

## **2operate will lead an ESA project to bring new innovation to satcom**

**Aalborg, Denmark, 16 October, 2014** – 2operate, Thales Alenia Space España, and TELE Greenland today announced that they have signed a contract with European Space Agency (ESA) for a project to bring relevant technology, standards, and concepts from terrestrial mobile telecommunications to satellite-based telecommunications. The project was officially kicked off on 1 October when experts from the three consortium members presented initial ideas at ESA's premises near Amsterdam in the Netherlands.

Satcom is expected to play a significant niche role in securing global coverage and certain broadcasting services in future telecommunications systems. Due to its smaller size of satcom compared to terrestrial telecoms, however, the amount of brain power spent in developing concepts and technology is limited. The new project will ensure that relevant research and innovation from terrestrial mobile communications is adopted by the satcom industry. The consortium will systematically screen terrestrial telecommunications for opportunities where satcom will benefit, including preparations of roadmaps and actions on how to make it happen.

*"We are very proud as a consortium to be selected by ESA to execute this project where we know that competition was tough." said Lars Moltzen, CEO at 2operate. "The three partners together provide a strong mix of insight and experience in both terrestrial and satellite-based telecommunications, spanning operations as well as development of hardware and software. Our focus in the project is to reduce the cost of each transmitted bit in a satcom system by exploiting available concepts and technology faster. We hope that this will help enabling more people around the World to take advantage of basic and advanced telecommunications services".*

The project, which is planned to be completed in 15 months, will be the first time TELE Greenland is assigned a contract with ESA, whereas it will be the third time 2operate works in an ESA project. It will be first time, however, that 2operate will lead a project of this size. Thales Alenia Space has a long track record of collaboration with ESA.

### **About 2operate**

In 2013, 2operate was celebrated as Europe's most innovative provider of Operations Support Systems (OSS) in market research by leading analyst firm, Frost & Sullivan. 2operate provides a unique OSS solution taking advantage of advanced mathematics for automated diagnostic reasoning on network elements. This, along with a one of the most friendly user interfaces in the market, enables technical and non-technical staff in the network operator organisation to understand raw network data which would otherwise require an engineering background.

2operate is based in Aalborg, Denmark. It was founded in 2009 by a team of experienced telecom executives and software experts to commercialize IPR developed under two European research projects on network automation. 2operate

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builds upon a strong combination of core technical skills and telecommunications business processes understanding.

Read more at: [www.2operate.com](http://www.2operate.com)

### **About TELE Greenland International**

TELE Greenland International is based in Copenhagen, Denmark, and belongs to the TELE Greenland A/S group, wholly owned by the Government of Greenland.

TELE Greenland A/S covers a population of 56,000 scattered over thousands of kilometres, providing telecommunications, IT and postal services. Even the smallest village has radio, TV and a telephone link to the outside world, and all settlements with a population of more than 70 have broadband Internet and GSM mobile phone service.

TELE Greenland A/S employs approximately 460 staff. The head office is in Nuuk, and we have divisions in every town in Greenland.

Read more at: [www.telepost.gl](http://www.telepost.gl)

### **About Thales Alenia Space España**

Thales Alenia Space España is a Spanish subsidiary company of Thales Alenia Space. It is a global leader in S-band tracking, telemetry, and command (TT&C) data communications equipment, and a recognized supplier of radio-frequency equipment. Thales Alenia Space España is a pioneer in on-board data processing (OBP) solutions for advanced multimedia payloads, digital equipment for data handling, and optical observation instrument electronics.

Thales Alenia Space has participated in more than 500 satellites to date (of which 390 satellites still in orbit), with applications including telecommunications, optical and radar Earth observation, science, exploration, navigation and space infrastructure.

Read more at: [www.thalesgroup.com/en/spain/what-we-do/space](http://www.thalesgroup.com/en/spain/what-we-do/space)

### **About ESA**

The European Space Agency (ESA) is Europe's gateway to space. Its mission is to shape the development of Europe's space capability and ensure that investment in space continues to deliver benefits to the citizens of Europe and the world.

ESA is an international organisation with 20 Member States. By coordinating the financial and intellectual resources of its members, it can undertake programmes and activities far beyond the scope of any single European country.

Read more at: [www.esa.int](http://www.esa.int)

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