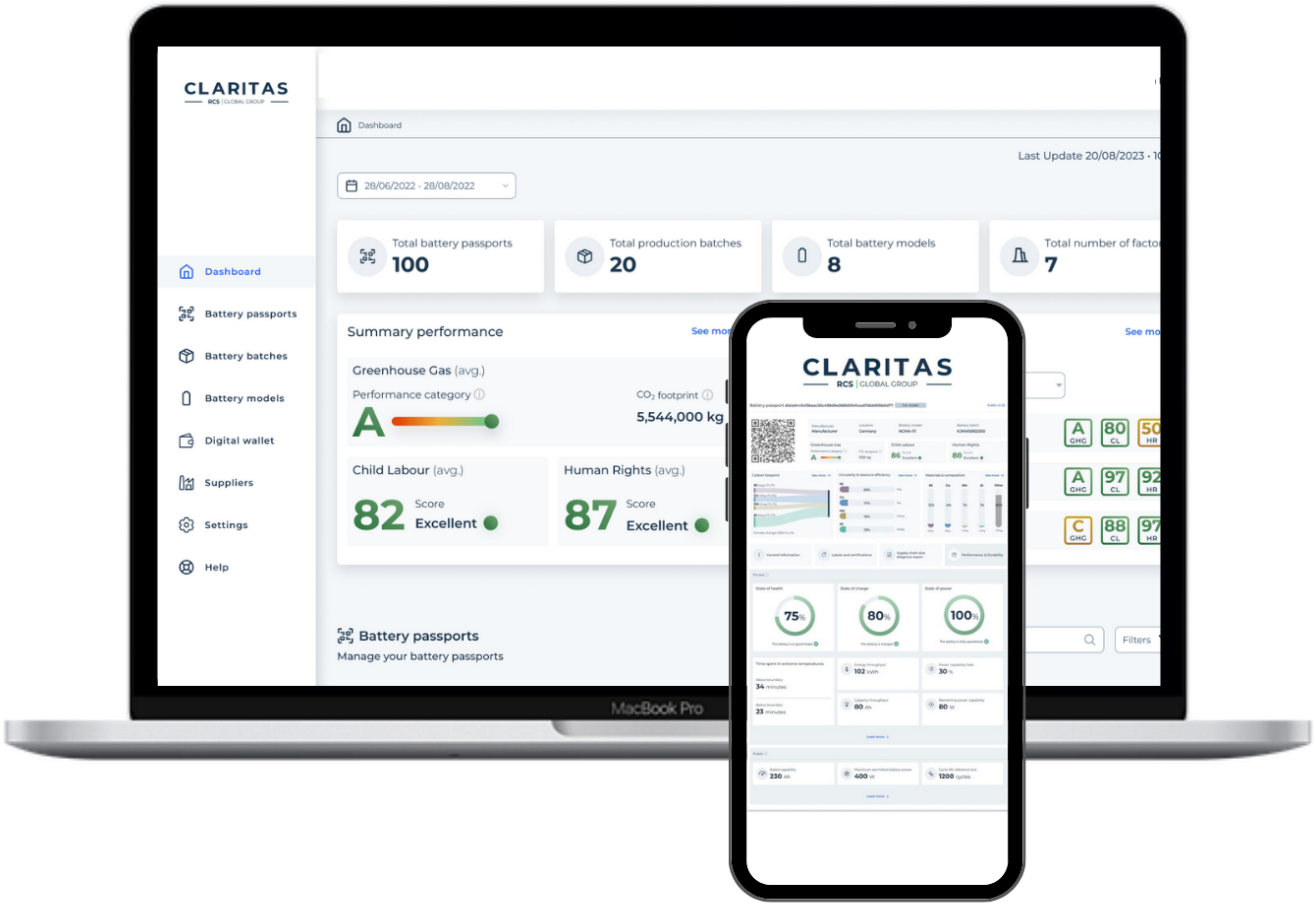
RCS GLOBAL GROUP
AN SLR COMPANY

Products Overview

Digital Solutions

January 2024



Our Solutions

1 CLARITAS

Our **goal** is to implement a global vision of sustainable, responsible and circular battery value chains. Empower OEMs and battery makers to provide **digital battery passports** to the market

2 VINE

Our **goal** is to create the ultimate **end-to-end due diligence management platform** that facilitates efficient discovery and visualization of the entire supply chain

