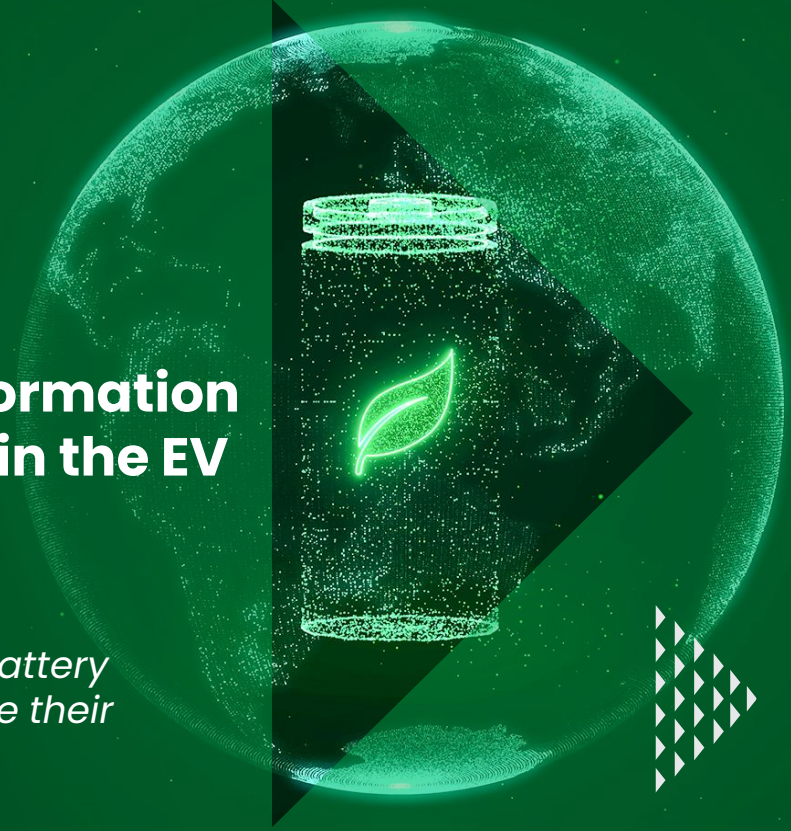


Closing the Loop: Circular Economy Transformation of a Company Operating in the EV Battery Recycling Space

How a digital platform for effective battery recycling helped our client streamline their approach to sustainability



A major company operating in the EV battery recycling space, our client consistently works towards bringing down their CO2 footprint.

Challenges

The client wanted to create an effective and eco-conscious method for recycling lithium-ion batteries.

Recycling batteries is complex given their hazardous nature

Resource reclamation without a recycling system was difficult

Improperly disposed batteries contributed to soil contamination

Collaboration

Xoriant team, with its strong technical expertise and experience, helped client enhance their battery recycling model leveraging Catena-X, an open data ecosystem that enables an automated data-driven value chain for the automotive industry.

Co-developed

Workbench for battery recycling, connecting data between the battery recycler and other automotive companies in the supply chain using Catena-X

Delivered

Enhancements in the platform for sharing, leasing, reusing, repairing, refurbishing, and recycling of batteries

Reduced

Time-to-market by addressing complexities in processes and data reporting

Simplified

Data exchange with customers like car dealers, battery producers, logistic users etc.

Business Value



Enhanced

Data integrity, real-time analytics, visibility, and traceability with all the data in one place



Slashed

CO2 footprint by recycling batteries safely



Achieved

A faster time-to-market and a circular economy

Technology Stack

**Java | Spring Boot | ReactJS | Postgres | Azure Event Hub | MongoDB
Power BI | Python**

Xoriant provides advanced technology solutions and software development services for global banks, software product companies and F500 market leaders. Based in the U.S. with 17 global offices and 5000+ engineering professionals, Xoriant demonstrates exceptional experience in banking and finance infrastructure modernization and cloud migration. We deliver expert digital engineering, as well as offsite and offshore services, across high tech, healthcare, pharma, industrial manufacturing, telecom, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.