

European Solar and Energy Storage Solutions

Twice battery analytics platform French Southern Territories



Overview

What is twice battery analytics platform?

The TWAICE Battery Analytics Platform is a convergence of deep battery knowledge, artificial intelligence (AI), scalable cloud software, and real-life battery data. It creates a single source of truth for how batteries should be effectively developed and operated—simple, low-cost, and high-value.

What does twice do with used EV batteries?

TWAICE is also working with TÜV Rheinland (Technical Inspection Association, a network of companies in Germany and Austria that test, inspect and certify technical systems, roughly similar to UL or Intertek) to build a test and certification system for used EV batteries.

What is a battery analytics software platform?

Michael Baumann: The product in the end is a battery analytics software platform, which we are building out—it addresses the whole life cycle of batteries, and can be used by different industries. This platform has different solutions, and these solutions can be very specific.

What's new with twice & nardac?

TWAICE and NARDAC announce partnership to improve insurance terms with battery storage analytics Get ready for: The latest product features designed to optimize BESS management & operations, a live Q&A, and exclusive insights into what's coming up. DECEMBER 10 // 10:00 AM (ET) | 4:00 PM (CET) // ONLINE & FREE

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Electric Vehicle Safety Monitoring & Analytics

Battery management systems should always step in when safety-critical incidents occur. However, battery management systems can malfunction which can cause risks to the battery such as over-charging. At-risk batteries do not just cause ...

Battery Manufacturing

Get reliable data on battery health through remote monitoring and battery analytics to manage your batteries efficiently and increase their lifetime. Anomalies and trends can be detected early to avoid costly breakdowns and increase customer satisfaction.



Batterie Analytik Plattform , TWAICE

Die TWAICE Batterie Analytik Plattform ist eine Konvergenz von fundiertem Batteriewissen, künstlicher Intelligenz (KI), skalierbarer Cloud-Software und realen Batteriedaten. Sie schafft eine einzige Quelle der Wahrheit dafür, wie Batterien effektiv entwickelt und betrieben werden sollten - einfach, kostengünstig und hochwertig.

TWAICE

A BMS is an electronic system that monitors and manages the performance of a battery pack protects the battery from operating outside its safe voltage, temperature, and current limits, ensuring optimal performance and longevity. A BMS also provides critical information on the battery's state of charge, state of health, and other performance parameters.



Battery analytics: The game changer for energy storage

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 predictive analytics software provider.

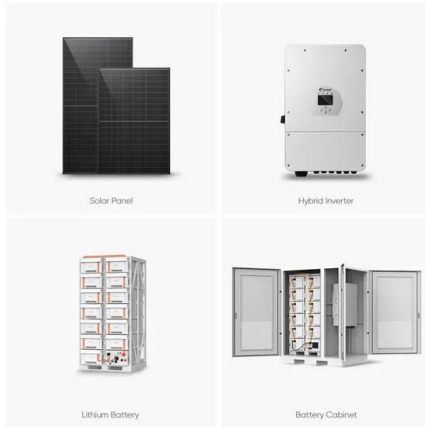
TWAICE Battery Analytics Software

TWAICE is the leading provider of battery analytics software, helping companies to de-risk their batteries and outperform competitors. TWAICE Energy Solutions reduce the risks of operating battery energy storage systems by constantly monitoring the health, safety, and warranty status while enabling a longer lifetime, better



Battery Encyclopedia

In the energy sector, arbitrage involves buying energy when prices are low and selling it when prices are high. For battery storage systems, this can mean storing energy during off-peak hours when electricity is cheaper and then selling it back to the grid during peak hours at a higher



price. This practice can help balance supply and demand, stabilize grid prices, and provide a ...

Battery Simulation Models , TWAICE Battery Analytics

TWAICE battery models use a coupled electric-thermal-aging model to ensure that the battery cell's behavior is considered in the most holistic way possible. It can be considered a combination of an ECM (equivalent-circuit-model) and a ...



