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## Saber Astronautics Secures Phase II Defence Contract

Sydney, Australia: Australia's Department of Defence has awarded space engineering company Saber Astronautics a Phase II Defence Innovation Hub contract to advance the capability at detecting degraded electronic signals. Valued at \$1,235,000, the work is the second of a potential three Phase project using Saber's advanced machine learning capability. The application adds significant capabilities to Australian Defence and also has potential spinoffs for commercial space operations by autonomously protecting the quality of satellite data during solar storms.

"The team is exceptionally proud of the Phase One results. This phase allows us to work closer to the Air Force in fielding some serious Defence capabilities," said Andreas Antoniadis, Lead Avionics Engineer at Saber Astronautics. "The combination of our machine learning with new, advanced signals processing systems benefits both our country and customers alike."

With an Australian Space Agency recently announced (initial budget of \$41 Million), and the number of new Australian space ventures growing each month, the technology can also be a differentiator for space companies making space derived products which shape the economy.

"Many new space ventures make space products for consumers, such as satellite photos for mines and farms, or data for Internet of Things," explained Saber Astronautics CEO Dr. Jason Held. "Space weather events, such as solar flares, can reduce the quality of these products costing the company money. The ability to detect damage to a signal can give great benefits which the consumer will see with clearer pictures and better data."

Saber Astronautics, with nearly a decade of experience in applications of machine learning to space and defence applications, will be deploying early versions of the technology at the end of 2019.

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### **About Saber Astronautics**

Saber Astronautics' mission is to reduce barriers to space flight, making it more accessible to people on Earth. Saber's Predictive Interactive Groundstation Interface (PIGI) is a next-generation space mission control software developed by an experienced team of space operations, systems control, ux, and robotics experts. PIGI brings together the latest techniques in human factors, artificial intelligence, and dynamic 3D data visualization to make it easy for spacecraft operators to monitor, fly, and rapidly diagnose faults in spacecraft systems.

For more information, please visit [www.saberastro.com](http://www.saberastro.com)

