Transcript

Title: Space Capabilities
Creator: Miscible Co
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NARRATOR: Swinburne is at the forefront of space and aerospace research and technology, a sector that is projected to be worth US $1.1 trillion by 2040.

We are combining our globally renowned capabilities in astrophysics, aerospace, aviation, engineering, advanced manufacturing, and digital technologies to produce innovative solutions for communities and the broader industry.

From bushfire prevention research using AI and satellite imagery to more resilient built environment and digital health solutions.

Using novel materials and bespoke designs, we are delivering cutting-edge solutions in space and on Earth, including lightweight satellite components and aerostructures for greener and cleaner launches, and alternative renewable fuels for commercial transportation.

We have access to state-of-the-art facilities such as the Swinburne-CSIRO National Industry 4.0 Testlab for Composite Additive Manufacturing and our very own Swinburne Supercomputing facility.

Our industry-engaged engineering facilities, including the Factory of the Future and the Smart Structures Lab, work with our partners to co-create innovative solutions, developing new products and manufacturing methods that can have a meaningful impact.

With deep industry partnerships, our researchers and students are paving the way for the next generation to build and experience a better world.

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