Analytical Space leverages groundbreaking IDRS™ technology from Addvalue and Inmarsat to enable new space data transport architectures

CAMBRIDGE, Mass., USA, 29 January, 2021:-- Analytical Space, Inc. (ASI) announced today a key new partnership with Inmarsat, the world leader in global, mobile satellite communications and Addvalue Innovation Pte Ltd, a wireless and broadband communications technology innovator. This new collaboration will enable ASI to leverage unique aspects of the Inmarsat and Addvalue network ecosystems, and will be an important enabler in ASI's rollout of its Fast Pixel Network™.

The Fast Pixel Network is a data transport satellite network in low Earth orbit that ingests data from Earth observation satellites, routes that ingested data from node to node via high speed optical intersatellite links and downlinks that data in near real time to government and commercial consumers.

This partnership with Inmarsat and Addvalue will open additional communications pathways between the Fast Pixel Network's Earth observation constellation customers based in low Earth orbit and Inmarsat's communication satellite network in geostationary orbit - without the need for those constellation operators to change their existing hardware architectures.

Additionally, Analytical Space's Fast Pixel Network satellites will benefit from the "always-on" telemetry, tracking, and control (TT&C) capabilities delivered by Addvalue's proprietary Intersatellite Data Relay System (IDRS) technology. This capability will ensure that Analytical Space's constellation is always poised to serve customers with TT&C data relay.

ASI's Chief Executive Officer, Dan Nevius, hailed ASI's new partnership as a pivotal enabler for ASI's data transport network. "The GEO-link IDRS service provided by Addvalue and Inmarsat is a perfect capability complement to the ASI Fast Pixel Network in LEO," said Mr. Nevius. "By building in compatibility between our two networks we can collectively provide a real-time telemetry, tracking, and control link into Earth observation satellites through the IDRS solution and a high throughput, low-latency link back to the ground for imagery downlink through the ASI Fast Pixel Network. Having real-time access to our own network nodes also allows us to improve the performance of the Fast Pixel Network through more efficient coordination with client satellites and routing of data through the network."

"Dr Colin Chan, Addvalue Chairman and CEO commented: "Real-time in-orbit connectivity is an exciting growth market for Addvalue and we are delighted that ASI has placed an initial order to use our IDRS solution in their new Fast Pixel Network. LEO satellite operators are focused on the timely delivery of their images. Working together - ASI, Addvalue and Inmarsat – will meet that need by providing an extremely low latency image delivery path from their LEO satellites. With IDRS as an integral part of their Fast Pixel network, ASI will have an always available and real-time link to manage its operations. We are pleased that Addvalue will play an integral part in ASI's offering of extremely low latency of satellite imagery delivery. This partnership with ASI will also allow Addvalue to reach out to

in-orbit satellites not equipped with IDRS hardware, thereby allowing the wider community of satellite operators to benefit from the IDRS solution and expanding our market outreach."

Todd McDonell, President Inmarsat Global Government, said: "The burgeoning low Earth orbit satellite market has opened up opportunities for far more prolific access to satellite imagery for the government and commercial sectors. With this demand in mind, we have worked with Addvalue to develop IDRS, which is a solution that addresses the issues with low Earth orbit satellite service blackout zones and real-time management and control. We are thrilled that our geostationary L-band network, combined with Addvalue's IDRS capabilities, can facilitate seamless and near real time communications links to ASI to enable improved performance over their Fast Pixel Network."

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About Analytical Space

Analytical Space is deploying the Fast Pixel Network™ – a network of data relay satellites in low Earth orbit that will provide high throughput, low latency, path diverse downlink of data from remote sensing satellites. Today, no network exists to connect commercial and government GEOINT collection platforms in LEO through one network for delivery to end users on the ground. Through its network, ASI will enable satellite operators to deliver more data faster to end users in near real time, without altering their existing communications hardware. By closing the connectivity gaps in orbit, ASI's network will unlock new possibilities for innovation in space, enable insights to optimize the global economy, and help us understand our planet like never before. Learn more at analyticalspace.com and via this video.

About Inmarsat

Inmarsat is the world leader in global, mobile satellite communications. It owns and operates the world's most diverse global portfolio of mobile telecommunications satellite networks, and holds a multi-layered, global spectrum portfolio, covering L-band, Ka-band and S-band, enabling unparalleled breadth and diversity in the solutions it provides. Inmarsat's long-established global distribution network includes not only the world's leading channel partners but also its own strong direct retail capabilities, enabling end to end customer service assurance.

The company has an unrivalled track record of operating the world's most reliable global mobile satellite telecommunications networks, sustaining business and mission critical safety & operational applications for more than 40 years. It is also a major driving force behind technological innovation in mobile satellite

communications, sustaining its leadership through a substantial investment and a powerful network of technology and manufacturing partners.

Inmarsat operates across a diversified portfolio of sectors with the financial resources to fund its business strategy and holds leading positions in the Maritime, Government, Aviation and Enterprise satcoms markets, operating consistently as a trusted, responsive and high-quality partner to its customers across the globe.

For further information, follow us: Twitter | LinkedIn | Facebook | YouTube | Instagram.

About Addvalue

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. Learn more at www.addvaluetech.com.