



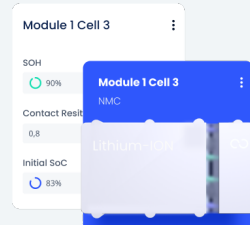
Circunomics Analytics

Replacing the “what-if” with precise and transparent data.

Circunomics’ innovative technology combines advanced analytics, machine learning, physics, and real-time data analysis to predict the future of battery health (SoH) and performance.

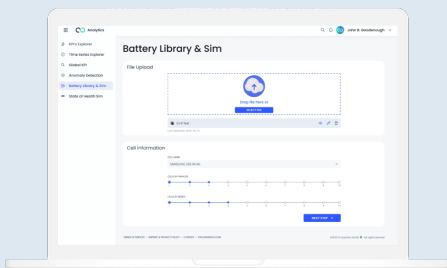
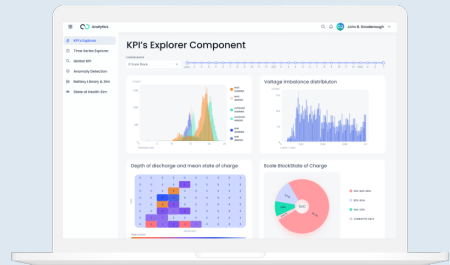
Digital Twin Technology

For each battery, we use static and historical data to build a digital twin. We then use this twin to mimic battery performance. Our digital twins are developed to be compliant with all EU regulations.



1st & 2nd Life Analytics

Through observing batteries in their 1st and 2nd-life, KPIs are monitored and remaining battery State of Health (SoH) can be determined. SoH is key to optimal lifecycle management. This technology empowers manufacturers to evaluate performance degradation, it provides security and predictive maintenance, and it maximizes efficiency and longevity.



2nd-Life Simulation

Your batteries may be reaching the end of their 1st-life, but they still hold a valuable capacity!

Through our simulation technology, we are able to demonstrate how your batteries will perform in a variety of 2nd-life applications.

This information provides you with the ability to make intelligent decisions, minimize waste, and reduce your overall environmental footprint.

This approach aligns seamlessly with the global commitment to sustainability - substantial cost savings and reduction of carbon emissions.



Analytics to your cloud

We deploy the Circunomics
App into your cloud



Data Connection

We connect your data to
the Circunomics App



Constant Improvement

We continue to improve the model
while monitoring your assets

Data Security

Your data security is of utmost importance to us. Through implementing advanced encryption, strict access controls, and comprehensive data privacy measures, we ensure that your data is protected.

With regular security audits, employee training, and a commitment to compliance and improvement, we safeguard your data integrity.



New Lab in 2024!

We look forward to moving all battery testing in-house soon! From cell testing to model construction, we will utilize our digital twin technology to its fullest. Stay tuned!

We are the Battery Matchmakers

Through predictive analytics and a B2B marketplace, we are challenging automotive OEMs, the energy sector, and recyclers to embrace a more circular and profitable approach.

LET'S CHAT:



circunomics

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