



Advanced Air Mobility Research at Advanced Energy and Sensor Lab (AESL)



Contact Information

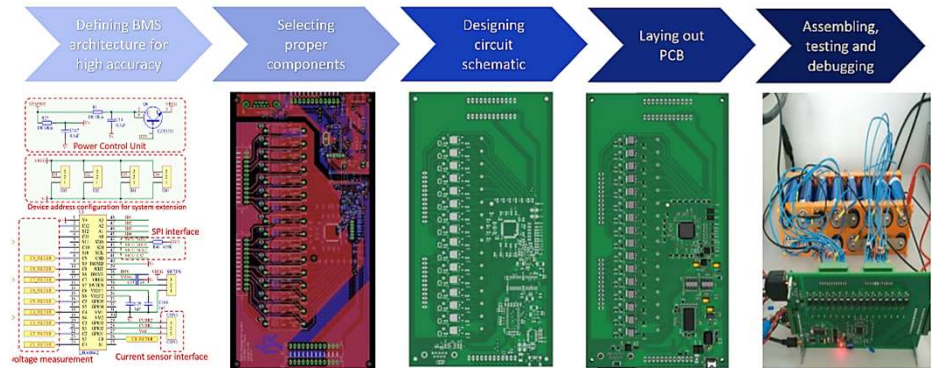
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Manufacturing of Battery Management System

- Monitoring and controlling battery test condition
- Collecting battery test data
- Validation test

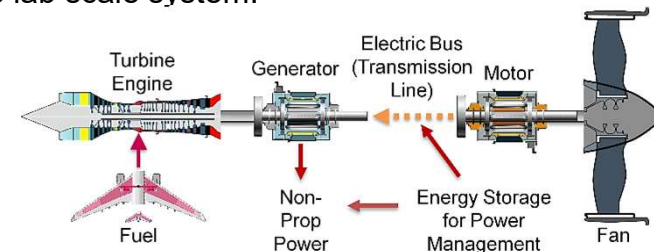


Battery Management System

- We designed an intelligent battery management system for electric and hybrid aircraft
- Novelties:
 - Update the model parameters when the battery pack gets older.
 - Fast detection of faults in the battery pack
 - Recording and analysis data during flights (data mining)
- The technology is the developed hardware and software that is integrated to battery packs.
- The technology is proven at laboratory scale.

Benefits

- The technology enables fast and accurate battery pack management at the aircraft safety level?
- We are looking for industry partners and funding to scale up the lab scale system.



Airspace Management	<input type="checkbox"/>	Command & Control	<input type="checkbox"/>	Comms	<input type="checkbox"/>	Power & Energy Storage	<input checked="" type="checkbox"/>	Propulsion	<input type="checkbox"/>	Sensors & Awareness	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>
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