



# Nauru breathe battery technologies

What is breath battery technologies?

Breathe Battery Technologies was supported by the Grantham Institute - Climate Change and the Environment through the Climate-KIC programme. London-based startup Breathe Battery Technologies has raised £1.5m to scale up and accelerate the deployment of its intelligent battery management algorithms in electric vehicles and smartphones.

What is breath physics based battery management software?

(Privacy Policy) Breathe physics-based battery management software increases battery charge speed and cycle life for electric vehicle and consumer electronics brands.

Who is breath battery?

"Breathe is a battery performance company," says Dr Ian Campbell, CEO, Breathe Battery Technologies. "We find ways to enhance standard battery system performance very significantly for our customers, especially in the automotive and consumer electronics industries.

Why should you use breath physics-based battery management software?

With Breathe physics-based battery management software, you can deliver products with faster charging, greater cycle life and zero compromise on safety. As product leaders and battery experts, you constantly have to make impossible trade-offs between charge speed, cycle life, energy density, and profit margins. Until now.

How does breathe charge work?

The software for the automotive industry uses Breathe's technology to improve batteries in a different way, however. "Breathe Charge enhances charging speed, but it means more than that," says Campbell. "It means more consistent charging across all the different scenarios, such as temperature environments and battery age."

How can breath improve battery performance?

Breathe's software approach to battery optimization promises to enhance charging speed and lifespan without needing new cell chemistry or hardware changes.

By adapting the charging processes to the unique, evolving health of every battery, Breathe Battery Technologies is unlocking significant improvements to battery charge times, range and lifetime. Because of physical and chemical processes that take place in batteries, the performance of an electric vehicle decreases from the day it is manufactured.

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London-based startup Breathe Battery Technologies has raised £1.5m to scale up and accelerate the deployment of its intelligent battery management algorithms in electric vehicles and smartphones. Battery management systems are the brains behind batteries in devices and vehicles.

This is why we created Breathe and brought to the industry a step-change approach: physics-based battery management software. Our technology already brings dramatic improvement to our customers' products, like VARTA's EasyBlade which now reaches 50% state of charge in 43% less time with zero impact on the battery life or Oppo's Reno8 ...

They chose to use Breathe Charge to enhance the EV user experience by enabling significantly faster charging while maintaining battery health. Working with us and ...

Breathe Battery Technologies is the developer of the world's first health adaptive battery charging software. Our mission is to create technologies that enable people to breathe cleaner air. ...

They chose to use Breathe Charge to enhance the EV user experience by enabling significantly faster charging while maintaining battery health. Working with us and leveraging our deep expertise in this area allows them to gain a competitive edge with up to 30% quicker charging times without having to build those capabilities internally.

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Breathe's physics-based battery management software increases charge speed and cycle life, never compromising on safety. That's why some of the most iconic electric vehicle and consumer electronics brands trust us.

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Imperial startup Breathe Battery Technologies has raised £1.5m to scale up and accelerate deployment of its intelligent battery management algorithms in electric vehicles and consumer electronics. Breathe was founded in 2019 at Imperial.

Breathe Battery Technologies is the developer of the world's first health adaptive battery charging software. Our mission is to create technologies that enable people to breathe cleaner air. Through continuous research and development, we are pioneering new ways to utilise battery systems and enhance their health, charging, cycle life and range.

Breathe tackles complex problems in battery technology, approaching them comprehensively from concept to



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implementation. Their goal is to contribute to a faster, better, and more sustainable electrification of the world. Since its start, Breathe has overcome significant challenges in the battery technology sector.

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