



Solutions for hybrid and
all-electric powered aircraft

Aircraft Electrification

We bring decades of demonstrated cross domain experience and know-how in energy management, integrated controls, and power conversion to enable the next generation of aircraft. Our team provides flight and safety critical solutions for a variety of markets and platforms.

baesystems.com

BAE SYSTEMS

Transforming the future of flight

Our advances in flight controls and aircraft electrification will further transform the aerospace market.

The aviation industry is moving towards solutions that are more efficient, reduce noise pollution, and operating costs, and focus on environmental sustainability. With more than 40 years of experience developing highly reliable and safety certified flight controls, we are modernizing our existing hardware and software to create the building blocks for aircraft electrification. We are inserting the latest electronics technologies with a sharp focus on cost reduction, increased availability, and production optimization.

New applications for BAE Systems' existing hybrid and all-electric power conversion technologies.

We have developed four generations of green propulsion solutions for the transportation markets, and are now focused on delivering sustainable solutions that address the unique requirements of aerospace and the need for highly efficient manufacturing. Applying our core competencies in packaging, cooling, high integrity controls, and high density power electronics uniquely positions us to deliver solutions that meet the extreme needs of multiple aerospace markets and minimize the adoption and operational risk for our customers.

We continue to develop our technology in energy management.

BAE Systems was the first to design a lithium-ion based solution for the heavy duty ground transportation market and today we support 13,000+ buses, trucks, and marine vessels around the globe. We manufacture and deliver 2000+ energy storage and energy management systems annually. Our systems have a proven track record of reliability and performance that give our customers confidence. We are leveraging our research and development in battery life cycles, smart battery management systems, and packaging to optimize manufacturing for the aerospace market.

Customers choose us as a partner.

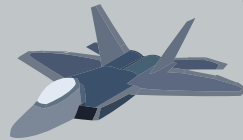
BAE Systems is committed to delivering discriminating technologies and advancing our manufacturing capabilities, allowing us to address the challenges of the global aerospace market, optimize production systems, and drive adoption of environmentally friendly solutions. Aircraft electrification is going to change the aviation market and we continue to be at the forefront of power, energy and controls solutions.

Our experience

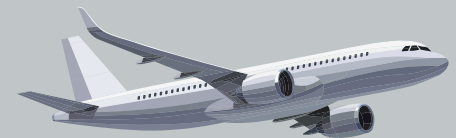
13,000+ hybrid electric and all-electric systems operating worldwide



Advances in flight control technology takes the workload off the pilots and increases autonomy



More than 40 years experience designing and certifying fly-by-wire



Established safety critical active controls and fly-by-wire technologies in commercial and military aerospace markets

baesystems-ps.com

Disclaimer and copyright

This document gives only a general description of the product(s) and service(s) and, except where expressly provided otherwise, shall not form any part of any contract. From time to time, changes may be made in the products or the conditions of supply.

CS-20-A15-001

Copyright © 2020 BAE Systems. All rights reserved. BAE SYSTEMS is a registered trademark.