

TO SPACE AND BACK

APPROVALS | LAUNCH | RETURN

Customised access to and from space

Southern Launch provides bespoke launch and return services in the Southern Hemisphere with end-to-end support for your next space mission.



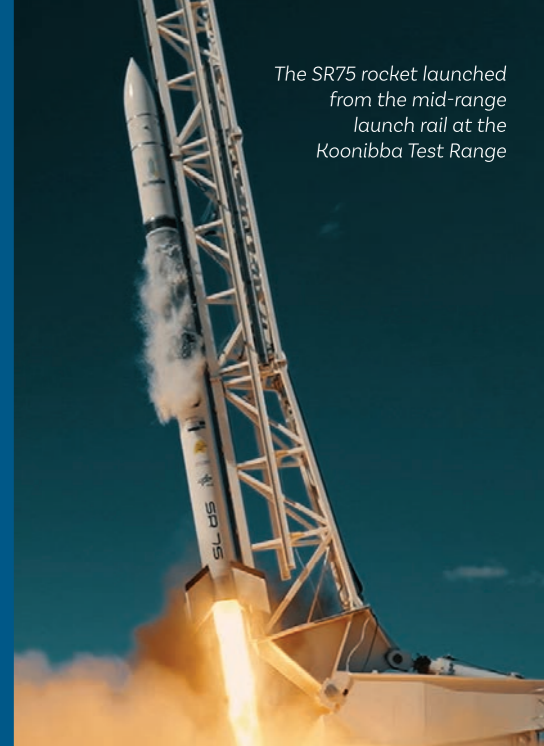
Southern Launch offers two unique spaceports in South Australia designed to support your launch and return requirements.

The Whalers Way Orbital Launch Complex is one of the only sites in the world that can provide high-cadence launches to polar and sun-synchronous orbits. The site also supports suborbital missions and hypersonic flight testing over water.

The Koonibba Test Range is the largest commercial rocket testing facility in the Southern Hemisphere and specialises in suborbital launches and returns from space.

We work closely with our customers to find the most efficient path to safe, successful, and frequent launch and returns.

Southern Launch takes care of all regulatory approvals, logistics, on-range set up and launch and return support.



The VS03 mission at the Whalers Way Orbital Launch Complex



Our team of leading engineers, project managers, specialists, and regulation experts work with rocket manufacturers and payload customers to manage all aspects of space launch and return.

Your mission.
Our expertise.



Koonibba Test Range

KEY FEATURES

- ✓ Up to 41,000km² of range area
- ✓ 16.8 metre long linear launch rail
- ✓ Fully instrumented range with telemetry, optical and radar systems
- ✓ Up to 350km downrange with overland recovery of payloads
- ✓ All range infrastructure supplied
- ✓ Instrumented optical range to accelerate helicopter recovery of space technology
- ✓ Recovered return capsule processing and storage facilities at a secure warehouse located within 40km of the range



Southern Launch secures all required approvals, including environmental approvals, to undertake space related activities in Australia on behalf of our customers.

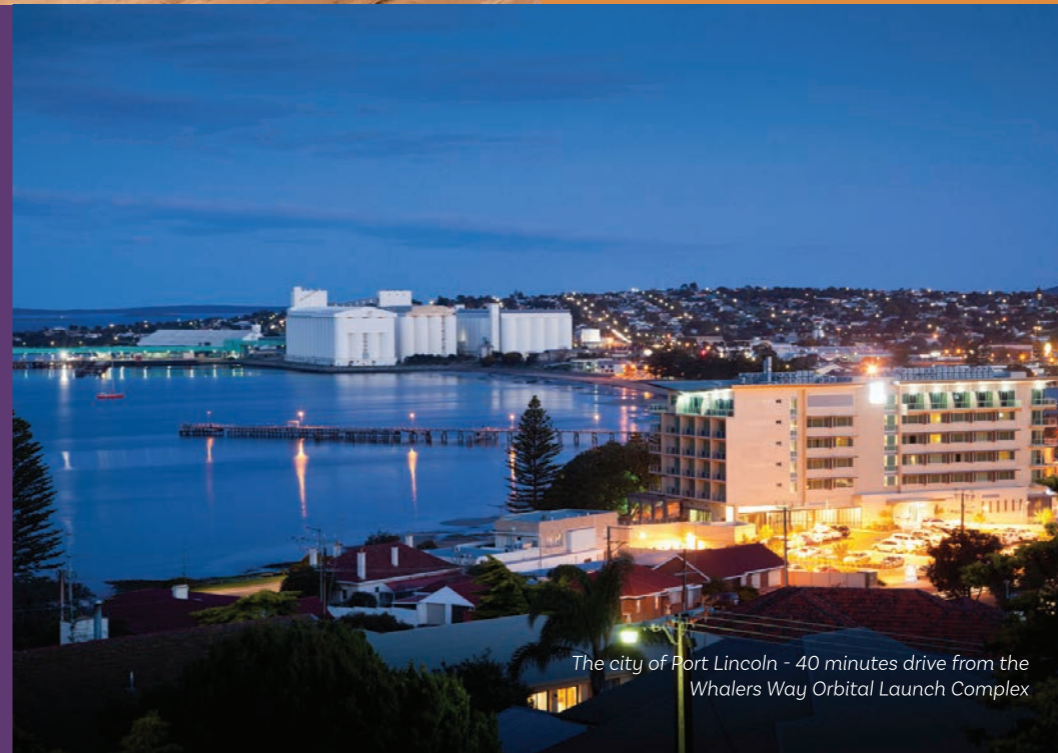
Evidence of all permits secured under Australian legislation is provided for every mission.



