

# Press Publication Materials



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A k i t a U n i v e r s i t y

## Joint Research Center for Electric Architecture and Stralis Aircraft Sign LOI

**Akita University (President: Yoshihiro Minamiya), with support from the Cabinet Office's "Regional University and Industry Revitalization Grant," established the Joint Research Center for Electric Architecture in April 2021 in collaboration with Akita Prefectural University(President: Hiroo Fukuda). The center is based at the Evaluation Laboratory for Next Generation Motors (located in the former Tanehira Elementary School in Yuwa, Akita City), and promotes research and development aimed at reducing CO<sub>2</sub> emissions from aircraft.**

**Recently, the Joint Research Center for Electric Architecture signed a Letter of Intent (LOI) with Stralis Aircraft, a company based in Queensland, Australia. The LOI outlines a mutual intention to collaborate on research and development related to future aircraft, including hydrogen-electric propulsion systems, as well as initiatives for human resource and capability development. This partnership was made possible through the introduction by IHI Corporation and Trade Investment Queensland.**

**Stralis is developing innovative hydrogen-electric technology to enable cost-efficient, sustainable and emission-free flight. Their proprietary high-temperature fuel cells are 6 times lighter than the current state of the art hydrogen-electric fuel cell, which will enable aircraft to fly ten times further than battery-electric alternatives and will be 50 per cent cheaper to operate than fossil fuel-powered aircraft.**

**The Joint Research Center for Electric Architecture will work with Stralis to jointly utilize the testing infrastructure at the Evaluation Laboratory for Next Generation Motors, which replicates full-scale aircraft power grids and equipment layouts. This collaboration will accelerate international joint research and development in aircraft system electrification.**



Scene from the LOI Signing Ceremony (Thursday, July 17, 2025, at the Australia Pavilion, Osaka Expo)  
From the front left:  
Junichi Sakaki, Director of the Joint Research Center for Electrification Architecture  
Hon. Ros Bates, Minister for Finance, Trade, Employment and Training, Queensland, Australia  
Bob Criner, Co-founder and CEO of Stralis Aircraft

## Queensland Government Press Release

<https://statements.qld.gov.au/statements/103088>

### About Stralis Aircraft

Stralis Aircraft is a Brisbane, Queensland, Australia based company aiming to be the world's leading emission-free aircraft company. They develop and manufacture high-performance, low-operating cost, hydrogen-electric propulsion systems and aircraft. The Stralis propulsion system incorporates a proprietary high-temperature next-generation fuel cell system that is six times lighter than automotive fuel cell systems. Their hydrogen-electric aircraft can travel ten times further than battery-electric alternatives and will be cheaper to operate than fossil fuel-powered aircraft. Stralis has letters of intent to purchase its products from customers in Australia, New Zealand, Asia, the USA, and Europe.

[www.stralis.aero/](http://www.stralis.aero/)

#### 【Contact Information】

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