Research project and supervisory team

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Short	With the rapid development of air transport, the gas emissions bring
introduction &	more and more pressure to the environment. In order to achieve energy
description of	conservation and emission reduction in the aviation field, electrification
research project	innovation, which centered on multi-electricity and all-electricity,
	becomes a global trend in aviation industry. The use of advanced
	electromechanical energy conversion equipment can replace 70% of the
	traditional secondary energy, in terms of generation, distribution and
	consumption, and reduce the direct operating cost of the aircraft by up to
	30%. The related technology is an important technical approach to China
	"carbon peaking and carbon neutrality" goals, as well as global
	environmental strategy, in the field of air transport, and road as well.
	This project is looking at the key technologies of electromechanical
	energy conversion equipment for next-generation aircraft. And devoted
	to cutting edge investigations in electrical machine drive systems, with
	themes of: innovative motor topology, motor and controller system-level
	joint design and optimization technology, and efficient thermal
	management strategy under extreme operating conditions and
	environments, etc.
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