



Introduction to Advanced Air Mobility (AAM)

An intensive introductory course, delivered by Swinburne's Aerostructures Innovation Research (AIR) Hub.

Advanced Air Mobility (AAM) is the next generation of air transportation systems. It uses innovative aircraft including electric vertical take-off and landing (eVTOL) vehicles, drones, autonomous aircraft, and other emerging aviation technologies to move people and cargo more efficiently and sustainably.

AAM aims to improve both urban and regional transport by integrating these aircraft into existing infrastructure. It offers the potential to reduce emissions, shorten travel times, ease congestion and improve access to locations that are difficult to reach by traditional transport modes.

This course, delivered by Swinburne's Aerostructures Innovation Research (AIR) Hub, introduces the key concepts, technologies, and real-world applications of AAM, with a strong focus on the Australian context.

Drawing on AIR Hub's research and industry expertise, you will explore how AAM could shape transport, emergency response, regional access, and industry development—without needing an aviation or engineering background.

swinburne.edu.au/AIRHub



Learning outcomes

- Understand what Advanced Air Mobility is and how it differs from traditional aviation
- Discover key global and Australian developments in Advanced Air Mobility
- Analyse the main drivers, benefits, and barriers for Advanced Air Mobility
- Compare core AAM aircraft and propulsion types for different purposes
- Identify the infrastructure, regulatory, workforce and community elements of an AAM ecosystem
- Apply Advanced Air Mobility concepts to your organisation, region, sector, or future career pathway.

Your instructor

Dr Andreas Hendlmeier has over 10 years of experience as an engineer and researcher in the aerospace sector. In his current position with the AIR Hub, Andreas plays a key role in delivering industry projects focused on Advanced Air Mobility (AAM). Andreas has extensive knowledge in the design, stress analysis and manufacturing of aircraft structures, as well as expertise in thermoplastics.

Masterclass details

Introduction to Advanced Air Mobility is available both online or in person, with group bookings also available.

- \$800 per person (full day)
- \$400 per person (half day)

Enrol now

If you are interested in registering small to large groups of employees from your organisation, please send your enquiry to the AIR Hub Education & Training team at: airhub@swin.edu.au