circunomics



Creating the global leading battery takeback & trading technology

What makes a battery truly sustainable?

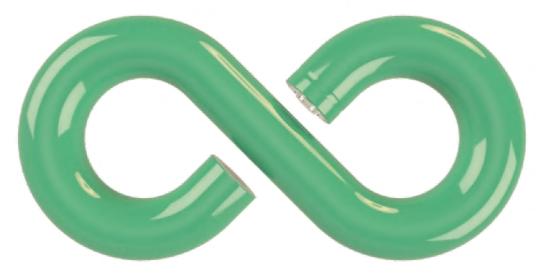
The battery is responsible for 50% of the cost of an electric vehicle or energy storage and for almost 70% of its lifecycle carbon emissions. The most powerful lever to reduce the carbon footprint and increase the profitability of a battery is a second life/use.

The world needs circular batteries.

To make this a reality, automakers and energy companies need a partner to manage millions of used batteries. Currently, they have no partner to transport, test, dismantle, remanufacture, and recycle tens of thousands of used batteries.

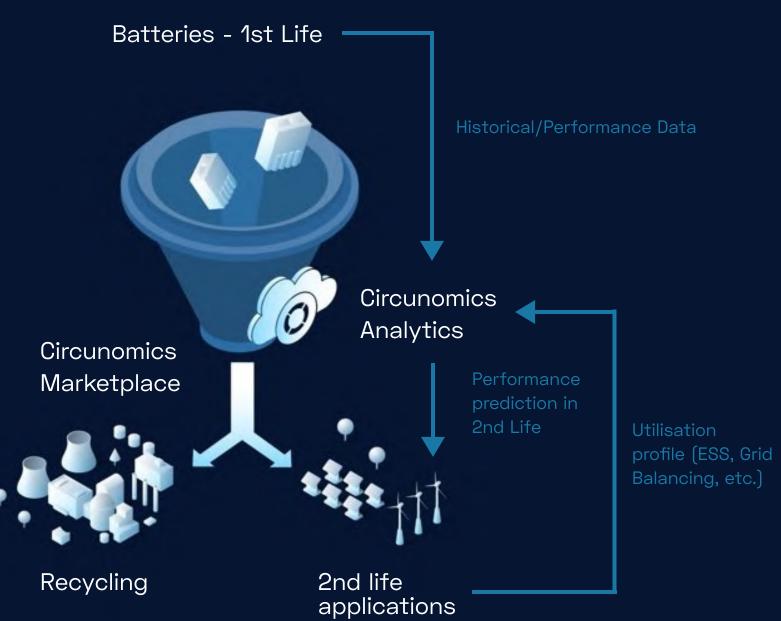
This is what Circunomics is changing.

CONFIDENTIAL

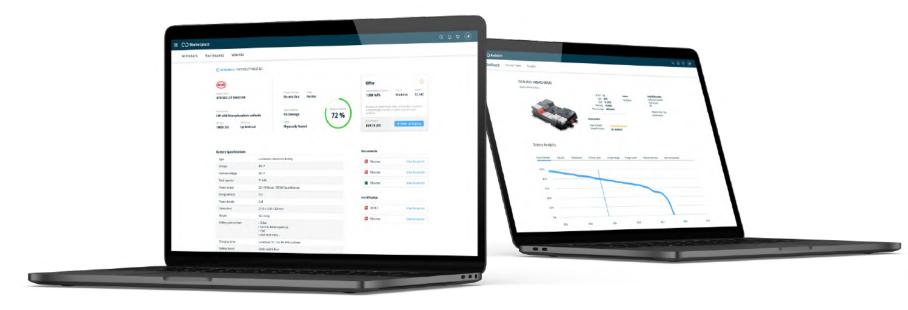


How Circunomics can help generating maximum profit from batteries

Circunomics is based on two main components. Circular Analytics (1st life analytics & 2nd life simulations) and a marketplace for trading batteries into a second life. Deciding whether a battery is suitable for second life can be complex, especially for large volumes, and buyers want to know how well these batteries will perform in their application. Circunomics helps battery owners (OEMs) and buyers take those decisions at scale.