Whalers Way Orbital Launch Complex

KEY FEATURES

- ✓ Licensed by the Australian Space Agency and other regulatory bodies for space launch
- ✓ 1,600Ha complex
- ✓ Supports orbital and suborbital missions, hypersonic flight testing over the Southern Ocean and water based returns from orbit
- ✓ Fully instrumented range with telemetry, optical and radar systems
- ✓ Southern Launch manages all aspects of range operations including ground, air and maritime traffic management



Your mission.
Our expertise.

sales@southernlaunch.space
www.southernlaunch.space



OUR SPACEPORTS

Whalers Way Orbital Launch Complex

The Whalers Way Orbital Launch Complex supports direct ascent trajectories from 55 to 177 degrees including polar, sun-synchronous orbits and 135 degree (equivalent to 45 degree) inclination.

Good year round weather and unhindered launch trajectories with low density air and marine traffic offer greater launch window availability.

Launch customers can access high cadence, direct ascent flight trajectories maximising spacecraft payload mass and profitability.

The complex can also accommodate hypersonic flight testing and the return of space technology from orbit over water.

Whalers Way Orbital Launch Complex is located 35 minutes from the city of Port Lincoln which has an abundance of accommodation, restaurants and tourist attractions.

Koonibba Test Range

The Koonibba Test Range is the largest commercial rocket testing facility in the Southern Hemisphere.

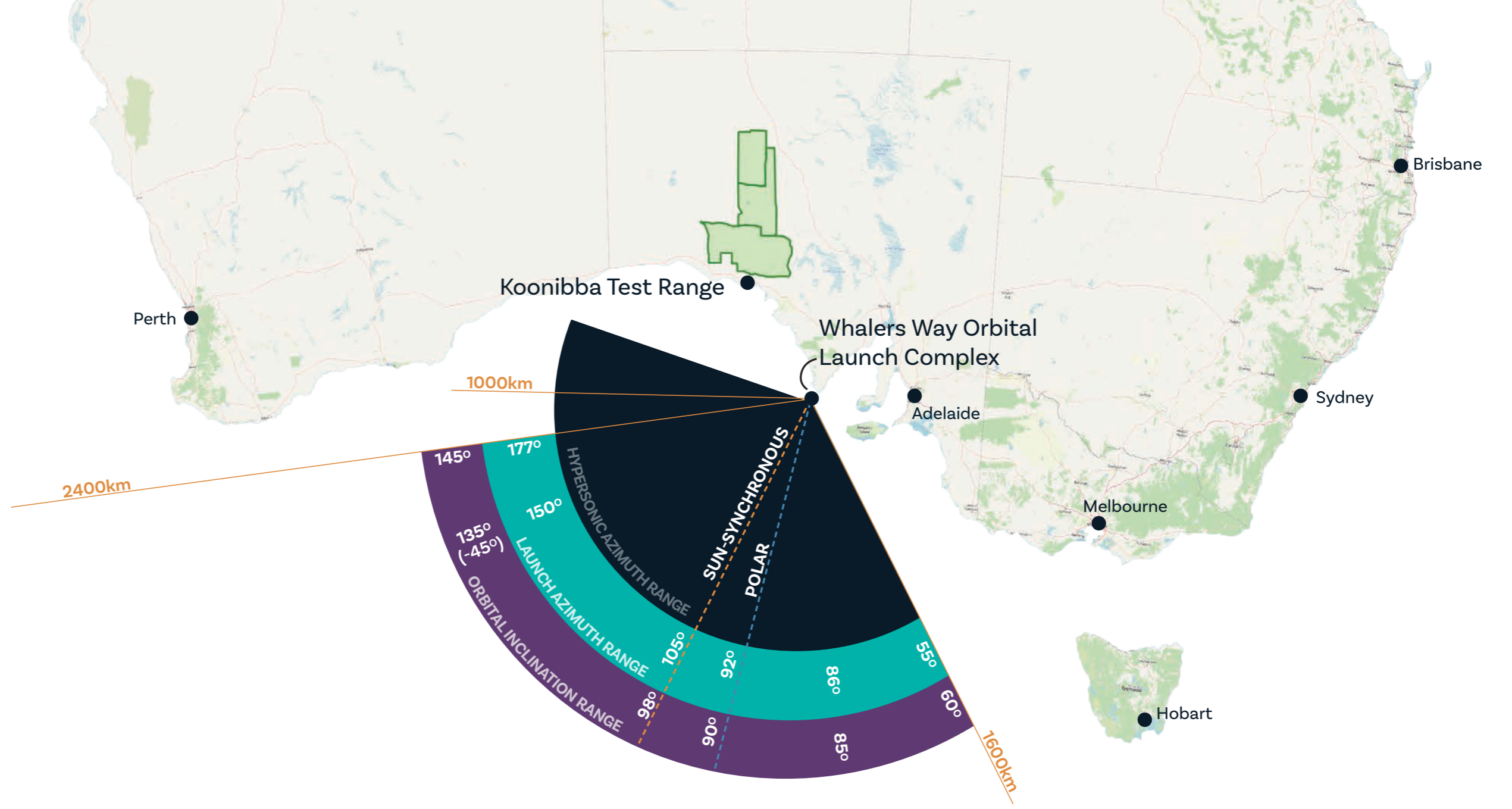
The range encompasses up to 41,000 square kilometres and extends up to 350 kilometres over uninhabited land. Rockets and payloads can be recovered from land to collect data and conduct system validation.

