

JOINT PRESS RELEASE



GateHouse SatCom and Addvalue to co-build the world's game-changing first 5G Narrow Band-IoT satellite terminal

Aalborg, 18 March 2021 - Space Narrow Band (NB)-Internet-of-Things (IoT) will disrupt the IoT market. As of 1 January 2021, more than 1,900 SmallSats have been launched, and the number is expected to grow rapidly within the years to come. To meet the anticipated future connectivity demands of such a growing market, GateHouse SatCom (a subsidiary of GateHouse) and Addvalue Innovation (a subsidiary of Singapore Exchange Mainboard-listed Addvalue Technologies) will jointly develop the world's first 5G NB-IoT satellite communication terminal ("5G NB-IoT Satcom Terminal") for collaboration with companies that aspire to take advantages of the fast growing 5G satellite systems.

Standardization in the satellite IoT market will be a key factor in achieving a sustainable business in the satellite communication market. The 5G NB-IoT Satcom Terminal, based on the 3rd Generation Partnership Project (3GPP) standards, will be fully functional with all 5G satellite networks worldwide. The standardization will drive scalability and globalization of satellite communication in the future, thereby allowing operators to move their focus from technical challenges towards their core business and in providing improved services to their customers. The availability of standardized solutions, apart from supporting the scalability of business, will, both in the short-term and the long-term, help to save cost and rid the hassle of low or no coverage.

GateHouse SatCom, a company rich with proven track records of satellite communication protocols, is well poised to build space-based 5G NB-IoT solutions that end-users can look forward to seamless IoT and M2M solutions for monitoring, surveillance and control of equipment and installations in a variety of applications such as agriculture, transport, offshore, and oil and gas.

Addvalue Innovation, an expert on bespoke design of terminal hardware and connectivity solutions, provides integrated innovative satellite communication solutions across land, aviation, maritime and space segments. For example, it has fully certified and type approved IP-based satellite communication solutions for fishery regulatory authorities to monitor fishing vessels at sea and for Low Earth Orbit (LEO) satellite operators' to have on-demand and timely connection with their assets in space.

Mr Thomas Scott Jensen, Senior Vice President for GateHouse SatCom, in expressing his confidence of the prospects of the 5G NB-IoT Satcom Terminal, explained that: *"To secure a lead position and really profit from the introduction of satellite 5G, one needs to get ready now to be among the first to introduce the new groundbreaking technology to one's customers. The NB-IoT software solution, envisioned by GateHouse SatCom for non-terrestrial coverage, has the advantage of being based on a standard that can be applied to any satellite system conveying the same."* He added that: *"Paired with the standard 3GPP software protocols developed by GateHouse SatCom and the satellite terminal technology developed by Addvalue*

Innovation, the resultant 5G NB-IoT Satcom Terminal stands to benefit greatly from the revolutionizing change expected to befall on the entire satellite communication industry with the soon expected roll-out of 5G for non-terrestrial networks.”

Mr Tan Khai Pang, CTO/COO of Addvalue Innovation, commented that: *“The confluence of AI technologies and 5G connectivity is destined to be an age of boundless smart and autonomous applications. Space-based 5G NB-IoT will play a significant role in such an exciting era and we have to be ready for it.”* He added that: *“This collaboration with GateHouse is based on our long-standing relationship since 2002. Through this collaboration, we look forward to bringing our connectivity for IoT to a whole new level and be future-proof to open up tremendous business opportunities in a plethora of IoT applications that are not yet currently economically realizable”.*

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About GateHouse SatCom (www.gatehouse.com)

For more than 20 years GateHouse SatCom has provided the satellite communications industry with a range of market-leading software products for commercial, government and military use. GateHouse SatCom offers certified satellite communication and test solutions for software, hardware, and system integration. Since 2019 a significant part of our work has been dedicated to 5G satellite IoT and M2M development in cooperation with international partners.

GateHouse SatCom is a subsidiary of GateHouse Holding, headquartered in Denmark, and which also holds the subsidiaries GateHouse Maritime and GateHouse Igniter.

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About Addvalue Technologies Ltd (www.addvaluetech.com)

Addvalue Technologies Ltd (A31), a SGX Mainboard-listed, 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.

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