3 TRACE

Our **goal** is to enhance product supply chains by connecting the physical and digital aspects, ensuring thorough **product traceability and transparency**

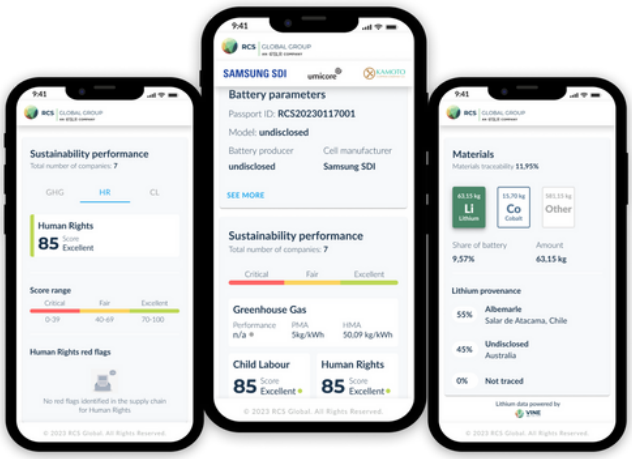
4 RMP

Our **goal** is to achieve readiness for strategic scaling, supporting the **expansion of Better Mining** initiatives

How we can help you?

- Meet stricter regulations and stakeholder demands for transparency and supplier and sub-supplier data disclosure.
- Simplify the complexities of the supply chain, assisting communications with internal and external stakeholders.
- Practice data-driven due diligence, fostering supply chain improvements and responsible upstream processes.
- Explore best-in-class, high-quality ESG data and software, including Data as a Service, Software as a Service, and Traceability as a Service.

Why RCS Global Group as a digital solutions partner?



- Global leader in responsible sourcing and supply chain ESG for battery raw materials.
- Proven experience in supplier and material traceability. Large network in the market.
- Existing, credible platform and database providing chain of custody between suppliers.
- Performance scoring for n-tier suppliers. Can be aggregated and averaged.
- Collaborative, non-exclusive approach to technology, while understanding the complexities of supply chain relationship and safeguarding commercial sensitivity.
- Alignment and compliance with existing and emerging regulations and standards.
- Interoperability readiness with emerging data exchange standards/ecosystems.
- Verifiable data between all stakeholders, without central components and without bilateral integrations.
- Engaged in Global Battery Alliance (GBA) initiatives, collaborating on a sustainable and responsible battery value chain.

CLARITAS Battery Passport

In the evolving landscape of electric mobility, a new regulatory milestone has been reached: the **EU Battery Regulation.** Among the various requirements of this new regulation, the mandate to establish a comprehensive Battery Passport looms on the visible horizon, requiring special attention from OEMs and EV battery manufacturers.

Similar to a real passport, the Battery Passport will be an immutable digital ledger, a record of the journey the raw materials have taken, where and how they were extracted and processed, and information about its lifecycle.

By **February 18, 2027**, OEMs and EV battery manufacturers falling within the regulatory scope will be responsible for ensuring that Battery Passports have been issued for their batteries. Given the overwhelming amount of data that will need to be included in this Battery Passport – most of which is still far from being collected as of today – it is imperative that affected companies already start adapting their processes and begin engaging their supply chains. Understanding the specific data requirements for collection and disclosure is critical, laying the groundwork for compliance when it transitions from concept to reality.

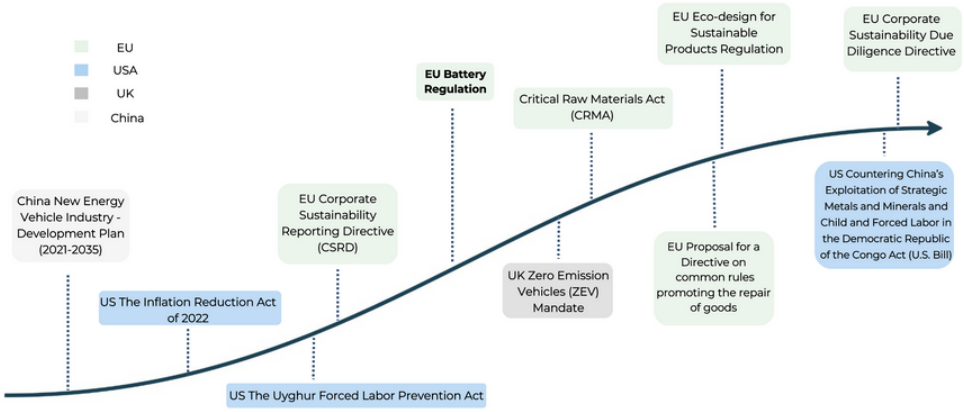
Our RCS Global's Claritas program is building a digital solution for Battery Raw Materials (BRM) enabling the traceability of BRM and attached to this the collection of validated responsible sourcing and Carbon Footprint data.

