



# Elysia battery intelligence New Caledonia

Why do batteries need Elysia?

The world needs batteries to decarbonise, and batteries need Elysia to unlock their potential. Born from over a decade of real-world experience developing battery systems for high-performance applications, Elysia brings this technology to the masses, enabling any battery on the planet to last longer, perform better, and operate more safely.

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.

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.

Will JLR use Elysia battery intelligence on EVs?

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. However, it used to be Williams Advanced Engineering and changed its name after being purchased by giant mining company Fortescue.

Why is Elysia a leader in electrification?

Elysia's leading role in enabling this will be largely based on its experience electrifying mining trucks. "Mining is an incredible sandbox for us to innovate in electrification," says Wallace. "These systems are being cycled intensely, so we see accelerated degradation profiles."

Thursday April 20<sup>th</sup>, 2023: WAE Technologies (WAE), the world-leading technology and engineering services business, today launches Elysia, its Battery Intelligence software offering designed to unlock significant improvements in the life, safety, usable energy, power, and rapid charging times of any battery system.. Elysia brings game-changing battery ...

UK-based technology and engineering services company WAE Technologies today launched its Elysia battery intelligence software offering to unlock significant improvements in the range, life, safety, power, and rapid ...

Elysia offers a step change in performance for high-utilisation battery systems. Unlike traditional approaches to balancing, Elysia balances cells during operation and by SoE (state-of-energy), removing the need for battery downtime and resulting in best-in-class cell-to-cell imbalance.



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Elysia is a world-leading battery intelligence software offering from Fortescue, designed for the mass automotive, e-mobility and stationary energy storage markets. Drawing on more than a decade ...

Experience: Elysia - Battery Intelligence from Fortescue &#183; Education: Cranfield University &#183; Location: Cranfield &#183; 245 connections on LinkedIn. View PO WEI HSU's profile on LinkedIn, a professional community of 1 billion members. ... Add new skills with these courses 2h. Building Computer Vision Applications with Python 1h 43m. Computer ...

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Technology and engineering services company WAE Technologies (WAE) launched Elysia, its mass-market Battery Intelligence software offering designed to unlock significant improvements in the life, ...

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'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 ...

Introduction WAE & Elysia Advantage WAE are uniquely positioned in a Battery Intelligence market, harnessing the best of different domain expertise. o Our know-how in Battery Intelligence stems from over a decade of practical battery systems experience as designers, manufacturers and integrators.

battery intelligence. Play the film. Get in touch. ... Increase battery life by up to 30%. Elysia unlocks fleet value through superior financing, greater warranty assurance, and second-life potential. Enhance Safety. Detect faults and anomalies early through Elysia's proprietary physically-informed technology.

It brings a new generation of battery intelligence to wide range of industries, from the automotive and e-mobility sectors, to stationary energy storage and beyond. Elysia's unique capabilities offer unprecedented insight and foresight, unleashing untapped performance, life and safety to every electric vehicle, and every battery on the planet ...

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. ...

JLR has signed a multi-year deal to use Fortescue's Elysia battery intelligence software in its next-generation EVs (electric vehicles) starting with the new Land Rover Range Rover Electric launching later this year. The software will monitor and help enhance the EVs with improved battery longevity, safety, and performance for



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a better ownership experience via ...

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Elysia brings game-changing battery insight, management, and optimisation of batteries to the mass market for the first time, from the automotive, commercial vehicle and e-mobility sectors to stationary energy storage and ...

Following the success of delivering batteries into Formula E, Fortescue WAE went on to win the battery contract for an all-new fully electric off road series, Extreme E. Designed to highlight the impact of climate change around the globe, Extreme E races across everything from Arctic tundra (-10°C) to desert sand dunes (40°C).

Elysia - Battery Intelligence from Fortescue is going on tour! Join us to explore our innovative cloud and embedded solutions in battery technology. #Event Line-up: S& S ...

The future of battery management: combining Elysia Cloud with Elysia's powerful Embedded BMS algorithms, to enable bespoke, health-adaptive BMS parameters to be pushed to individual assets, unlocking performance whilst mitigating ...

At Elysia Battery Intelligence, we're excited to be attending the following events this June: Battery Show Europe, Stuttgart (18th - 20th June): Find us at the UK Pavilion. EES ...

Elysia's battery intelligence technologies comes from WAE's experience in high-performance batteries from supplying the electric motorsport series, and the development of batteries for electric hyper-cars and mining trucks. ... GRIDSERVE introduced new charging technology, improved payment systems, and expanded the network to meet the ...

UK-based technology and engineering services company WAE Technologies today launched its Elysia battery intelligence software offering to unlock significant improvements in the range, life, safety, power, and rapid charging times of EV (electric vehicle) batteries. The company says it brings game-changing battery insight, management, and optimization to the ...

"Elysia, Battery Intelligence from WAE, opens up a new era of electrification, born on the racetrack, but designed for the real world. It brings a new generation of battery intelligence to wide range of industries, from the ...

Gaydon, UK - 20 May 2024: JLR has signed a multi-year deal to use Fortescue's advanced battery intelligence



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software, Elysia, in its next-generation electric vehicles. The software will help enhance JLR's luxury vehicles with ...

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