2operate selected as the supplier of OSS to Thales Alenia Space for its Bangabandhu satellite project

Aalborg, Denmark – 22nd November, 2016 - 2operate announced today that it has signed a contract with Thales Alenia Space Spain to provide its award-winning Network Assurance solution, 2solve, for the Bangabandhu satellite network. Bangabandhu, named after the famous Nation's father of Bangladesh, will be the first Bangladeshi geostationary satellite communications network and it will be operated by the Bangladesh Telecommunication Regulatory Commission (BTRC).

2operate has been selected as the supplier of an Operations Support System (OSS) component for Bangabandhu based on the award-winning 2solve platform. 2solve helps network operators to establish efficient work processes in Customer Support and Network Operations. In this project, 2solve will cover trouble ticketing, configuration management, service availability management, as well as work planning and scheduling. 2solve, the leading Network Assurance solution uses advanced algorithms to boost productivity in the network operations organization.

"*We are very proud of this contract. It demonstrates that 2solve has a great potential also outside traditional mobile networks.*" said Lars Moltsen, Chief Science Officer and Founder of 2operate. "*Thales Alenia Space has been our partner in the space industry for many years, and we are looking much forward to extending collaboration by this project.*"

"*We have worked with 2operate in a number of projects before, and it looks like there are excellent synergies between the technical skills of our teams. It will be a great pleasure for us to continue great collaboration in this new venture.*" said Miguel Sempere, Program Office Manager, Thales Alenia Space Spain.

The first Bangladeshi communications satellite, Bangabandhu-1, based on Thales Alenia Space's Spacebus 4000B2 platform, will carry 26 Ku and 14 C-band transponders in order to provide telecommunications services to remote and rural areas. These services will be provided not only in Bangladesh but also the Bay of Bengal, India, Nepal, Bhutan, Sri Lanka, the Philippines and Indonesia[1]. According to Bangladeshi officials[2], the project will save money for the existing national users of satellite services, government and enterprise alike and create new services for the different types of users.

The launch is scheduled to take place in 2017, and the satellite is expected to be located at 119.1° East longitude geostationary slot.

2operate has been working in a number of ESA (European Space Agency) projects before. In 2011-2012, 2operate participated in a project named "*Efficient Networking and MAC Techniques*"[3] with the target of developing new, satellite-based internet services while at the same time reducing the cost of such. In 2014-2016, 2operate

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1 Source: http://spacenews.com/bangladesh-taps-thales-alenia-space-to-build-first-telecom-satellite

2 Source: http://en.ntvbd.com/bangladesh/12309/Bangabandhu-satellite-equipment-purchase-deal-signed

acted as the project manager of the "*ETSACO*"[4] project with the aim of identifying reusable concepts from terrestrial telecommunications, in particular Internet-of-Things (IoT), to the satellite industry.

About 2operate

2operate simplifies Network Assurance in several countries across and outside of Europe. We have developed an Operations Support System (OSS) solution including 'an artificial brain' for automated diagnostic reasoning inspired by methodology from the medical domain. Using 2solve, an organization is able to advance its productivity by allowing both front and back office staff to understand the network better. 2operate has established itself as an innovative solution provider in the OSS and Network Assurance market. Based in Aalborg, Denmark which has been a center of telecom innovation since the first generation of mobile communications, 2operate, together with its customers, constantly seeks efficiency and simplicity in network operations.

For more information, please visit www.2operate.com or contact:

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About Thales Alenia Space

Thales Alenia Space brings over 40 years of experience to the design, integration, testing and operation of innovative space systems for telecommunications, navigation, Earth observation, environmental management, exploration, science and orbital infrastructures. A joint venture between Thales (67%) and Leonardo-Finmeccanica (33%), Thales Alenia Space also teams up with Telespazio to form the parent companies' "Space Alliance", which offers a complete range of services and solutions. Thales Alenia Space has built up unrivaled expertise in dual (civil-military) missions, constellations, flexible high-throughput payloads, altimetry, meteorology, and high-resolution radar and optical observation, as well as space exploration. The company capitalizes on its strong legacy, while also making innovation a key to its strategy. By offering a continuous stream of new products and expanding its global footprint, Thales Alenia Space has established its leadership in today's fast-evolving space sector. Thales Alenia Space posted consolidated revenues exceeding 2.1 billion euros in 2015 and has 7,500 employees in nine countries.

For more information, please visit www.thalesgroup.com.

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3 About *Efficient Networking and MAC Techniques*: https://artes.esa.int/projects/efficient-networking-and-mac-techniques-next-generation-interactive-broadband-satellite

4 About *ETSACO*: https://artes.esa.int/projects/etsaco