

Lithium batteries have definitely changed the game for the energy transition, but require smart technologies and strategies to optimise them -- which can be equally important -- writes Sebastian Becker of TWAICE, a ...

TWAICE's new model for sodium-ion batteries is based on measurements in the TWAICE battery research center and modeled using the company's proprietary and standardized approach. With this new model type, engineers can gain insights into this new technology and research various aspects such as comparing the behavior of lithium-ion and sodium ...

TWAICE bietet die Technologie, um die tatsächliche Restqualität einer Batterie auf der Grundlage ihrer Behandlung zu bewerten. "Wir erstellen einen digitalen Zwilling einer Batterie und simulieren die Auswirkungen der Betriebsbedingungen, des Fahrstils und des Ladeverhaltens", sagt Jonas Keil, Senior Battery Engineer bei TWAICE.

Explore the fundamentals, growing demand, and advantages of sodium-ion battery technology, including TWAICE's battery model, its potential applications in ESS and EVs, and its environmental and economic benefits. Read more. Webinar. A new generation of aging models for lithium-ion batteries.

The TWAICE battery research center empowers both our Cloud Analytics Platform and the TWAICE Battery Simulation Models. Optimal battery design & reduced testing. Our in-house labs enable us to parametrize our cell simulation models to your individual needs. Thanks to proprietary rapid-parameterization techniques, only a small number of cells is ...

Dr. Jonas Behm is VP Mobility Americas at TWAICE, the leading battery analytics software. He is focused on unlocking the battery-powered future for everyone by working deeply with customers and partners in the mobility sector. Next to that, he is a Fellow of the Global Future Council on Advanced Manufacturing and Value Chains of the World ...

Wir bei TWAICE sind davon überzeugt, dass die Umstellung auf eine batteriebetriebene Welt erst dann ihre volle Wirkung entfalten wird, wenn wichtige Entscheidungen durch solide Daten gestützt werden. ... Eröffnung des TWAICE Battery Research Center und der Büros in Paris, Frankreich & Chicago, USA. 2022. Gründung der Battery Quick Check ...

Das TWAICE Battery Research Center ermöglicht es uns, schnell Testdaten zu generieren, unsere Software zu kalibrieren und auf elektrische, thermische und Alterungsverhalten zu validieren. Mit den Tests generieren wir ein tiefes Verständnis für die ...

Batteries comprise up to 50% of the total vehicle costs -translating into to over 1 million EUR asset value for

every 100 vehicles. Generate the maximum value out of your batteries by leveraging TWAICE battery analytics, which enables you to ...

Battery Incidents Under Scrutiny. Lakshmi Srinivasan, Principal Team Lead Energy Storage at EPRI, gave a presentation at the TWAICE Vision Summit 2024 titled "Battery incidents under scrutiny: a closer look at the causes of energy storage system failures and fires". Lakshmi underlined that the majority of BESS failures occur in the first year of operation.

Exploring the Future of Battery Technology at The Battery Show North America 2024 ? The Battery Show North America is the industry's largest gathering in this region and covers the entire battery value chain.. The event draws top professionals, engineers, and innovators to explore cutting-edge solutions in battery systems, energy storage, and e-mobility.

TWAICE helps you to improve lithium-ion batteries and generates more value for you and your clients. We help battery manufacturers and integrators to improve their system configuration and validate their battery systems faster.

TWAICE is applicable to any Li-Ion cell and battery type. The TWAICE digital twin based on predictive battery analytics software improves development and deployment of all these batteries. A initial laboratory parametrization and our large battery model library provide the basis to cover the whole range of Li-Ion batteries.

Für die Battery Quick Check nutzen die Experten von TWAICE und TÜV Rheinland das On-Board-Diagnose-System (OBD) des Fahrzeugs mit der OBD2-Schnittstelle. Der Name "Quick Check" ist dabei Programm: In rund 60 Minuten kann das qualifizierte Werkstattpersonal alle relevanten Daten über die Schnittstelle auslesen.

TWAICE is the leading provider of battery analytics software, helping companies to de-risk their batteries and outperform their peers with a scalable platform. The TWAICE Battery Simulation Model provides solutions throughout all battery ...

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