Claritas users will be able to issue a battery passport (BP) that contains consistent data sets to meet both the EU Battery Regulation requirements and the critical mineral and battery manufacturing requirements to meet the requirements of the Inflation Reduction Act Clean Vehicle Credit.

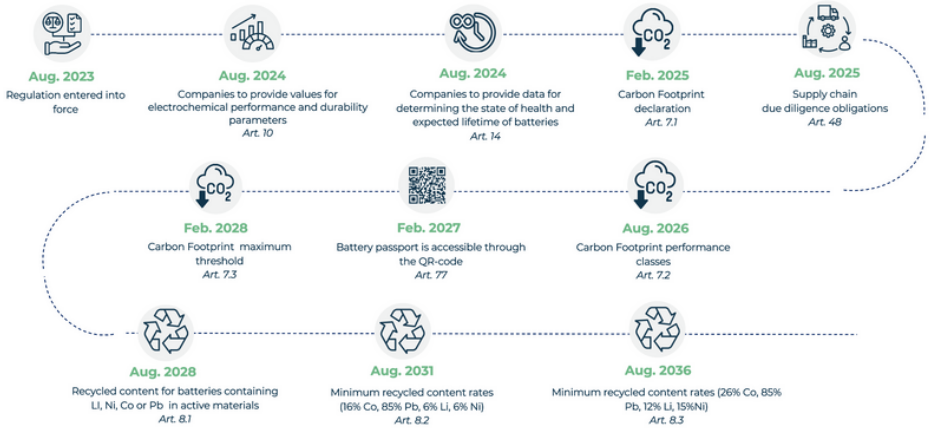
Our Claritas solution harnesses the expertise of our Mapping & Audit Practice, Digital Solutions, and our SLR Carbon Footprint expert colleagues to build on the Vine platform and provide a holistic suite of tools to amplify supply chain visibility, drive sustainable practices, and ensure transparency and compliance with EU Battery Regulation.

What is the Battery Passport?

Current and upcoming regulatory developments



The EU Battery Regulation Roadmap



CLARITAS Battery Passport

The Battery Passport is the key instrument to enable developing a transparent, sustainable, circular and just battery value chain.

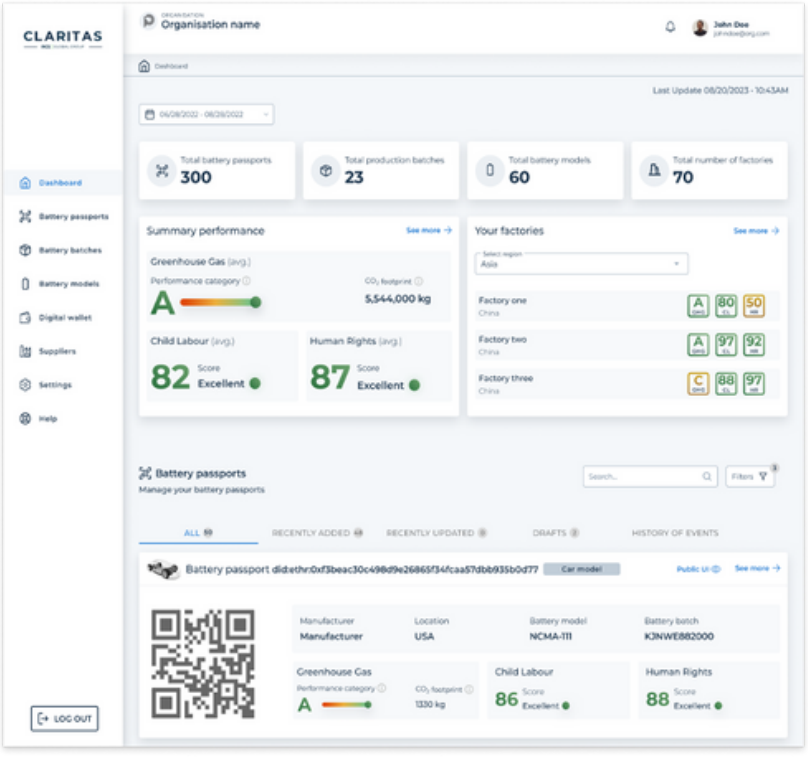
The Battery Passport covers a number of different aspects:

