**NEWS RELEASE**

**ADDVALUE TECHNOLOGIES LTD**
Company Registration Number: 199603037H

# ADDVALUE'S INTER-SATELLITE DATA RELAY TERMINAL COMPLETES ONE-YEAR OF IN-ORBIT TESTING

**Singapore, 20 December 2016** – Subsequent to the successful launch of the VELOX-II satellite on 16 December 2015, Addvalue Innovation Pte Ltd ("Addvalue"), a wholly-owned subsidiary of Singapore's Mainboard-listed company, Addvalue Technologies Ltd, is pleased to announce that its Inter-Satellite Data Relay System ("IDRS") terminal, designed, built and tested in Singapore has successfully completed one year of on-orbit testing with all primary objectives met. These tests clearly demonstrate that IDRS based communications can significantly improve the operation of LEO satellites. The Addvalue IDRS terminal communicated over Inmarsat's proven, high reliability Broadband Global Area Network (BGAN), which operates exclusively from geostationary orbits, and operated in space aboard the VELOX II satellite platform built under contract by NTU.

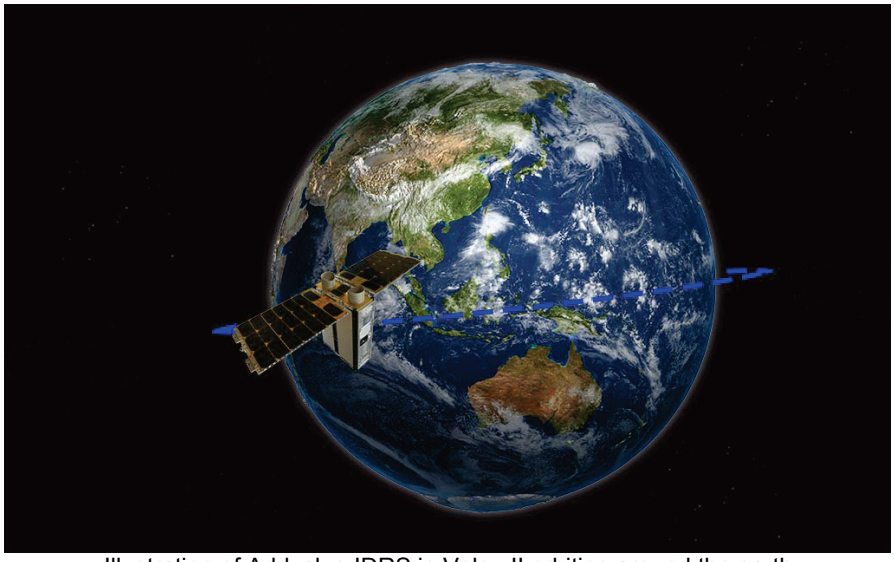

Illustration of Addvalue IDRS in Velox-II orbiting around the earth

Addvalue's IDRS is an innovative new service that addresses a long standing constraint on the operation of low earth orbit (LEO) satellites. Currently, communications with LEO satellites is only available when the satellite is within sight of an earth station. Further, this limited connectivity is available only on a rigid time schedule based on the particular LEO satellite orbit and the geographic placement of the earth stations. Thus LEO satellite operators must contend with communication links that are not available on a 24/7 basis. Since the launch of its IDRS terminal aboard the VELOX II satellite on 16 December 2015, Addvalue has demonstrated the technical feasibility of IDRS, its new LEO satellite link, to provide high capacity on-demand 24/7 two-way IP-based data services for LEO satellite missions.

Mr Tan Khai Pang, Chief Operating and Technology Officer of Addvalue noted that "It is great news that real-time bi-directional data sessions have been repeatedly demonstrated in the first-ever LEO-GEO-Ground data relay link operated over the Inmarsat I-4 GEO satellite constellation. It is equally significant that the hardware, designed without using any export-control components, has stood the test of the space environment for over a year and is still operating well." With the experience and insights gathered from this space heritage, our team is ready to further improve and "space-harden" our IDRS design to support space missions in a commercial LEO satellite operation in the foreseeable future. "

Inmarsat is similarly excited about the IDRS development. Peter Dingley, Vice President Future Government Technologies, Inmarsat Global Government business unit, commented: "The flexibility and reliability of our satellite networks makes them ideal to support LEO missions. Our networks are already trusted by Governments and commerce for safety of life and mission critical communication across the globe. Enabling real time command, control and data links to LEO satellites from our GEO constellation provides them a unique opportunity to increase their value proposition".

"The success of our IDRS experiment is a huge tribute not only to our team but also to our partners especially Inmarsat and NTU. What we must now do is to bring the design to commercial readiness as it will also open up many uncharted market

opportunities for LEO satellite operators and the like," added Dr Colin, Chairman and CEO of Addvalue.

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***About Addvalue (www.addvaluetech.com)***

*Addvalue Innovation Pte Ltd, a wholly-owned subsidiary of SGX Mainboard-listed Addvalue Technologies Ltd (A31), is a leading one-stop digital, wireless and broadband communications technology products innovator, which provides state-of-the-art satellite-based communication terminals and solutions for a variety of voice and IP based data applications.*

*Addvalue is presently a leading global developer and supplier of mobile satellite terminals supporting coverage provided by premier mobile satellite communication system operators. These terminals are an ideal choice for communications in areas around the world where terrestrial networks are non-existent, or ineffective. This is particularly so for maritime communications, which rely almost entirely on satellite communications, where Addvalue's marine communications terminals are well suited.*

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