Circunomics The Intelligent Battery Marketplace



Our core products

1 Battery analytics

- 1st life analytics (SoH prediction)
- 2nd life analytics and simulations (best possible usecases for 2nd life)

What makes our solution unique?

1 Algorithm

Our model integrates a physical model and a databased model to ensure high accuracy of simulation. Additionally we use data from 2nd life applications to predict the possible 2nd life use case

CONFIDENTIAL

2 Intelligent battery marketplace

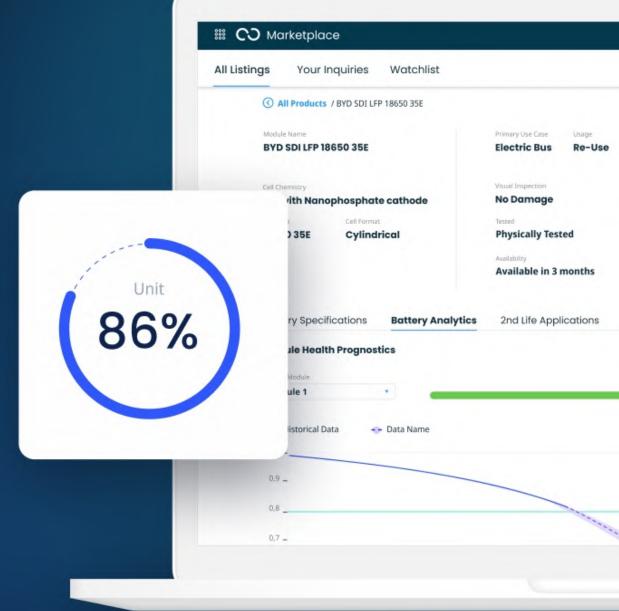
- Matching first life supply with 2nd life demand
- Standardized digital and legal process

2 Connected to a marketplace The first Al-powered battery marketplace. We use our analytics to streamline the end-of-life processes. **3** Works with existing OEM IT Fast integration in OEMs legacy systems; analytics can run 'on-premise' to ensure data protection.



Remote battery monitoring and health prognostics

- State of Health prediction at 97% accuracy – just from data, no physical testing needed
- Proprietary library of digital twins from of many available tier 1 cells on EU market
- Predicting residual value based on market demand and battery characteristics



