

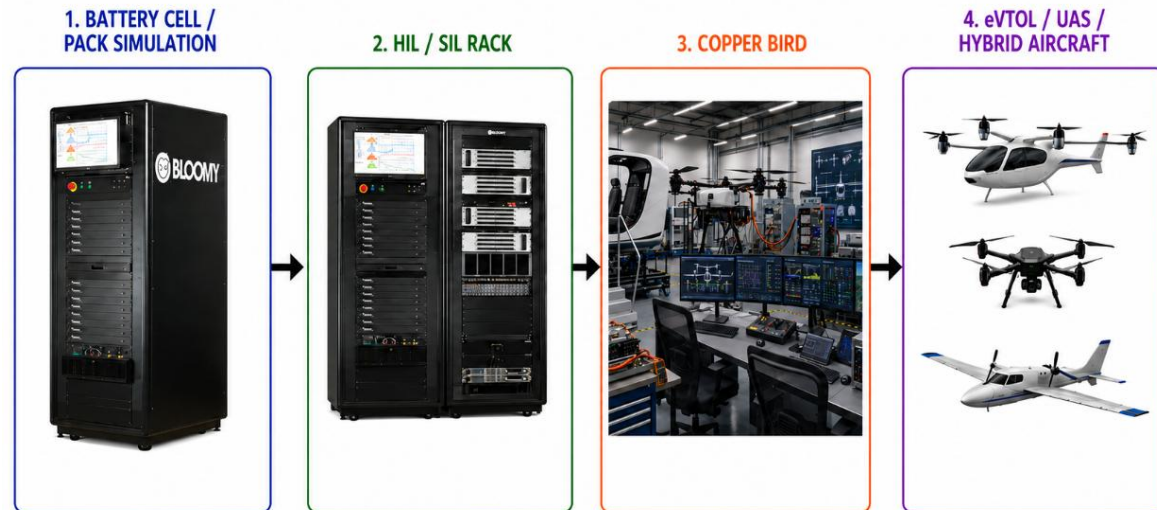
Automated test solutions for the entire product lifecycle

FROM BATTERY CELL TO COPPER BIRD

Integrated test solutions for electrified aircraft development

Electrified aircraft programs need more than component-level testing. Batteries, BMS, energy management, propulsion, flight controls, vehicle management, and power distribution must be validated as one integrated system.

BLOOMY helps aerospace teams test earlier, validate safer, and reduce integration risk with modular test platforms for battery simulation, HIL, SIL, and Copper Bird test environments.



Verification | Validation | Integration | Certification

Battery Simulation

BS1201, ABS800, and 800V Cell Simulation Tower Solutions for BMS, EMS, pack behavior, and fault scenarios.

HIL / SIL Integration

Integrated test platforms for propulsion, flight controls, vehicle management, power distribution, and aircraft communications.

Copper Bird

Electrical-system integration labs connecting simulated battery behavior with real aircraft hardware and fault insertion.

eFlight

Compact power monitoring and data acquisition for UAS, hybrid-electric, and electric aircraft flight-test applications.