
Innovation where it counts.
Aircraft
Electrification Lab
baesystems.com/electrification
BAE SYSTEMS

Aircraft Electrification Lab

State-of-the-art facility focused on developing capabilities to meet the challenges of an emerging travel ecosystem.

As a technology innovator, BAE Systems is committed to creating solutions that help combat climate change for a more sustainable future. With more than 25 years of experience deploying electric drive systems on heavy-duty transit vehicles, we have expanded our footprint in Endicott, N.Y. to bring our expertise to the air. To take on this challenge, we have created a dedicated workspace focused on maturing energy storage, controls, and power conversion systems for aviation applications. We are combining decades of experience with the latest technological advisements in testing and manufacturing to provide our high-tech engineers and manufacturing experts with the tools necessary to solve the unknown of unknowns for the next generation of aircraft. Harnessing automation through robotics, allows us to improve the reliability and efficiency of our production process, while addressing the safety and quality requirements of the aerospace industry. We have incorporated advanced testing and production equipment to expand our product development capabilities to support low rate production of subsystems for electric aircraft, and offer enhanced customer support through the integration of our systems. We are combining the right people, processes, and tools to deliver discriminating technologies to industry-leading aircraft manufacturers in an emerging market.

Testing Capabilities:

- Extensive high-speed data acquisition
- High volt high power design and test for high altitude applications
- I/O rich multi redundant control capability

Manufacturing Capabilities:

- Automated laser welding
- Automated module assembly (cell testing, inspection, and traceability)

Power Requirements:

- 2.1 megawatts of power supporting vertical takeoff and landing and next generation single isle aircraft

For more information contact:
Justin Mcclellan
1098 Clark Street
Endicott, NY 13760
T: 603 484 5988
justin.mcclellan@baesystems.com
baesystems.com/electrification