Powering the next generation of your EV Battery Technology

Background
As the Electric Vehicle (EV) market continues to grow at an exponential rate (many analysts predict that EVs will represent 30% of all new registered cars by 2030), the EV battery sector continues to develop innovative designs and material solutions to extend the life between charges and maximise the driving range of the vehicles they power. Enabling that goal, Pall is involved in many development projects and manufacturing process upgrades to improve the quality of production across the entire EV battery value chain.

CASE STUDY
EV Battery Solutions Charged for Success

From mining and mineral processing to final assembly of EV batteries, we have solutions to improve your production process

While the sector is experiencing rapid growth, manufacturers are increasingly developing innovative designs and material solutions that offer extended autonomy and flexibility of EV batteries.

Producers of EV battery base and active materials face strict product quality requirement since contaminants can impact the performance and the longevity of the battery or cause catastrophic events such as fires. Improved product quality and reliability in new processes and technology while adhering to the highest safety standards are key to minimizing these concerns.

Filtration plays a critical role in enabling manufacturers to not only grow and diversify but also become key players in the transition to clean energy technology.

Functional Principle of a Lithium Battery (example)

Typical Applications

Filtration Solutions to Help You Drive Improved Quality and Efficiency

With our proven experience in filtration and separation technologies across a broad spectrum of industries, we are your perfect partner in the EV battery sector. Our advanced technical expertise acquired in markets from mining, microelectronics, specialty chemicals, polymers and automotive is already being applied to customers across the EV battery value chain. Combining global reach with local knowledge, we can offer exceptional support and efficient solutions to help you reach your quality and efficiency goals.

From mining and mineral processing to final assembly, we can help you achieve greater productivity in the EV battery market by:

• Improving end-product quality
• Reducing costly downtime and maintenance operations in your production process