

# AuManufacturing

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### Neumann Space to test Australian made propulsion system



In-space electric propulsion developer Neumann Space and SmallSat pioneer Surrey Satellite Technology have agreed to work together to test an Australian designed and manufactured in-space propulsion system as part of the CarbSAR In Orbit Demonstration Mission.

SSTL and Adelaide's Neumann Space will begin work this year to integrate the next generation Neumann Drive as an In-orbit Demonstration (IOD) payload on board the SSTL CarbSAR satellite scheduled for launch in the second half of 2024.

The companies will collaborate over the course of the mission to test, demonstrate, and verify the performance of the Neumann Drive whose unique propulsion technology uses solid metallic propellant.

The opportunity to be a part of the CarbSAR Demo Mission will provide Neumann Space with the ability to further grow its space heritage and is an active demonstration of SSTL's commitment to collaborate with the Australian Space industry to stimulate local growth and competitiveness.

Neumann Space's CEO Herve Astier said: "Our participation in the CarbSar Demo Mission and our first piece of work with SSTL is significant for Neumann Space and for the commercialisation of our innovative propulsion technology.

"This is an important addition to our programme of in orbit demonstrations, providing us with the opportunity to validate the performance of our sovereign capability on SSTL's latest generation 150+kg satellite platform, and to work more closely with a leader in the UK's space industry for both commercial and defence applications."

The CarbSAR Demo Mission is a partnership between SSTL and Oxford Space Systems to build and launch an OSS Wrapped Rib antenna mounted to an SSTL CarbSAR satellite.

This mission is designed to prove a groundbreaking Synthetic Aperture Radar concept with implications for near to medium term UK defence ISR strategies.

The head of the Australian Space Agency Enrico Palermo welcomed the partnership saying it was the type of collaboration envisaged by the UK-Australia Space Bridge.

