



Building the  
New Economy of Movement

# MOBI batteryTRAK

## Standards-Based Battery Passport for Interoperability, Extendability, and Cross-Border Compliance

As the use of batteries increases in various industries and applications, such as electric vehicles and renewable energy storage, stakeholders must align on a standardized approach to promote quality assurance, safety, and circularity in the global battery value chain.

MOBI is working with public and private ecosystem stakeholders across the globe to create an implementation framework, reference architecture, and data schemas for a decentralized battery passport system that can be used to improve the visibility and sustainability of the battery supply chain. MOBI believes the creation of a global battery passport is critical to facilitate seamless communication in production management, maintenance, safety, second and third-life uses, and recycling while meeting consumer demands and ensuring regulatory compliance.

Together with the GBA, we are committed to helping the industry implement a standards-based **global battery passport** that is:

 Interoperable and extendable	 Platform and legacy system agnostic	 Cross-border and data privacy compliant	 Built using Zero Trust Architecture
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The creation of a global battery passport will unlock new circular business models by giving stakeholders new tools to ensure **EV batteries are produced, distributed, maintained, and recycled in a safe and sustainable way, opening the door to an array of second and third-life battery uses.** The availability of battery data will enable ecosystem stakeholders to ensure that their assets and operations comply with emerging domestic and international regulations surrounding battery manufacturing, distribution, and recycling, such as the **EU Battery Directive.**

As a nonprofit, global smart mobility consortium, MOBI is uniquely positioned to contribute to the development of the global battery passport. MOBI Battery Initiative has so far produced three standards focused on the battery value chain, with more to come. MOBI will continue to collaborate closely with the GBA to accelerate the creation and adoption of the global battery passport and clear the path for future innovations.