

Optimize Battery Development with Science-Based AI

Accelerate Battery Development

Currently, battery development and performance evaluation is time-consuming and resource intensive. The limitations of traditional iterative experimentation hinders researchers from meeting the demand of quick product cycles.

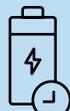
NobleAI offers commercially proven Materials Informatics solutions built with our innovative Science-Based AI technology to optimize electrolyte formulations, predict the end of useful EV battery life from limited test data and also addresses other important battery challenges.

-  Battery Electrolyte Formulations for Maximum Performance
-  Battery Cycle Life
-  Battery Energy Density
-  Charging and Operating Conditions for Maximum Performance
-  Cost by finding alternative materials and chemical components

NobleAI Use Cases



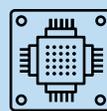
Battery Electrolyte Formulation



Battery Aging/State of Health



Performance vs. Component Properties



Battery Management Solutions



Other Battery Development Pain Points

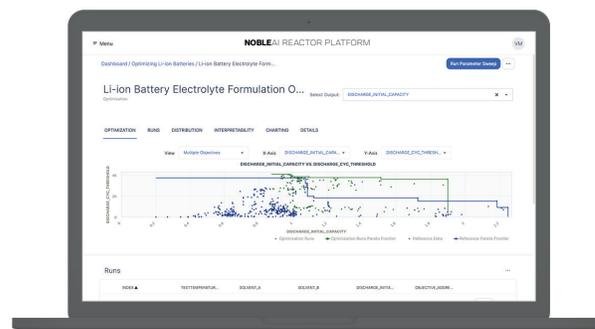


And More

Cloud-Based. Easy-to-Use. Powered by Science-Based AI.

The NobleAI Reactor Platform, combined with our unique Science-Based AI technology, delivers proven commercial solutions for battery applications.

Built on modern cloud infrastructure, the platform incorporates any available data, scientific principles and relevant design constraints to accelerate product development for battery scientists and engineers.



Predictable

Predict Lifecycle, initial capacity, and end-of useful life with early performance data

Efficient

Unlock actionable insights with fewer than 100 data points

Scalable

State-of-the-art cloud provisioning system scales quickly across your organization

Iterative

Improves the models' predictive power over time with reinforcing feedback

Rapid

Your teams can begin unlocking insights in less than a month

Accurate

Achieve by incorporating scientific principles

Contact us today to learn how NobleAI's Science-Based AI solutions can accelerate your project.

 www.noble.ai

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