



Comoros elysia battery intelligence

How can Elysia cloud improve battery life & safety?

"Elysia Cloud takes data streamed from the vehicles and brings in the fleet data insight for understanding of lifetime and safety across the battery's lifecycle." Automotive OEMs, fleet operators and battery asset financiers could benefit from software and cloud capabilities that maximise the lifetime potential of batteries.

What is Elysia's battery intelligence?

Elysia's battery intelligence involves algorithms on the battery for "state estimation". This provides "understanding what energy's available with that battery at any given time", according to Wallace, including the current health status. The true value for this may vary greatly from what the in-vehicle system reports.

How can Elysia improve battery life?

The aim is to prioritize safety but also make the most efficient use of batteries, including longevity. "With the intelligence that we have with Elysia, we know we can stretch batteries safely beyond the typical end of life. We can also make them charge faster, or slower to re-balance elements within the system."

Could Elysia power EVs with more sophisticated software control?

According to "battery intelligence" company Elysia, there is plenty of untapped potential in the cells that could be unleashed with more sophisticated software control. JLR will be applying Elysia battery intelligence to forthcoming EVs like the Range Rover Electric. Elysia might not be a name you're familiar with.

What is Elysia battery monitoring?

This includes both the algorithms operating locally on the battery and remote monitoring in the cloud, which is what Elysia supplies to customers. The aim is to prioritize safety but also make the most efficient use of batteries, including longevity.

What is Elysia embedded?

Elysia's core offering comprises Elysia Embedded, software that is embedded onto the battery. Its BMS algorithms have been designed to help OEMs increase vehicle range, enable faster charging, and maximising battery power.

Born out of a decade's experience developing batteries for the toughest of applications, we bring together this practical approach with the latest in electrochemical modelling from academia, ...

Elysia Cloud Platform helps battery system Original Equipment Manufacturers (OEMs), fleet owners and financiers turn data into actionable battery insights, designed to forecast and extend battery life, enhance safety, ...

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practical approach with the latest in electrochemical modelling from academia, fused with the best of artificial intelligence and probabilistic statistical methods

Detect faults and anomalies early through Elysia's proprietary physically-informed technology. Elysia understands, monitors, and generates actionable insights to reduce risk of safety incidents providing warranty assurance.

Elysia is Fortescue's Battery Intelligence software division. Drawing on over a decade of high-performance battery expertise, Elysia provides OEMs, battery owner-operators and asset financiers with unprecedented battery insights, transparency on battery state-of-health and battery management optimisation across the entire battery lifecycle.

Launched by WAE Technologies, Elysia is a battery intelligence business with solutions developed to realise improvements in the range, life, safety, power, and rapid charging times of any electric vehicle battery and ...

Elysia Battery Intelligence is about connecting battery data with the fields of electrochemistry, battery systems, and data science to enhance and protect asset value across the lifecycle.

Elysia Embedded is a suite of state-of-the-art battery management algorithms, which run locally on the Battery Management System (BMS) - for example directly on an EV's battery or on a stationary energy storage system. Its best-in-class BMS algorithms help OEMs to increase vehicle range, enable faster charging, and maximise battery power ...

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Elysia's Embedded algorithms enable fast charging of the 1.4MWh battery system within 30 minutes, whilst ensuring minimal downtime through always-on balancing. The Elysia Cloud ...

Elysia's cutting-edge battery intelligence software, shaped by over a decade of motorsport expertise, enhances battery longevity, performance and safety. Our unique software and cloud tools provide OEMs, operators and financiers the insights to manage, optimise and enhance battery performance throughout its entire life cycle.

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Unleashing New Battery Performance With Elysia Intelligent Software. Elysia's leading role in enabling this will be largely based on its experience electrifying mining trucks.

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