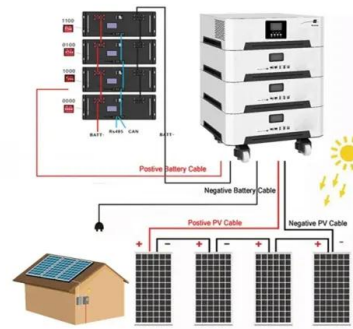
TWAICE , Battery Analytics Platform, AI Startup at appengine.ai

TWICE provides predictive analytics software that optimizes the development and operation of lithium-ion batteries. TWAICE's core technology is the digital twin - software that combines deep battery knowledge and artificial intelligence to determine the condition and predict battery aging and performance.

Automotive OEM , TWAICE Battery Analytics

TWAICE enables the automotive industry to up its battery game. Generate more value with batteries by reducing costs of battery system design with simulation models before the start of production, and by enhancing after-sales

services ...



Automotive OEM , TWAICE Battery Analytics

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 reduce the costs of battery system design and extend battery lifetime.

Energy Storage Digital Commissioning , TWAICE Battery Analytics

De-risk deployment of your energy storage systems with TWAICE Digital Commissioning. Get a standardized overview of the BESS status at beginning of life that can be used as a basis for asset management long term. Identify and fix anomalies that regular on-site commissioning cannot identify to lay the basis for safe and reliable operation.



Energy Storage Health Monitoring & Analytics

TWAICE Analytics platform can consume all BESS data and analytics can be expanded on HVAC



and Inverters. This is especially relevant for availability as well as safety investigations. Battery analytics in general and the TWAICE platform specifically do not interfere or act redundantly to the rest of the elements in the tech stack. TWAICE

Battery software startup TWAICE gets US\$26m funding, aiming ...

TWAICE, a German battery analytics software company founded in 2018 which already counts Audi and Daimler as well as European energy utility companies amongst its customers, has raised US\$26 million in a Series B funding round. The company's valuation has increased from US\$10 million to US\$45 million and TWAICE said the fresh investment will help it expand its core capabilities including



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The latest funding takes the amount raised so far by the company to US\$45 million and TWAICE said the fresh investment will help it expand its core capabilities including its analytics platform and fuel the ...

TWAICE battery analytics platform promises enormously

...

TWAICE battery analytics platform promises enormously valuable insights at every point in a

battery's lifecycle. Posted September 22, 2022 by Charles Morris & filed under Features, Tech Features. How healthy is your battery pack?



Predictive battery analytics in the energy sector , TWAICE

With battery analytics, these difficulties can all be addressed, making battery storage a very attractive technology. Low profitability and long amortization times- multi-use applications are the key. Pressure on margins and long amortization periods of battery storages are two of the basic challenges facing operators.

Energy Storage Analytics

The TWAICE cloud analytics platform provides insights and solutions based on field data. The differentiation factor is the end-to-end approach with analytics at its heart. As a neutral authority and provider of predictive battery analytics, TWAICE creates trust and builds the basis for partnerships, e. g., with Munich RE on insurance



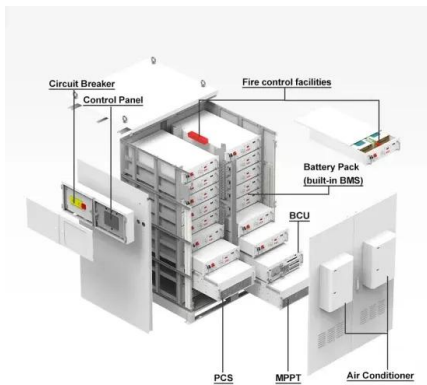
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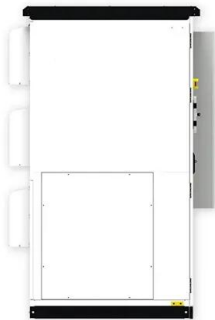
Battery software startup TWAICE gets US\$26m funding, aiming ...

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18650^{3.7V}
Li-ion
RECHARGEABLE BATTERY
2000mAh



TWAICE Battery Analytics Software

Make impactful, data-driven decisions using reliable insights from the leading AI-supported battery analytics platform. Speed up development by simulating battery behavior quickly; Eliminate risks with in-depth health, safety & warranty data; Improve profitability, operations & lifetime

Battery Analytics Software

Battery Analytics Platform. Battery Research Center. Battery Quick Check. Industries. E-Mobility. Automotive OEM. to which Salesforce has committed itself and which have been approved by the French data protection authority and also in the form of concluded Standard Contractual Clauses (SCC) of the European Commission, pursuant to Art. 46



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