept towards an operational battery passport at scale

The GBA has facilitated two piloting rounds, in 2023 and 2024, which trialed key aspects of the Battery Passport and drove its development. In January 2023, the GBA launched the **world's first battery passport proof-of-concept** pilot, integrating the tracking and tracing of material flows for cobalt and lithium with consistent reporting on battery carbon footprints, and their child labour and human rights due diligence performance. The next piloting round, in 2024, was **the world's largest pre-competitive effort to establish an interoperable and commonly agreed battery passport framework**. It included 10 pilot consortia, led by cell makers representing over 80% of global electric vehicle battery market share, reporting against performance expectations for environmental and human rights due diligence, child labour and forced labour mitigation, Indigenous Peoples' Rights, biodiversity protection and circular design, and calculating battery carbon footprints. Using lessons from the pilots, the GBA is working towards finalization of the Battery Passport sustainability reporting framework, which includes an equivalency system to recognize attainment against existing standards,

HOW TO JOIN:

Learn more, engage and **join the GBA**

The GBA Battery Passport defines a measurement framework for site- and facility-level sustainability performance and sets rules for how associated data is passed between organizations, how supply chains are made visible and how the trustworthiness of data is assured. We work with technology partners who implement digital solutions for supply chain companies based on these rules and frameworks. The gathered data allows physical batteries to be graded for their supply chain sustainability attributes and to achieve GBA certification.

and is developing a cohesive data exchange and assurance ecosystem. Operational trials will take place in 2025-2026, and a fully operational Battery Passport will be launched in 2027.

Why should supply chain companies participate now?

The operational Battery Passport that will be launched in 2027 will provide a sustainability reporting and performance measurement system that all supply chain companies can engage with. But GBA member companies are seeing value creation from their participation in the development of the Battery Passport, right now. Member companies have the opportunity to co-create Battery Passport reporting requirements, frameworks and expectations for sustainability performance measurement, methodologies and harmonized approaches to carbon footprint calculations, and a pioneering data exchange and assurance system build on Digital Product Passport principles. As a result, GBA member companies stand out from the pack. They demonstrate their commitment to sustainability principles and a just clean energy transition, and as first movers they are well positioned to harness the strategic gains that the Battery Passport can bring. These include supply chain resilience built through transparency and risk awareness, an enhanced ability to assure stakeholders of sustainability performance, a more efficient way to meet emerging compliance requirements, and collaboration opportunities with like-minded organizations from across the globe.

Questions?
Email us **secretariat@globalbattery.org** and follow Global Battery Alliance on **LinkedIn**

GLOBAL BATTERY ALLIANCE
BATTERIES POWERING SUSTAINABLE DEVELOPMENT