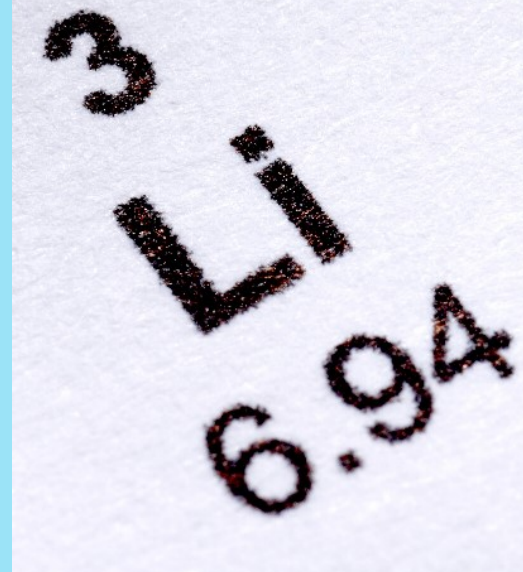


AI for Battery Optimization

At Intellegens, we specialise in optimizing and creating the most efficient batteries. Our technology can reduce costs related to **battery chemistries**, **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

- **Improve** key battery metrics
- **Reduce** fabrication and development costs
- **Reduce** environmental impact
- **Cut-down** unnecessary development costs
- **Optimize** performance
- **Predict** remaining useful life
- **Efficiently manage** state of health and charge
- **Optimize** battery cathode materials combining experimental data and guided DFT simulation data



Alchemite™: Deep Learning for Material & Process Optimization

Optimize formulations

Design new compositions and optimized processes with models that can target multiple parameters.

Guide Experiments

Query model for the best set of experiments to improve understanding

Validate Data

Identify erroneous data and impute missing data with a level of accuracy

Alchemite™ Engine API

Easily build models with your data using our AI engine via the well-documented API.

Special price for Faraday projects!

Contact us for a **free consultation!**

+44(0)2081234788

info@intellegens.ai

<https://intellegens.ai/batteries>