



ÅAC Microtec confirms successful launch of NSLSat-1, the company's fourth deployment in 2019

2019-07-11 ÅAC Microtec AB

NSLSat-1, was successfully launched on Friday 5 July at 07:41 CEST by EXOLAUNCH on the Soyuz 2.1b launch vehicle from the Vostochny Cosmodrome, Russia, into Low earth Orbit (LEO). AAC Clyde Space has since made contact with spacecraft from their Glasgow based ground station, with spacecraft systems performing as planned. AAC Clyde Space are providing a full end-to-end mission service package for this mission, from mission design and satellite manufacture to data supply for Israel's NSLComm.

The AAC Clyde Space built 6U CubeSat was delivered to the launch provider, EXOLAUNCH, early last month and integrated with the Soyuz launch vehicle's adapter at the Russian spaceport. NSLSat-1 carry's an advanced lightweight antenna and sub-reflector payload which has in-built smart technology set to enable worldwide supercharged internet of over 1 Giga bit per second provided in total from the spacecraft.

The high-tech self-correcting solution can turn satellites such as CubeSats and SmallSats into powerful transponders relaying high frequency signals from a low-Earth orbit. This versatility of operation enables the concentration of the data to specific locations on the ground, achieving what are likely to be record breaking data rates. This data will be available to global satellite operators at a lower cost per bit.

"Our customers have ambitious missions for an ever-expanding range of applications. It's our job to enable the realization of their pursuits, through the provision of highly progressive nanosatellite capabilities. In demonstrating this innovative space-based technology NSLComm is set to revolutionize New Space communications whilst showcasing the AAC Clyde Space's 6U CubeSat performance. We couldn't be prouder to partner with NSLComm and EXOLAUNCH for this mission", says Luis Gomes, CEO ÅAC Microtec.

Raz Itzhaki Tamir, CEO NSLComm said *"Our overall vision is to provide affordable satellite communications. Our new nanosat combines innovative, lightweight technology to ensure high throughput technologies that offer a limitless variety of broadband applications".*

NSLComm develops satellite technology that enables high-speed nanosatellite communication systems for government, commercial, and private applications. The long-term vision for NSLComm is to provide a worldwide communications network via an orbiting constellation of about 80 spacecraft providing global coverage data and media applications.

Connor Jonas, EXOLAUNCH Program Manager said, *"We were very excited to work together with NSLComm and AAC Clyde Space. We couldn't have asked for a more successful launch campaign, and we look forward to continuing this partnership in future launches down the road."*

This successful launch represents the companies fourth successful deployment this year alone, with further launches planned in the latter half of 2019. The developments by AAC Clyde Space in spacecraft technology and volume production are making the prospect of missions requiring constellations of small satellites and CubeSats a reality, supporting an increasing range of new and technically challenging space applications. Delivering Space as a Service, AAC Clyde Space combine best-in-class manufacturing capabilities, novel operational structures and cutting-edge technology to offer customers unrivalled access to space.



FOR MORE INFORMATION:

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ABOUT AAC MICROTEC AB

ÅAC Microtec, and its subsidiary Clyde Space, offer a full turnkey mission service from design to on-orbit operations including reliable platforms in the range of 1 to 50 Kg; customizable to suit our customers' requirements. Their end-to-end service package enables our customers to reach their mission goals with a single, trusted point of contact. In addition, they supply a full range of subsystems for cube satellites and small satellites. The company has offices in Sweden and the UK.

ÅAC Microtec's shares are traded on Nasdaq First North Stockholm. G&W Fondkommission, e-mail ca@gwkapital.se, telephone +46 8 503 000 50, is the Certified Adviser.

About CubeSats

CubeSats are fully functional satellites. CubeSat have standard dimensions are measured in standard "Units" or "U's" with a 1U CubeSat being 100mm x 100mm x 110mm and about 1.1kg, a 3U CubeSat being 100mm x 100mm x 330mm and about 4kg, and so on. CubeSats typically piggy-back on other launches. The range of applications of CubeSats is increasing rapidly as the technology and capabilities of these tiny spacecraft continue to improve.

Further sources:

<https://www.nslcomm.com/breakthrough>