

Under the agreement, BAE Systems will create, test, and deliver energy storage packs with a capacity of 200 kilowatt-hours for electric aircraft operating in the megawatt power range.

An energy storage management system and a flight planning system and related methods and program products for an electric aircraft are provided.

In today's aircraft, electrical energy storage systems, which are used only in certain situations, have become the main source of energy in aircraft where the propulsion system is also converted into ...

As the power source and energy storage unit for eVTOL aircraft, energy storage systems are responsible for storing and releasing electrical energy, providing the necessary power for the ...

We are leveraging our research and development in battery life cycles, smart battery management systems, and packaging to optimize solutions for the aerospace market.

Data obtained shows that hybrid-electric propulsion systems can achieve 28% block fuel reduction and 27% total energy cost savings over a 120 nautical mile (nmi) mission compared to ...

We highlight how demonstrator aircraft, hybrid architectures, and solid-state batteries pave the way toward cleaner skies. Our analysis integrates insights from lifecycle assessment, ...

The member airlines of the International Air Transport Association (IATA) agreed on net zero carbon by 2050, forcing a significant shift to emission free flight which challenges the current State-of-the-Art ...

Distributed electric propulsion is a leading architecture for measurable CO₂ reduction on large commercial aircraft - regional, single aisle, and twin aisle. Success Criteria: Sub-system and ...

Low temperature electrode infiltration expands the range of catalysts for development of new electrodes for sulfur tolerance, direct hydrocarbon.

Web: <https://www.thehibiscuscoast.co.za>