The range is equipped with a 16.8 metre launch rail capable of launching rockets up to 4,200kg.

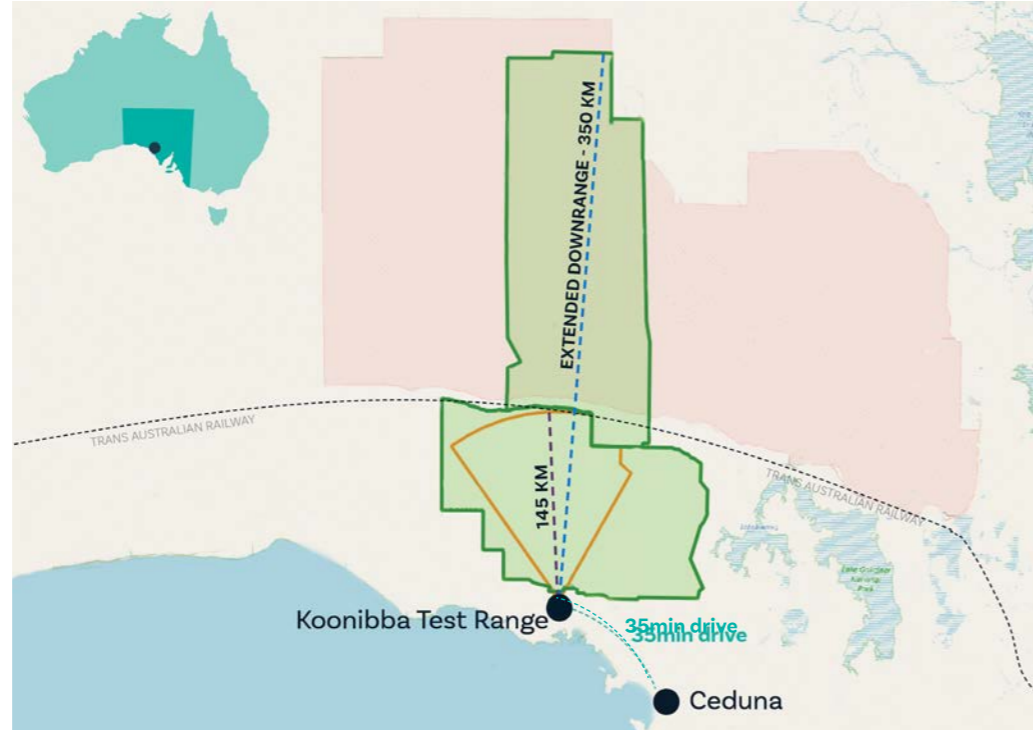
The facility can also receive the return of space technology from orbit inclinations from polar orbit to as low as 32 degrees.

The Koonibba Test Range is operated in partnership with the Koonibba Community Aboriginal Corporation and is Australia's first licensed space launch facility.

The range is located 40kms from the regional centre of Ceduna which has a range of accommodation and catering options.



Overview of the Koonibba Test Range



Overview of the Whalers Way Orbital Launch Complex