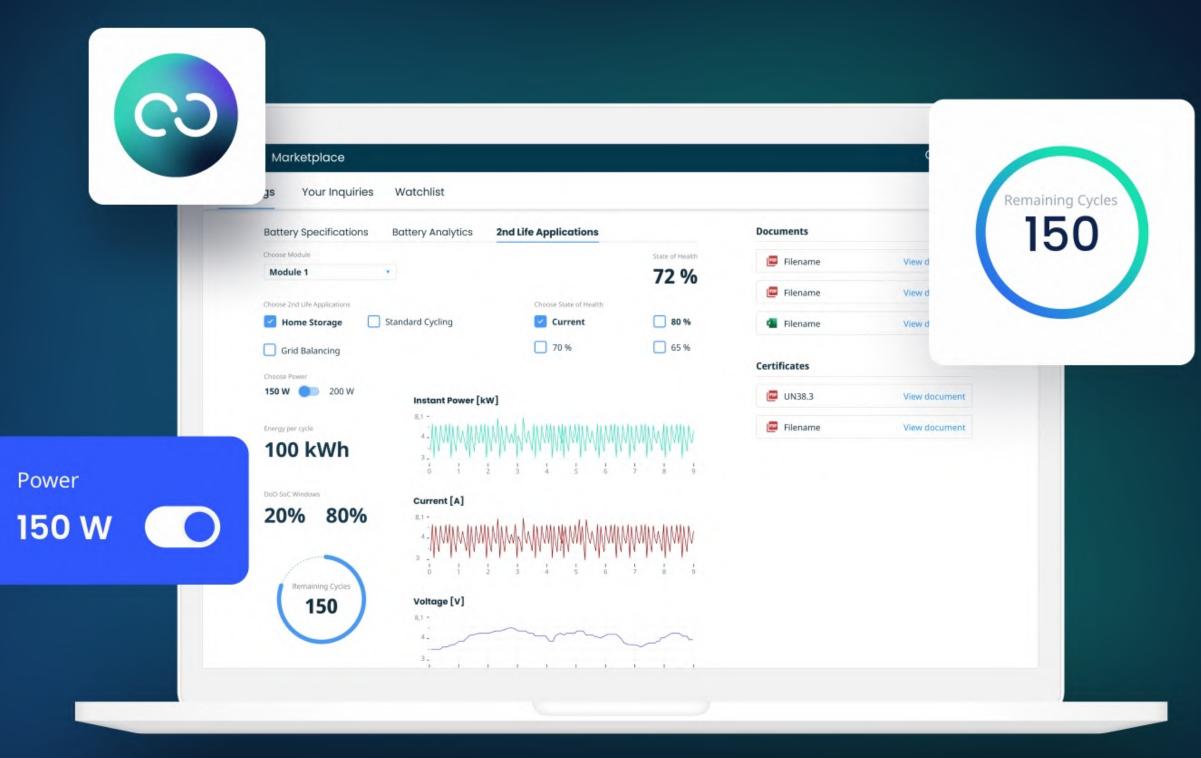
CONFIDENTIAL

		Q Q Y	CO
	Offer	☆	
-	Total Remaining Capacity	Sold as Amount	
te of Health	1.980 kWh	Modules 12.542	
2 %	Products are offered only by w Circunomics. Trading through terms and conditions.		
	Price Proposal EUR 39.200		
	Documents		
ate of Health	📴 Filename	Price Prop	osal
72 %	📴 Filename	EUR 39	200
	Filename	LOK 33	.200
	Certificates		
	🖾 UN38.3	View document	



The most-advanced second-life simulation on the market

- Simulating the remaining capacity of used batteries for the most-frequent second life energy storage applications
- Automated matching of best-fitting second life use case

