



## COMPANY OVERVIEW

Southern Launch was established as the sovereign, one-stop-shop rocket launch service provider, headquartered in Adelaide, South Australia.

Our offering includes the >3000km long overwater Whalers Way Orbital Launch Complex near Port Lincoln (South Australia), and the 145km long overland Koonibba Test Range, near Ceduna (SA) that abuts the southern boundary of the Woomera Prohibited Area.

We have expertise in the launch of large and small rocket launch vehicles, all logistics and payload integration, conduct launch operations and undertake bespoke hardware and software design activities.

## PRODUCTS

Southern Launch's products and services include:

- Launch - providing sovereign, responsive launch services for orbital and suborbital missions from our Whalers Way and Koonibba Ranges.
- Operations – Providing a one-stop-shop for customers covering all State, Federal and international approvals, facilitating all logistics, undertaking safe launches, and recovering payloads.
- Rocket design – including hardware and avionics prototyping, manufacture, assembly, test and flight.
- Mission design and analysis – trajectory analysis and design as well as range safety and tradespace analyses.
- Licensing - Undertake all Australian launch licensing steps, securing international technology transfer permits, and holding requisite 3rd party launch insurances.

## DISCRIMINATORS

- Southern Launch's Whalers Way Orbital Launch Complex and Koonibba Test Range were the first facilities in Australia licensed by the Australian Space Agency to send rockets above 100km altitude
- Southern Launch secured Australia's first space launch permits for our customers under the Australian Space Agency
- Inhouse range safety analysis software approved for flight safety analyses by both the Australian Space Agency and Civil Aviation Safety Authority
- Koonibba Test Range is setup to enable rocket launches into the Woomera Prohibited Area
- All staff hold or are in the process to obtain NV1 security clearances

## AVAILABILITY AND SUPPORT

Southern Launch operates its two ranges in South Australia, but can provide design and analysis services to any region or other range / rocket operator. We are focused on:

- Demonstrating safe, reliable, and responsive launch services for Defence and commercial customers.
- A single, reduced bureaucratic red tape, rocket launch permitting process spanning both Defence and civilian space activities.
- Securing Defence contracting that utilises nascent sovereign rocket launch capabilities.

## KEY CUSTOMERS

- Australian Defence Force / Defence Science and Technology Group (DSTG)
- Perigee Aerospace
- AtSPACE Pty Ltd
- Deutsches Zentrum fuer Luft- und Raumfahrt e.V. (DLR)
- Taiwan Innovated Space Incorporated
- Hylmpulse Technologies GmbH

## KEY PARTNERSHIPS (SUPPLIERS)

- Astos Solutions GmbH
- Koonibba Community Aboriginal Corporation
- ANSYS Inc
- T-Minus Engineering B.V.
- HOSTmi GmbH

## KEY PARTNERSHIPS (CONSULTING)

- Praxis Aerospace Pty Ltd

## QUALITY ACCREDITATIONS AND AWARDS

- Australian Institute of Project Management
  - Project Management Achievement Awards (PMAAs) 2021
  - South Australia Project Winner – Regional
  - Whalers Way Orbital Launch Complex - Development Application and Environmental Impact Assessment - SouthernLaunch.Space Pty Ltd
- Engineers Australia
  - Australian Engineering Excellence Awards
  - 2021 Professional Engineer of the Year (SA Division)
  - Andrew Curran, Southern Launch General Manager - Infrastructure

## CONTACT DETAILS

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