

FOR IMMEDIATE RELEASE

A REVOLUTION IN LEO SATELLITE CONNECTIVITY

ADDVALUE AND CAPELLA MOVE A STEP CLOSER TO LAUNCHING THE FIRST SATELLITE EQUIPPED WITH ADDVALUE'S "ALWAYS-AVAILABLE" COMMUNICATIONS SOLUTION FOR ENHANCED LEO CONSTELLATION MANAGEMENT

Singapore, 22 October 2019 - Addvalue Innovation Pte Ltd, a wholly-owned subsidiary of SGX Mainboard-listed Addvalue Technologies Ltd ("**Addvalue**"), today announced the delivery of the first flight model of the company's groundbreaking Inter-satellite Data Relay System ("**IDRS**") terminal to Capella Space ("**Capella**"). Addvalue's IDRS™ system, developed in tandem with Inmarsat, features Addvalue's proprietary technology, which provides the world's first commercial on-demand, real-time connection for LEO satellites. This is a significant milestone on the road to next-generation LEO satellite constellation operations.

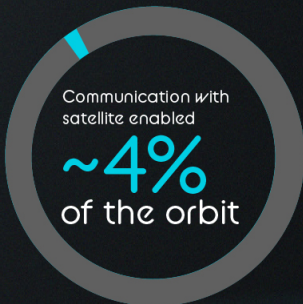
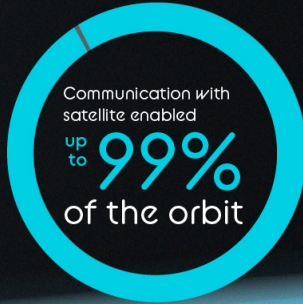
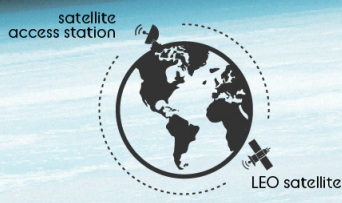
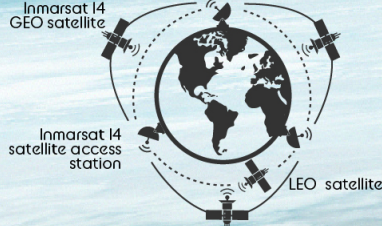

The partnership between Addvalue, Capella and Inmarsat is powered by Inmarsat's award-winning global L-band network. The three companies are working towards outfitting Capella's constellation of 36 small LEO SAR satellites with Addvalue's IDRS terminals, thereby enabling two-way, secure and always-on IP-based connectivity. *"Inmarsat has a 40 year heritage in providing real-time global communications to customers using land, air and maritime assets,"* noted **Nick Shave, VP of Strategic Programmes at Inmarsat**, *"and we are excited to see Capella Space become the first smallsat customer to augment and enhance their operational capability by leveraging Inmarsat's L-band service in a new market."* Within the commercial LEO satellite market, traditional communications technology allows operators to communicate with their satellites during approximately 4% of the orbit, whereas the addition of the Addvalue IDRS terminal will enable communications for virtually 99% of the orbit. This is not an incremental difference, as commercial operators will now have the option to leverage nearly constant communication with their LEO satellites.

When Capella completes the launch of their first commercial LEO satellite fitted with this terminal in early 2020, it will not only be a communication advancement, it will

also be a revolutionary step for the commercial imagery market. The IDRS terminal will drastically reduce the time required for Capella’s customers to order and receive delivery of high-resolution imagery from anywhere in the world. **Payam Banazadeh, CEO and Founder of Capella** commented, *“With Addvalue terminals, Capella will be the first satellite imagery provider with real-time tasking. Capella’s mission is centered upon transformative delivery of earth imagery, fueling real-time global insights. The satellite communication expertise that Addvalue and Inmarsat offer perfectly complement this mission; and we are excited about today’s milestone and our upcoming launch.”* Payam continued, *“Subsequent to the successful delivery of this first flight model, Capella has given the go ahead to Addvalue for the fabrication and supply of the next 6 flight units to be delivered in early 2020.”*

A revolution in LEO satellite connectivity

Addvalue’s Inter-satellite Data Relay System (IDRS™) Communication Solution Enables World’s First Commercial On-Demand Real Time Connection for LEO Satellites

WITHOUT IDRS SATELLITE COMMUNICATION SOLUTION	WITH IDRS SATELLITE COMMUNICATION SOLUTION
 <p style="text-align: center;">Communication with satellite enabled ~4% of the orbit</p>	 <p style="text-align: center;">Communication with satellite enabled up to 99% of the orbit</p>
 <p style="text-align: center;">satellite access station LEO satellite</p>	 <p style="text-align: center;">Inmarsat I4 GEO satellite Inmarsat I4 satellite access station LEO satellite</p>
<p>LEO Satellites orbit the earth every ~90 mins, and are in contact with their ground station for about 4% of the orbit.</p>	<p>LEO satellites are nearly always visible to Inmarsat’s I4 GEO constellation. With the IDRS solution they can relay communications through the Inmarsat network allowing them to be in contact with the ground over 80-99% of the time (depending on orbital parameters).</p>
	

For Addvalue, today's announcement marks the culmination of more than 5 years of development, technology demonstration, and product qualification. **Dr Colin Chan Kum Lok, Addvalue's Chairman and CEO**, remarked, *"The successful delivery of the first flight IDRS terminal to Capella Space is a major accomplishment in Addvalue's history. Over the last twenty-five years, Addvalue has been at the forefront of communication technologies. It is with great pride that we announce this very significant milestone, which marks the commencement of our IDRS system commercialization."* The company offers both IDRS hardware as well as airtime service to its customers, as an airtime distribution partner for Inmarsat's L-band network within the LEO satellite market. *"What we are offering is truly unique, and we look forward to exploring the many ways in which this technology can transform the market."*

About Addvalue Innovation

Addvalue Innovation Pte Ltd, a wholly-owned subsidiary of SGX Mainboard-listed Addvalue Technologies Ltd (A31), is a leading satellite-based communication solutions company. Addvalue provides state-of-the-art communication terminals for use in space, in the air, at sea and on the ground. The company also offers extensive engineering and integration services to its customers. Addvalue's expertise extends far beyond where the world's terrestrial networks end. Whatever the market or application, the company's wide range of satellite-based products and services is sure to offer the right technology to drive enhanced connectivity. Learn more at www.addvaluetech.com.

About Capella Space

Capella Space is an information services company that provides Earth observation imagery on demand. Through a constellation of micro-satellites, Capella is democratizing access to timely and reliable information affecting dozens of industries. Capella's high-resolution synthetic aperture radar (SAR) satellites are matched with unparalleled infrastructure to deliver global insights at a click to improve patterns of commerce, conservation, and well-being on Earth. Learn more at www.capellaspace.com.

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). Learn more at www.inmarsat.com.

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