

Solar Energy South Africa

Chad elysia battery intelligence

114KWh ESS



PICC
QUALITY ASSURANCE

RoHS



MSDS

UN38.3

UK
CA



Overview

What is Elysia battery intelligence?

It brings a new generation of battery intelligence to a 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.

Will Elysia's embedded battery management software improve battery life?

All sounds pretty good then, especially since battery life is one of the bigger consumer concerns for those considering the switch to electric. We're also told that cars using Elysia's embedded battery management software could see a 30 per cent increase in battery life and 10 per cent increase in battery range.

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.

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."

What is Elysia battery balancing?

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.

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.

Chad elysia battery intelligence



- TELECOM CABINET
- BRAND NEW ORIGINAL
- HIGH-EFFICIENCY

Software Delivery Manager

Software Delivery Manager - Elysia Battery Intelligence. Kidlington; Full-time; Perm; 40 hours per week; THE POWER OF NOW. Fortescue Zero's mission is to be the world leader in zero emission power systems. We are developing and manufacturing the technologies needed to decarbonise our planet. We are expanding across the geographies of UK, US

Elysia Embedded

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.



Case Studies

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 Platform supports remote monitoring of battery health and life forecasting, whilst safety is ensured through advanced prognostic algorithms which analyse every

News

Gaydon, UK - 20 May 2024: JLR has signed a

multi-year deal to use Fortescue's advanced battery intelligence software, Elysia, in its next-generation electric vehicles. The software will help enhance JLR's luxury vehicles with improved battery longevity, safety, and performance. Starting with the new Range Rover Electric, launching later



WAE Technologies Launches Elysia: Pioneering Battery Intelligence ...

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

Elysia aims to unlock MaaS with battery intelligence

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. Joe Jones, Commercial Lead at Elysia, said: "With increased utilisation of an electric shared vehicle, it becomes



Elysia

World-leading battery intelligence software from Fortescue, designed for automotive and energy stationary storage companies. Elysia Battery



Intelligence. Elysia Cloud; Increase battery life by up to 30%. Elysia unlocks fleet value through superior financing, greater warranty assurance,

WAE Technologies develops Elysia battery intelligence software

WAE Technologies has developed a new battery intelligence software platform for the management and optimization of batteries. Elysia is based on AI, data science and electrochemical modeling. Its embedded and cloud-based products are designed to provide customers--including global automotive OEMs, fleet operators, and battery asset ...



WAE TECHNOLOGIES LAUNCHES ELYSIA: PIONEERING ...

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

WAE TECHNOLOGIES LAUNCHES ELYSIA: PIONEERING BATTERY INTELLIGENCE ...

Tuesday, 13 th June 2023: WAE Technologies (WAE), the world-leading technology and engineering services business, has recently launched Elysia, its Battery Intelligence software designed to unlock significant improvements in the life, safety, usable energy, power, and recharge times of any battery system. The announcement comes as the Elysia software is ...



Elysia Battery Intelligence & WAE Technologies

Elysia is the world-leading battery intelligence offering from WAE Technologies (formerly Williams Advanced Engineering). Drawing on over a decade of high-performance battery expertise from WAE, who have designed and manufactured the world's most advanced batteries - from global electric motorsport programmes to electric mining trucks - Elysia provides OEMs, battery ...

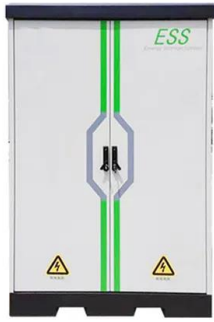
Unlocking ESsential Value Today: Battery Intelligence for

...

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 modelling - Why 'physics-based' is not always best



Gaydon, UK - 20 May 2024: JLR has signed a multi-year deal to use Fortescue's advanced battery intelligence software, Elysia, in its next-generation electric vehicles. The software will help enhance JLR's luxury vehicles with improved battery longevity, safety, and performance. Starting with the new Range Rover Electric, launching later

Careers

We are a team of world-leading battery experts, data scientists and engineers from all walks of life, with experience delivering in the lab and on the racetrack. We answer real-world challenges. We take a customer-orientated approach in creating products that answer the real-world challenges of today, with the foresight to deliver industry



[Elysia Battery Intelligence](#)

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.

PO WEI HSU

Experience: Elysia - Battery Intelligence from Fortescue · Education: Cranfield University · Location: Cranfield · 245 connections on LinkedIn. View PO WEI HSU's profile on LinkedIn, a professional community of 1 billion members.



2MW / 5MWh
Customizable

TAX FREE

ENERGY STORAGE SYSTEM

Product Model
 HJ-ESS-215A(100KW/215KWh)
 HJ-ESS-115A(50KW 115KWh)

Dimensions
 1600*1280*2200mm
 1600*1200*2000mm

Rated Battery Capacity
 215KWh/115KWh

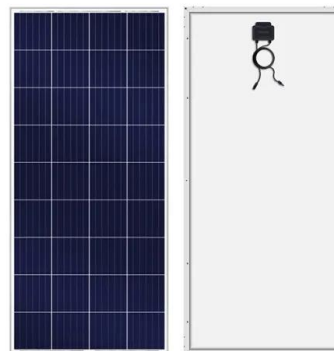
Battery Cooling Method
 Air Cooled/Liquid Cooled

WAE Technologies Introduces Elysia, the Revolutionary Battery

What's Happening: WAE Technologies has launched Elysia, a cutting-edge battery intelligence software designed to significantly enhance the life, safety, usable energy, power, and rapid charging capabilities of any battery system. Elysia will offer unprecedented battery insight, management, and optimization to various industries, including automotive, ...

Blanka Gaál

Recent graduate from the University of Exeter with a Master's Degree in Natural Sciences · Experience: Elysia - Battery Intelligence from WAE · Education: University of Exeter · Location: United Kingdom · 196 connections on LinkedIn. View Blanka Gaál's profile on LinkedIn, a professional community of 1 billion members.



WAE Technologies Launches Elysia: Pioneering Battery ...

Elysia brings game-changing battery insight, management, and optimization of batteries to the mass market for the first time, from the automotive, commercial vehicle and e-mobility

sectors to stationary energy storage and ...



Elysia Cloud

Streamline product development and reduce total cost of ownership. Elysia's Simulation Toolkit simulates the impact of usage on battery life and performance. Allowing fleet managers and battery system developers to rapidly simulate the impact of usage on battery life and performance, powered by world-class battery models.



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