

AI for Battery Optimization

At Intellegens, we specialise in optimizing and creating the most efficient batteries. Our technology can reduce costs related to **battery chemistry, battery pack design, and management systems**. Our data driven approach uses historical data to guide experiments and deliver new insights, leading to reduced testing and prototype costs as well as standardising the design process.

Benefits



Cut-down development costs



Reduce environmental impact



Optimize performance and key battery metrics

Check out our most recent publications and case studies [here!](#)

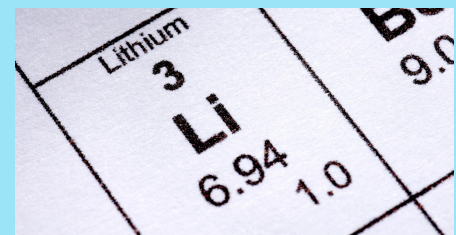


[Request a demo today.](#)

Alchemite™: Deep Learning for Material & Process Optimization

1 Battery chemistry

Reduce reliance on toxic materials and optimize the flow of current between the cathode and the anode.



2 Battery pack design and geometry

Alchemite™ optimizes the design to meet target requirements such as thermal management, power density, and charging rates.

3 Battery management systems

Alchemite™ predicts how many cycles a battery can have and how many years it will last before it starts degrading.