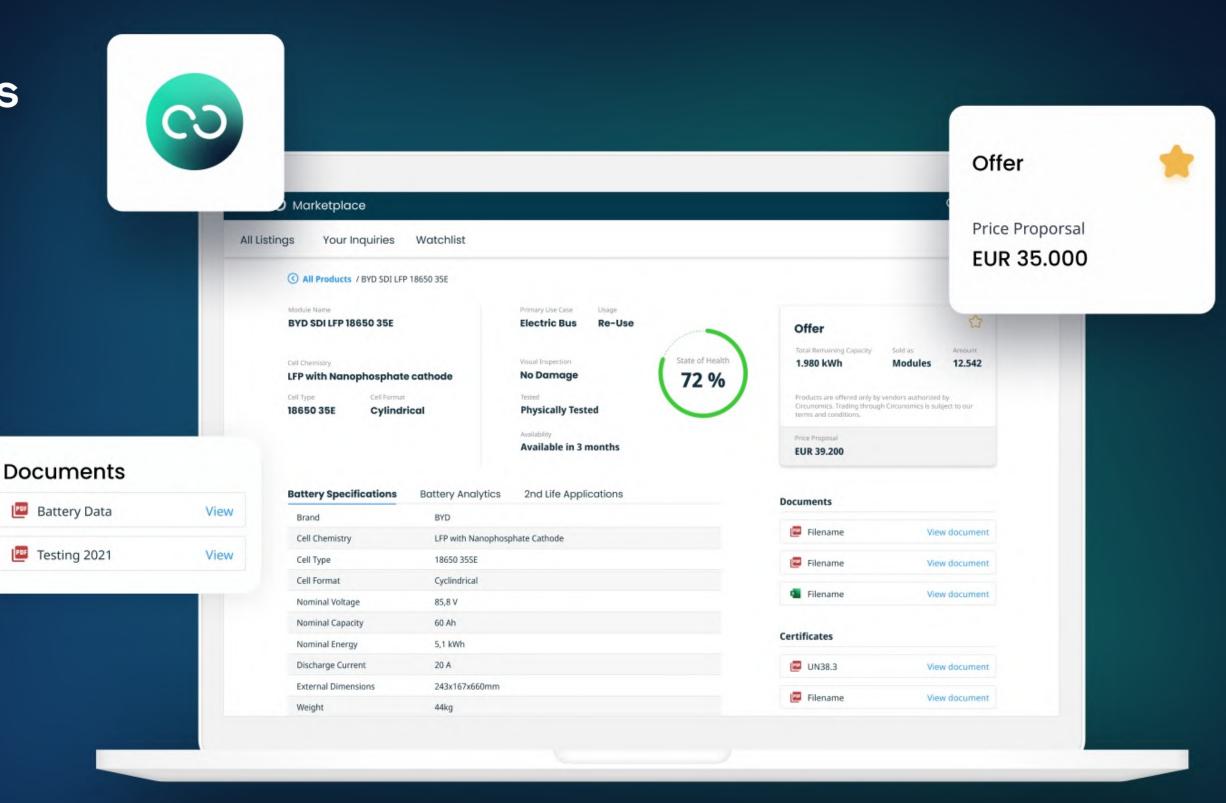


CONFIDENTIAL

CO circunomics

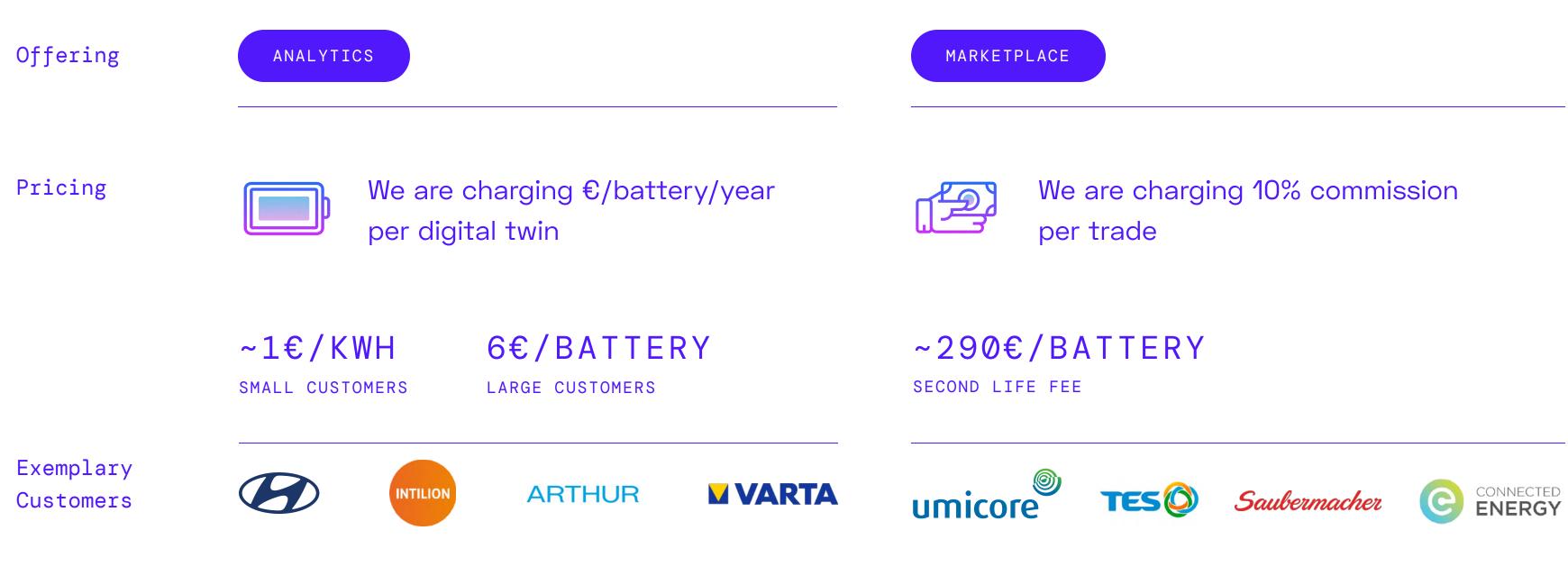
Trading used batteries with certainty about their quality

