

Satellite-Based Augmentation System (SBAS) Testbed Demonstration Project Update

November 2017





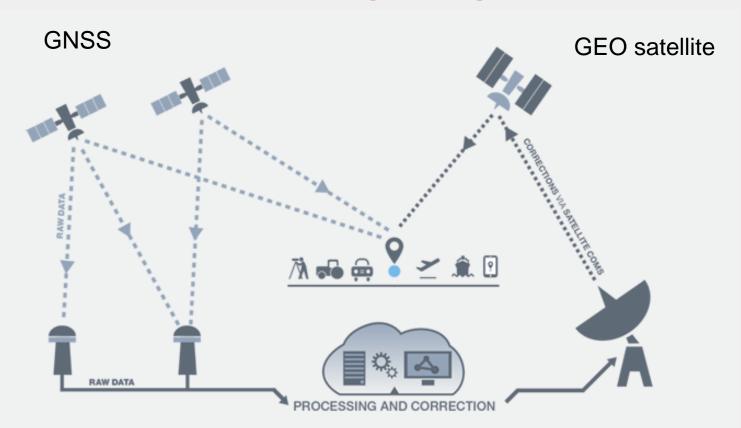


Overview

- What is SBAS?
- Why have a SBAS testbed?
- What is the SBAS testbed?
- Details on some projects
- Project hardware
- Project status
- Conclusion

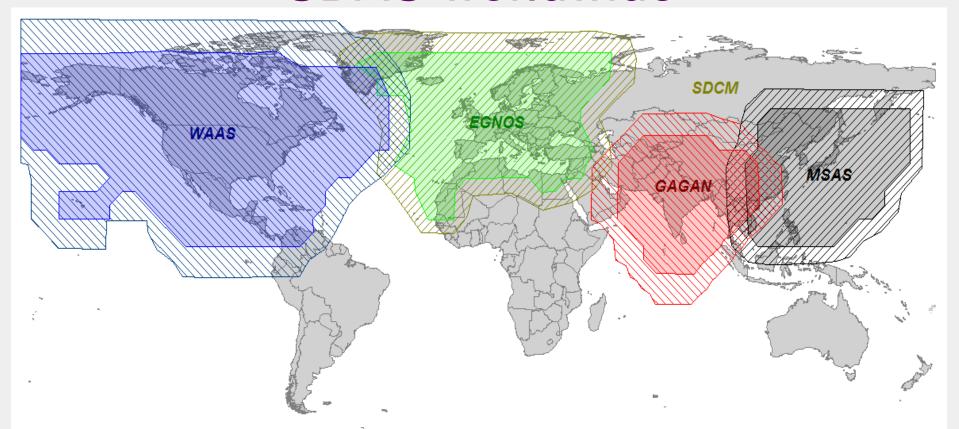


What is SBAS?





SBAS worldwide





Why have a SBAS testbed?

SBAS infrastructure is expensive

- 2011 Australian SBAS Report:
- Consideration of any future investment in SBAS would need to be a part of a whole of Government approach with the significant cost considered against potential benefits across a range of industries



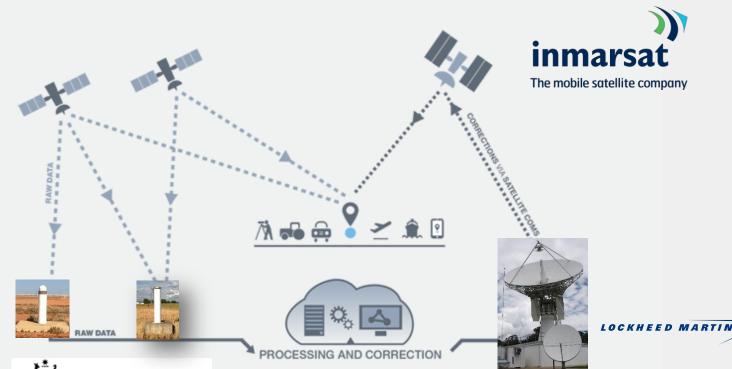
Project Background

\$14 million invested from ANZ Governments

 The project will demonstrate the potential safety, productivity, efficiency and environmental benefits of these SBAS technologies which provide more accurate positioning information across a variety of industry sectors



What is the SBAS testbed?





