Innolith energy battery Liechtenstein

What is innolith I-state battery technology?
Basel, Switzerland, 13 th June 2023 - Innolith, a European developer of Li-ion battery cell technologies, today announces the commercialisation of its I-State battery technology platform for use in electric vehicles (EVs) and e-mobility applications.

What is innolith e-mobility battery technology?
Innolith runs one of the world's leading battery cell research programs at its R&D Center in Bruchsal, Germany, where it is pioneering a next generation e-mobility battery technology based on a proprietary electrolyte that delivers cells with lower cost, high energy density along with higher safety and temperature performance.

Is innolith a sustainable battery?
The I-State battery uses 20% fewer rare-earth metals per kilowatt-hour than traditional lithium-ion batteries. The battery is also made with 100% locally produced electrolyte,and the electrolyte is recyclable,collectively making the battery more sustainable. Innolith is headquartered in Basel,Switzerland. It was started over 20 years ago by

What is innolith battery cell technology?
The Innolith battery cell technology is based on the proprietary liquid inorganic electrolytethat can operate at up to 5 volts without degradation,unlike the Li-ion batteries in use today that are limited to 4.2 volts. This gives the batteries higher gravimetric energy density of 300 Wh/kg and volumetric energy density of 825 Wh/L.

Does innolith have a high power cell?
In addition to a high energy cell,Innolith has recently developed a high power cellon the same I-State platform. Development of the high-power cell that still retains exceptional energy density was possible due to the high conductivity of the I-State electrolyte (up to four times that of conventional Li-ion electrolyte).

Is innolith a good electrolyte?
Innolith's I-State platform is well suited for applications that require both high energy and high power. This is achievable due to the electrolyte's exceptionally high conductivity,up to four times that of conventional Li-ion electrolytes.

An der Entwicklung eines anorganischen Elektrolyten arbeitet Innolith bereits einige Jahre. Bereits 2019 skizzierten die Schweizer ihre Ambitionen auf diesem Feld. Laut einer aktuellen Mitteilung des Unternehmens ermöglicht der anorganische Elektrolyt höhere Spannungen (bis zu 5 Volt) als herkömmliche Li-Ionen-Batteriezellen (maximal 4,2 Volt), eine ...

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Innolith aims to start mass production in 2020, preceded by production line tests in 2019. Manufacturing will be carried out by partners, while the company will focus on research and development (R& D). Greentech ...

The Batemo Cell Model of the lithium-ion battery cell Innolith High Power 21700 (A) is a high-precision, physical cell model with global validity. As a digital twin it seamlessly integrates into your research, development and battery analytics by basing your decisions on simulations. ... Energy Characteristics: The graph visualizes ...

Innolith ist ein europäisches Cleantech-Unternehmen, das Lithium-Ionen-Batteriezellentechnologien entwickelt und seine I-State-Batterietechnologieplattform für Elektrofahrzeuge und E-Mobilitätsanwendungen vermarktet. Ziel des forschungsgetriebenen Unternehmens ist es, die Kosten der Elektrofahrzeuge zu reduzieren und die Reichweite zu ...

April 18, 2019: Innolith, the German start-up that rose from the ashes of Alevo, reported on April 4 that it has developed the world"s first 1,000 Wh/kg rechargeable lithium battery -- giving an electric vehicle the potential of reaching 1,000km per charge.. Under development in the company"s German laboratory, the Innolith battery uses a non-flammable inorganic electrolyte ...

Swiss energy technology company Innolith says they have developed the world"s first lithium-based rechargeable battery with an energy density of 1000 Wh/kg, which would give electric cars a range of more than 1000 km on a single charge. The battery apparently uses less expensive materials and is non-flammable.

Innolith deployed its first utility-scale battery on the Pennsylvania New Jersey Maryland interconnection grid in the U.S. almost two years ago and is now developing an electric vehicle battery. An Innolith EV battery would have energy density of "1,000 watt-hours per kilogram" -treble the energy density of a Tesla

Smart Energy International recently covered the announcement of the commercialisation of our I-State technology. The article explains how we have signed MoUs with five companies so far, across EV, off-road, aviation, and mining applications, which includes one of the leading EV manufacturers. Read the article here.

Our Chief Scientist, Dr Laurent Zinck and Head of Electrolyte Industrialization, Michael Hassler were recently interviewed by the prestigious German publication CHEManager to discuss our I-State Technology, a new class of inorganic electrolyte. Laurent and Michael detailed how our battery is achieving remarkable energy densities and outperforming conventional ...

Das Batemo Cell Model der Lithium-Ion Batteriezelle Innolith High Energy 21700 (A) ist ein hochpräzises, physikalisches Zellmodell mit globaler Validität. ... dass Batemo die von Ihnen angegebenen Informationen an Far East Battery Jiangsu Co., Ltd, No.8, Keji Avenue, Gaocheng Town, Yixing City, 214200 Wuxi/Jiangsu, China ...

Basel energy company Innolith has developed a battery innovation at its German laboratory in Bruchsal.

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According to a press release, this rechargeable battery is capable of powering an electric vehicle for over 1,000km on a single charge.The battery avoids exotic and expensive materials and therefore radically reduces overall cost. In addition to its range and ...

Die im deutschen Labor des Unternehmens in Bruchsal entwickelte Innolith Energy Battery soll dementsprechend Reichweiten für Elektroautos von über 1.000 Kilometer mit einer einzigen ...

Die Innolith Energy Battery existiert allerdings nicht nur auf dem Papier, sondern durfte bereits in einem ersten Praxis-Projekt ihre Fähigkeiten unter Beweis stellen. In einem sogenannten GridBank-System, das bereits im Stromnetz des US-amerikanischen Energieversorgers PJM zur schnellen Frequenzregelung eingesetzt wird, hat man auf die ...

Innolith"s battery uses an inorganic electrolyte that it claims makes it long-lasting and safe (Credit: Innolith AG) Innolith AG"s 1000km electric vehicle battery. Following the projected three to five years of development, Innolith plans to launch its battery via a pilot in Germany prior to licensing with major automotive firms around the ...

Our Chief Scientist, Dr Laurent Zinck and Head of Electrolyte Industrialization, Michael Hassler were recently interviewed by the prestigious German publication CHEManager to discuss our I-State Technology, a new ...

Green Car Congress, a website focusing on sustainable mobility, recently covered the commercialisation of our I-State Technology. The article explains how I-State offers high energy density, improved safety, and performance. It operates at higher voltages, allowing for better cathode utilisation and a 20% reduction in cathode metals. Discussing how we have ...

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