- All data and documents in one place
- Access to a quality second-life buyer network with +1.5 GWh demand
- Seamless integration of TES logistics system



CONFIDENTIAL







Memberships & Associations





CONFIDENTIAL

VDA Verband der Automobilindustrie





Awards & Grants

Circunomics received some of the most prestigious startup awards, e.g. Google Circular Economy Accelerator, KfW Award Gründen 21 - Landes und Bundessieger, 3rd place Spark Award from McKinsey & Handelsblatt. Circunomics-led consortium awaiting final decision for non-dilutive € 1.8 million R&D grant from BMWi in 2022.

Commercialization

Circunomics is Europe's most advanced battery marketplace. Currently 50 MW on the platform and additional 50 MW supply incoming. MoUs with ESS Manufacturers and mutiple Recyclers, starting pilots with several 0EMs. Together with Shell we signed a Co-Sales agreement to tackle the enormous Automotive 0EM as well as energy sector.

Fundraising

Circunomics raised € 2.2 million from industry experts like Dr. Peter Mertens (former CTO at AUDI and Volvo, investor in multiple NASDAQ-listed companies), Bram Schot (Former CEO Audi, Non-Executive Board Member Shell), Blue Minds Company and recycling company (TES). Circunomics was co-founded by Next Mobility Labs.

Achievements

Selected investors and partners



INVESTOR

Dr. Peter Mertens, former CTO AUDI & Volvo

"I have **invested** in Circunomics, because I am convinced they will solve a very tough industry problem that OEMs won't solve themselves. Their in-depth knowledge on battery circularity is unmatched."



INVESTOR

Bram Schot, Former CEO Audi, Multi-Board Member

"I think Circunomics' circular economy approach is the right way to go - we need more concepts like this. I'm happy to contribute to Circunomics' success with my investment, experience and network."



INVESTOR

Bernhard Raberger

Managing Partner of The Blue Minds Company Group, focused on renewable energy consulting and investments. Former Executive Vice Chairman and CFO of Enerjisa Group; Supervisory Board Member of DenizBank AG; Board Member of Oolu; Board Member of Pexapark; Advisory Board Member of has.to.be;

Leadership team



Felix Paul Wagner

CEO

Bachelor in business administration
+ professional degree in IT Systems.
I have 10+ years experience in digital business
for large corporates in the mobility sector e.g.
Hyundai, Lux Air, Mateco etc. and founded an
Australian solar tech startup in Melbourne.



Jan Born

Diploma in computer science. Strong focus on the business value of technology, transferring knowledge into practice. Over 15 years of professional experience, most recently as CTO & MD of mediaman. Numerous projects for Mercedes-Benz, Porsche, Hyundai. Partner at Next Mobility Labs.

CONFIDENTIAL

СТО



"We've attracted world-class talents from top universities." Manan Mathur, B.Tech. & MBA., Market Insights & Product Development

Un	iversité
	de Strasbourg



Team highlights

Voices from the Circunomics engine room



Dr. Hamid Badri, Sr. Data Scientist



Jenny Gaekel, MBA, HR Manager

- Our onboarding process is rated 5/5 from our new employees
- We get a net promoter score of 100% from our employees •
- Our assessment center is best in class according to industry experts •

CONFIDENTIAL



EBS Universität r Wirtschaft und Pecht



"We are a modern and diverse team from 10 nations."

"We've built a 5-star hiring process and working culture."

Thank you

Join Circunomics on the mission to establish the global leading battery marketplace.

www.circunomics.com Phone +49 (0)151 11507969 E-Mail felix.wagner@circunomics.com



CONFIDENTIAL