

What is SouthPAN?

SouthPAN is a significant infrastructure investment and is a key building block for New Zealand's economic future.

It is a satellite-based augmentation system that will improve positioning and navigation services to as little as 10cm in New Zealand and Australia.

It provides a platform for improved productivity, efficiency and innovation.



Transport efficiency

Supports aviation – domestic air travel safer and less disrupted by bad weather.

Supports maritime industry and unmanned aerial vehicle (ie drones) / aerospace industry.

Increased productivity

Streamline operations and improve efficiency through accurate data, optimised routing, navigation and resource allocation, reducing travel time, fuel consumption and costs.

Improved safety

Reliable and accurate positioning information helps risk management and prevention in areas like construction, transport, maritime and aviation, emergency situations – eg in helping aircraft land safely at airports.

Asset management

Enables businesses to locate assets, vehicles and infrastructure with greater precision.

Helps forestry and construction with more efficient surveys, maps and site selection.

Driving innovation

Improved positioning accuracy drives productivity - accurate vehicle guidance gives efficiencies in stock and crop management and to virtual fencing helping monitor / control stock.

Benefits

- The improved accuracy of positioning information will support innovation by unlocking new possibilities for innovation and opportunities for entrepreneurs and tech companies to create value-added solutions.
- The quantified economic benefits across multiple sectors are estimated to be at least \$864m over the next 20 years.
- Benefits will increase as new applications are developed and LINZ is actively engaged with central and local agencies and industry to drive user uptake.
- Early SouthPAN signals are being delivered now, so benefits can be delivered from early in the project.

Finance

A long term partnership approach with Australia.

New Zealand gives 25% and Australia 75% of funding. New Zealand is committed to the delivery of SouthPAN through contracts for the life of the project (through to 2042).

Breakdown of funding:

- operating funding of \$781.7m (\$297.8m over first 4 years and \$32.2m for each outyear from 2027-42) and
- capital funding of \$10.9m.

Survey & Title Enhancement Programme (STEP) – new Landonline

Benefits

- Flexible, modular technology platform, improved quality and range of survey and title services, improved productivity and information flows.
- Delivers innovative enhancements (3D survey plan).
- New products and services are being delivered iteratively. Large parts of modernised platform are live and satisfaction with delivered services is high.
- New Landonline will be fully live by June 2025.
- Finished system will see a reduction of security risks, better delivery to customer needs and enable financial efficiency savings of over \$124m for customers and third parties.
- In-house capability has been developed to build Landonline and maintain it in the future, without future one-off investment needed.

What has already been delivered

Up to 70% of survey and title transactions are now able to be conducted on the new platform. Use of Public Land Record Search has far exceeded expectations. All major banks have signed up to the automated mortgage transaction notifications and territorial authorities have signed up to the Notice of Change of Ownership services.

What is STEP?

LINZ is responsible for the government guarantee of ownership of land.

STEP is a major modernisation of the Landonline property system. Outdated technology will be replaced to ensure Landonline remains world class and delivers a modern, secure and efficient system for New Zealanders.

Landonline is an important part of New Zealand's economic infrastructure.

Why do this?

Confidence in property rights underpins living standards and is critical to the financial and banking system on which the economy relies.

This is a future-proofed system that responds to changing customer needs, technology trends and changes in law and helps people make better property and land decisions.

Finance and governance

Over the STEP whole-of-life period to 2030 capital build is expected to cost \$175.7m, and operating expenditure \$76.1m.

STEP costs are recovered from cost-recovery fees.

An external governance board provides oversight on delivery challenges, risks and financial performance.