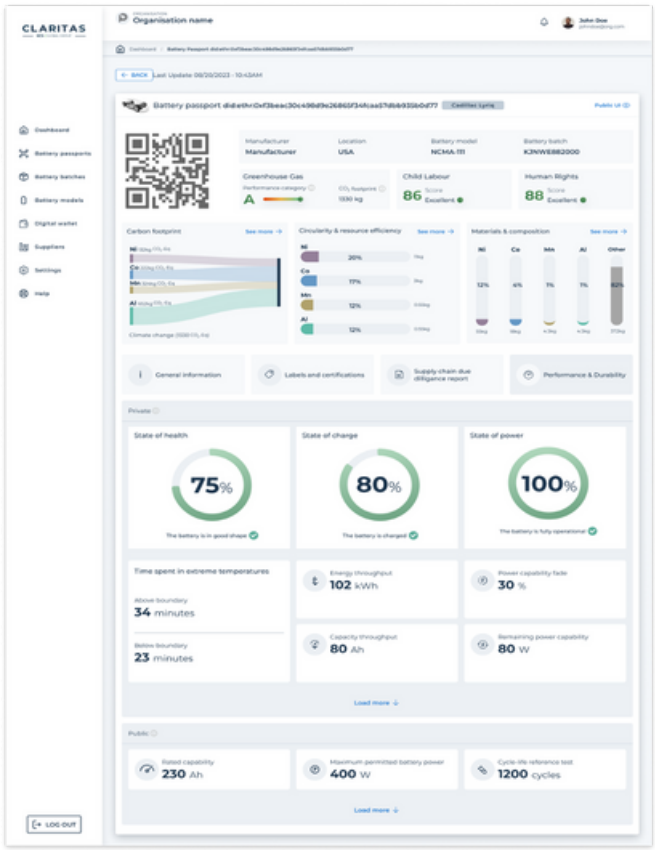
- Technical Strong Chain of Custody system, supplier and material traceability from mine to market
- Data integrity and data sovereignty for commercial disclosures
- Transparency (public data), regulatory performance (e.g. EU regulation), and confidentiality (commercial data)

Our Claritas Programme:

- Identifies the reference standards on ESG criteria (incl. carbon footprint) to meet the legal requirements
- Implements a feasible reporting process that enable the interoperability of different data systems

Visual Representation of the Battery Passport Disclosure Platform





CLARITAS Battery Passport

Claritas builds on VINE and will issue to each participating company:

a) Digital wallets based on Self-Sovereign Identity (SSI) technology

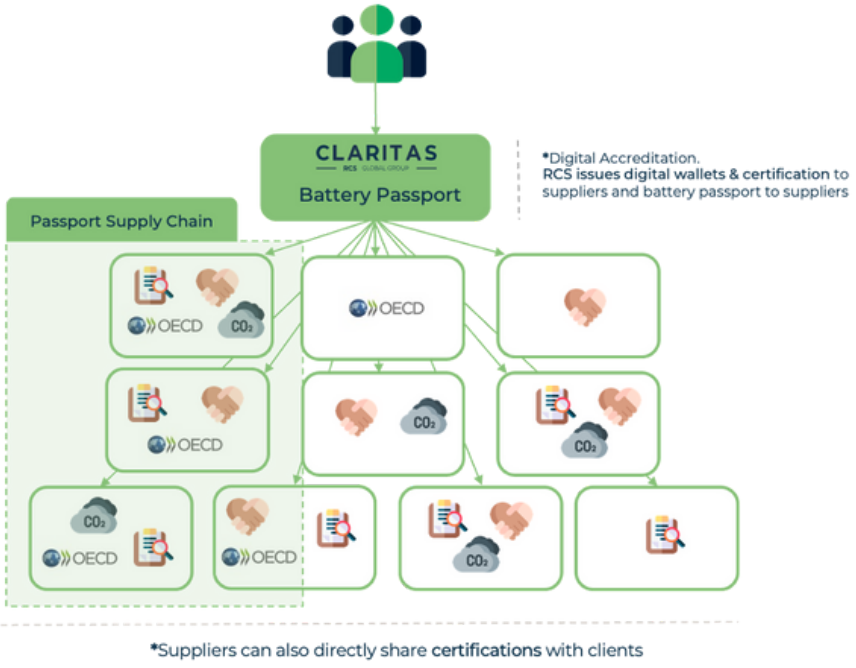
b) Digital accreditations

c) Battery passport based on combined traceability, due diligence and sustainability data

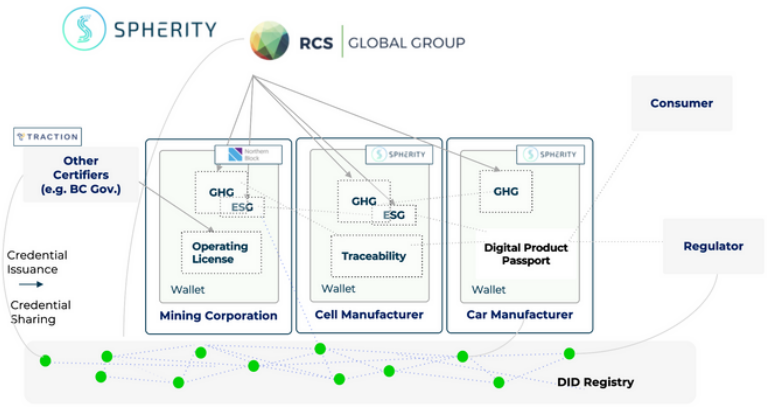
SPHERITY

Digital wallet technology:

- enables secure exchange of **verifiable data**
- facilitates **interoperability** with other data ecosystems and **is scalable**
- grants **data sovereignty** for suppliers and different **access levels**
- generates **user-friendly** B2C passports



Data Flows. Credential Sharing and Verification in the Supply Chain



Our vision is to establish a data ecosystem of verified battery raw materials suppliers by 2025 to enable OEMs and battery makers to deliver digital battery passports to the market and regulators.

Claritas Activities in 2024

- Leverage the growing Vine ecosystem of over 2000 confirmed and validated actors in battery value chains
- Establish digital wallets for each participating company/supplier based on Self-Sovereign Identity (SSI)technology
- Assess companies in the network against regulatory requirements for GHG, HR and supplier and material traceability and Issue digital ESG credentials
- Provide a battery passport for each participating OEM from mine to market based on verified and validated datasets
- Ensure compliance and digital interoperability with EU and US regulations and major digital exchange standards
- Collaborate and cooperate with industry programs, private sector actors and solution providers

CLARITAS

OUR DEFINING FEATURES

- **Expertise in Supply Chain and Data Management**
- **Digital Wallet Technologies**
- **High-Quality Data**
- **Trusted Auditors**

Lessons learned so far

In January 2023 RCS delivered one of the world's first end-to-end battery passports for Audi and Samsung SDI as part of the Global Battery Alliance (GBA) proof of concept. The PoC confirmed our core belief in the need for high-quality, assured data, and interoperable technology. The project also illuminated multiple technical difficulties with BRM traceability and data consistency, underlying BP delivery, as well as structural impediments to obtaining supply chain data. This trailblazing experience greatly influenced the concept design of Claritas.

Our BRM Traceability and BP Solution: Claritas

Characteristics of BRM supply chains	Claritas Response
Mistrust, lack of transparency and verifiability, reluctance to share data, need for confidentiality (commercial and regulatory constraints)	Trusted clearing house, including immutable digital certification. Supplier data sovereignty over disclosures. Peer to peer data exchange Aggregation of data
Complexity of data disclosure requirements, leading to poor, incorrect data disclosures	Clearly defined disclosure requirements. Use of independent audits
Legacy data and diverse data systems	Decentralized system of data exchange based on Self-Sovereign Identity (SSI) that can align with forthcoming data exchange standards

Get in touch

If you would like to speak to RCS Global regarding CLARITAS Battery Passport, please contact us at any point.

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