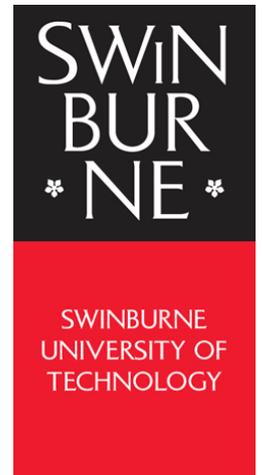


Transcript

Title: Aerostructures Innovation Research Hub
Creator: Swinburne University of Technology
Year: 2023

Audio/video for this transcript available from: <http://commons.swinburne.edu.au>



NARRATOR: Swinburne is dedicated to producing internationally recognized research with a focus on bringing people and technology together to build a better world. Supported by the Victorian Higher Education State Investment Fund and realised in collaboration with key partners, our flagship research hubs support and enable innovative cutting edge research that benefits the local and global community.

Swinburne's Aerostructures Innovation Research Hub, AIR Hub, is one of the largest and most active aerospace research collaborations in Australia. Through our five key research areas, we're developing the next generation of aerostructures for use in civil aviation, electric vertical take-off and landing aircraft, uncrewed aerial systems, advanced air mobility, and space.

Our focus areas include digitalization, advanced manufacturing processes, multifunctional materials, clean propulsion systems, and advanced air operations. AIR Hub enables the supply chain ecosystem by bringing together one of Australia's largest aerospace research and industry networks. This includes partnerships and projects with Australia's largest aerostructures manufacturers, specialized aerospace systems providers, and advanced air mobility developers.

Combining applied research, state-of-the-art facilities, expert teams, and developing the skills of the future, we are reinforcing Australia's civil aviation aircraft industry, accelerating advanced air mobility, including uncrewed air systems and urban air transport, establishing our capability to produce new space launch structures, and commercializing technology to open new markets for aerospace businesses.

Our AIR Pass Program is providing startups and SMEs with the support they need to design, build, optimize, and demonstrate new aerospace prototypes. We are also advancing Australia's zero emissions aviation industry and connecting regional communities with Australia's first hydrogen propelled drone. Bringing together industry, research, and education, AIR Hub is at the forefront of revitalizing Australia's aerospace industry, ensuring we realize the benefits of a connected, innovative, and clean Australia.

(mellow music)

[END OF TRANSCRIPT]