

New Earth Observation Constellation Will Be Enhanced with Near Real-Time Space Enabled Connectivity

4 November 2018: Addvalue has reached an agreement with a LEO satellite operator to augment and enhance its future multi satellite earth observation constellation with the Inter-Satellite Data Relay System (IDRS™) using Inmarsat's award-winning, global L-band network.

The use of IDRS™ in support of this constellation will facilitate the delivery of high quality, cost effective imagery on a global basis within very short intervals. This will provide a highly flexible and responsive service that will enhance existing and support new users that require Earth Observation imagery.

IDRS™ enables access to on-demand, 24/7, near real-time, two-way IP-based links to the customer's entire constellation on a global basis. This will allow a response to customer requirements and to operational anomalies in a timelier manner rather than being constrained by only having line-of-sight terrestrial ground stations.

Addvalue has worked with Inmarsat to develop a 985g terminal suitable for deployment on a wide range of satellites, even down to small satellites within the sub-50 kg class.

The Addvalue terminal on board the satellite will communicate to its operations centre via Inmarsat's award-winning global L-band network. The highly reliable geostationary network provides a secure, mature and affordable commercial service which is uniquely suited to delivering IDRS™ – a cost effective, low-latency, on-demand data communications system with global coverage – that is available today to support LEO satellite missions. The combination of lightweight and small form factor on-board equipment plus low cost makes the system ideal for carrying out telemetry, tracking, and command (TT&C) communications and mission tasking, receiving mission data monitoring, trouble-shooting and restoring operations.

Dr Colin Chan, Chairman and CEO of Addvalue, commented: "We are truly pleased to announce the signing of another IDRS contract with a satellite constellation operator. We believe their use of IDRS, with its unrivalled communications capability, will significantly improve the operational efficiency of their multi-satellite LEO constellation. This contract

reaffirms the unique value of IDRS™ and we strongly believe IDRS™ will continue to disrupt the way future commercial and research LEO satellite constellations are operated. We are fully committed to ensuring its successful delivery as we continue to grow our IDRS™ customer base”.

Todd McDonell, President of Global Government at Inmarsat, said: “Our IDRS™ service is gathering momentum and we are delighted that the operator of this new constellation has chosen to utilise our global L-band service as a communications backbone to their constellation. IDRS™ is uniquely placed to providing space enabled broadband for LEO operators as we are the only geostationary L-band operator with global coverage that can provide such a service today”.

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For further information

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About Inmarsat

Inmarsat plc is the leading provider of global mobile satellite communications services. Since 1979, Inmarsat has been providing reliable voice and high-speed data communications to governments, enterprises and other organizations, with a range of services that can be used on land, at sea or in the air. Inmarsat operates around the world, with a presence in the major ports and centres of commerce on every continent. Inmarsat is listed on the London Stock Exchange (ISAT.L). For more information, please visit www.inmarsat.com. The Inmarsat press release newsfeed and corporate updates are on [@InmarsatGlobal](https://twitter.com/InmarsatGlobal).

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.