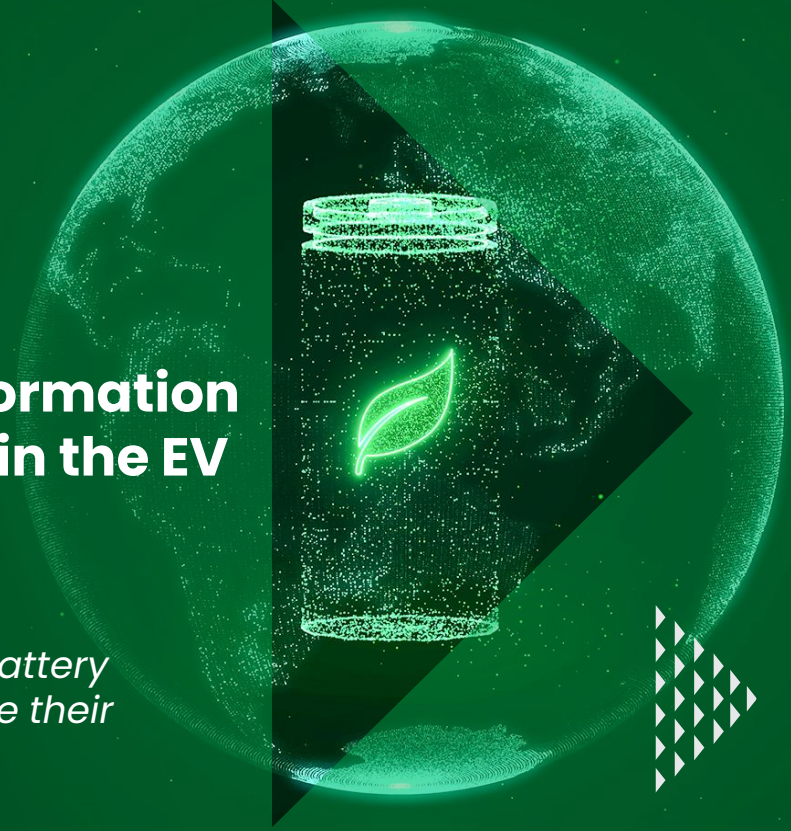# xoriant
Success Story

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