AEROSPACE FACT SHEET

Te Taumutu Rūnanga

Wairewa Runanga Inc. Soc.

Aerospace Aotearoa

Aerospace is an exciting and growing industry in Aotearoa, contributing over $1.7 billion to our economy each year.

The New Zealand Government is accelerating the growth of the aerospace sector through early space programme investments such as the establishment of a mission operations control centre for the MethaneSAT mission and space technology partnerships with NASA and the German Aerospace Center (DLR).

Leveraging New Zealand's geographic and innovation advantages, the Government is also supporting R&D partnerships with global space firms such as LeoLabs and Maxar Technologies.

This work complements other activities to attract and develop the sector including through the Airspace Integration Trials Programme.

The pioneering spirit of New Zealanders, coupled with uncluttered and open airspace and a unique, empowering regulatory system, has resulted in our country having one of the highest rates of aircraft ownership in the world. Excluding military aircraft, there is roughly one registered aircraft per 1200 people.

This is an extremely competitive sector that requires a highly skilled workforce, with safety assured by an internationally-renowned regulatory system. Innovation and investment is also leading to a growth in advanced aircraft manufacturing, design and engineering, using new technology to design and create world-class aircraft to suit customers' needs.

Project Tāwhaki could make a significant contribution to growing the aerospace sector by attracting international investment and globally-leading innovators, building domestic industry and R&D capabilities, and creating new highly-skilled jobs.

Aerospace in Canterbury

Aerospace and Future Transport is one of Christchurch's 'supernodes'.

"With clear airways, proximity to international air and sea ports, and access to infrastructure and talent, Christchurch is a hub for aerospace and future transport innovation." *Source: Christchurch NZ*

Canterbury is the first region to develop an aerospace sector plan to grow and nurture the industry, with the goal of being New Zealand's aerospace testbed by 2025. Project Tāwhaki will help to accelerate the sector's development, with benefits to Christchurch, wider Canterbury and New Zealand as a whole.

Aerospace at Kaitōrete

Kaitōrete ticks all the boxes for key technical launch site criteria and as a R&D and test facility, along with other key advantages - well-placed to provide access to desirable orbits, proximity to an internationally-connected city, world-class universities and a highly skilled local workforce as a result of the fast developing aerospace sector in Canterbury.

A phased approach will be taken to introduce aerospace activity, leveraging the work some innovators are already doing in the South Island to develop facilities and utilise the area.

We will see this activity grow as more operators see the immense benefit of the location, access to a highly-skilled local workforce and get inspired by the innovation already happening in the sector.

This project will provide an exciting boost to the post-earthquake recovery of Canterbury.

New Zealand Government

Examples of Canterbury operators in the Aerospace sector

Canterbury is already home to a number of innovative aerospace companies. These include:

Wisk

Pioneering an entirely new way to fly, Wisk's all-electric, self-flying air taxi has been testing in Canterbury since 2017. Wisk's electric aircraft takes off like a helicopter and flies on the wing, removing the need for a runway and opening up a future where people are connected by the power of safe, accessible everyday flight. With Wisk, New Zealand is at the forefront of a global industry bringing to market a sustainable and transformative technology that can enrich people's lives, not only in New Zealand but ultimately the whole world.

Visit **wisk.aero**

Kea Aerospace

Kea Aerospace are developing a solar-powered, remotely-piloted aircraft that will fly continuously in the stratosphere for months at a time. The Kea Atmos will have the largest wingspan for an un-crewed aircraft built in the Southern Hemisphere. It will collect data at around 20km altitude to acquire aerial intelligence to fill data gaps in areas, such as: environmental monitoring, forestry management, precision agriculture, disaster management and maritime surveillance.

Visit **www.keaaerospace.com**

Dawn Aerospace

The Aurora, a sub-scale suborbital vehicle, has been built to demonstrate Dawn's core technology for daily access to space. It is the latest vehicle of a series that will one day deliver satellites and assets to, and return them from, space. Dawn also design, manufacture and export satellite propulsion systems. These use a proprietary, environmentally friendly technology. These are an important part making space transportation truly scalable and sustainable

Visit **www.dawnaerospace.com**