

SouthPAN to Position Australia and New Zealand into the Future



Australia and New Zealand's operational Satellite Based Augmentation System (SBAS) has officially been named the Southern Positioning Augmentation Network, or SouthPAN. SouthPAN will be the first SBAS in the Southern Hemisphere, led by Geoscience Australia and Land Information New Zealand (LINZ) under the Australia New Zealand Science, Research and Innovation Cooperation

Agreement.

The network will augment standard positioning capability provided by GPS and Galileo across all of Australia and New Zealand, improving the accuracy of positioning from 5-10 metres to 10 centimetres without the need for mobile or internet coverage.

Multitude of applications

This technology will bring widespread benefits across many sectors including agriculture, construction, resources, utilities and other industries. It will also support aviation and road transport sectors, which have requirements for high-integrity positioning data with submetre accuracy.

A previous 18-month trial of SBAS showed that decimetre-level accuracy will significantly improve productivity and safety in the modern world, with economic benefits recognised in an independent report in 2019.

The procurement phase for SouthPAN is currently underway with initial signals to be provided progressively and a fully-operational and certified system in place by 2025.

Read also the article 'Establishing an Operational SBAS Down Under', published by GIM International in January 2020.



SouthPAN will be the first SBAS in the Southern Hemisphere, led by Geoscience Australia and Land Information New Zealand (LINZ). (Image courtesy: Geoscience Australia)

https://www.gim-international.com/content/news/southpan-to-position-australia-and-new-zealand-into-the-future