Australian Government Geoscience Australia



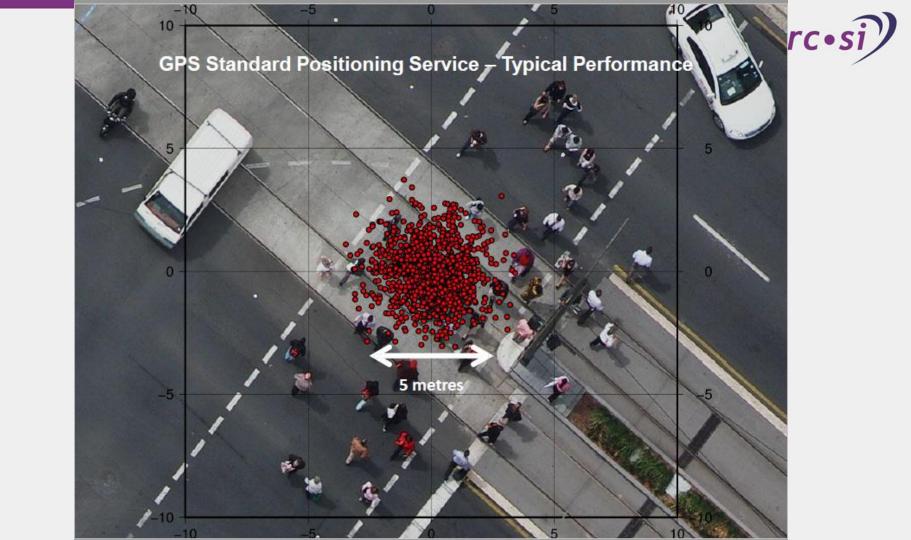
What is the SBAS testbed?

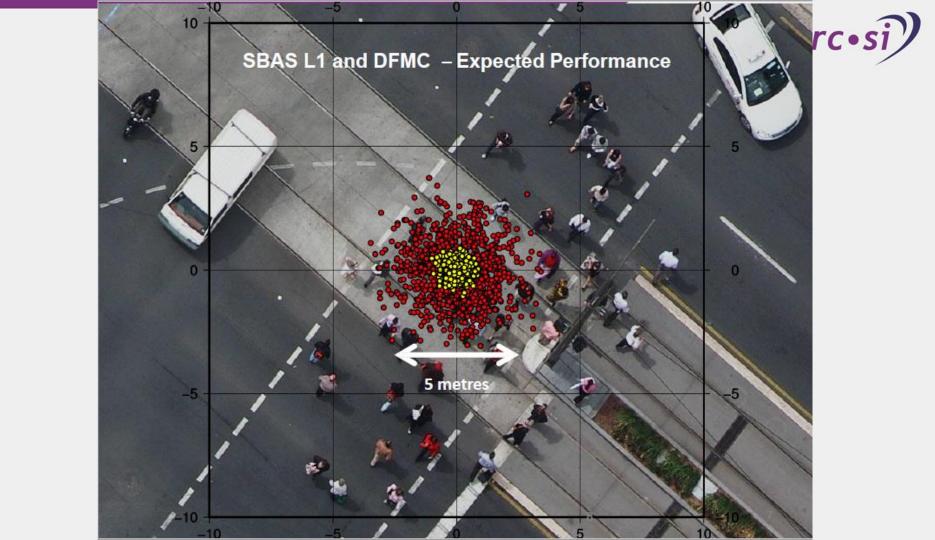
Three different signals are being trialled:

SBAS June 2017 PPP September 2017 October 2017

ALL SIGNALS ARE NOW LIVE

WORLD FIRST TEST OF DFMC SBAS







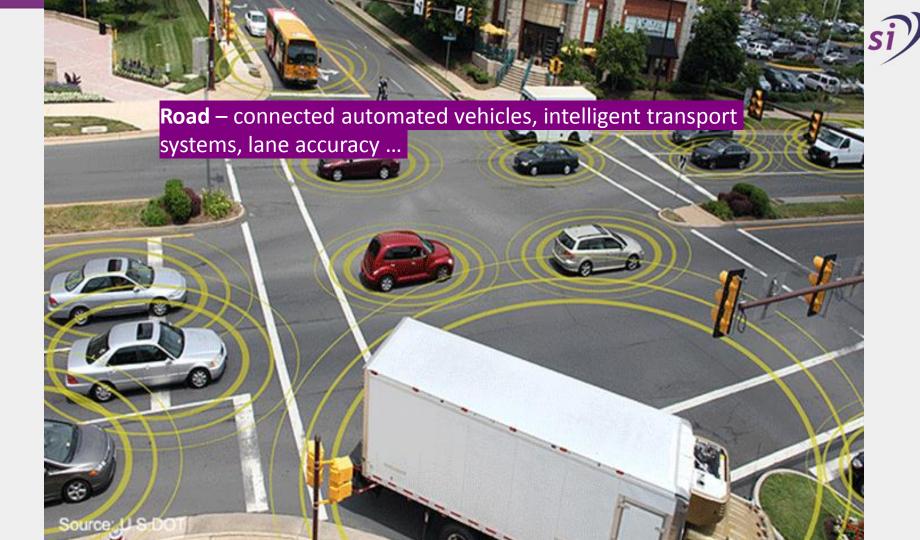


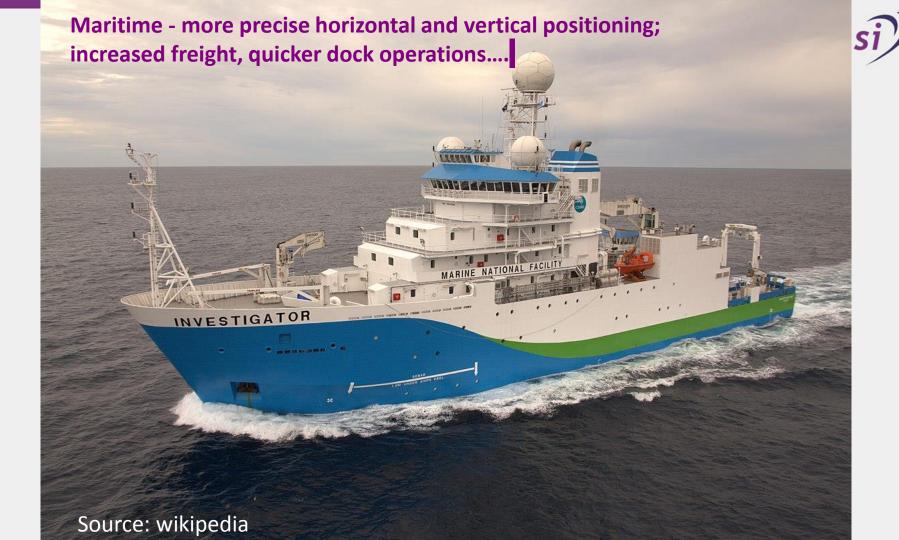
Demonstration Projects - Sectors













Hardware





Early 2018



Now



Project Status

- 30 projects in work; 11 signed contracts so far
- Projects across ANZ with industry, academia and government
- Economics consultant engaged analysing the economics benefit of SBAS
- Majority of benefits will be seen in 2018







Summary

• 30+ projects in ten sectors across ANZ

Projects and testing has started

 Significant benefits have been identified and applications will be demonstrated in projects

Full project results expected in 1H 2019



Thank you. Questions?

For more information, contact:

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Useful SBAS project information:

www.crcsi.com.au/sbas http://www.ga.gov.au/scientific-topics/positioning-navigation/positioning-for-the-future/satellite-based-augmentation-system/profiles

