Eutelsat commissions ELO, its first low earth orbit satellite designed for the Internet of Things

IoT specialist Sigfox to partner with Eutelsat for data analysis

Paris, 8 March 2018 – Eutelsat Communications (NYSE Euronext Paris: ETL), one of the world's leading satellite operators, has commissioned a nano-satellite from manufacturer Tyvak International SRL, a subsidiary of Terran Orbital Corporation, a leading aerospace provider of nanosatellite and microsatellite vehicles and services. *Eutelsat LEO for Objects* (ELO) will be used to assess the performance of low earth orbit (LEO) satellites in providing narrowband connectivity for objects. The satellite operator will be drawing on the technology of Sigfox, which runs a unique global narrowband network dedicated to the IoT.

Low earth orbit is particularly well-suited to narrowband connectivity for objects. It offers a satellite link anywhere in the world, is complementary to terrestrial IoT networks, and does not impact the cost or the energy consumption of the objects. ELO, scheduled for launch in 2019, will backhaul information from objects located in areas that are not served by terrestrial networks and offer redundancy on existing terrestrial network coverage.

Sigfox will work with Eutelsat on two aspects: analyse the spectrum used by the satellite in ISM[1] frequency bands; and process data from objects. ELO will also test connectivity in other frequency bands. The synergies developed through the partnership with Sigfox, as well as with other strategic alliances in the telecom industry, should open up new opportunities for Eutelsat in this fast-growing market.

Jean-Hubert Lenotte, Chief Strategy Officer at Eutelsat, commented: "*With the expansion of the Internet of Things, new services are being developed in a wide range of sectors including smart cities, the mining industry, agriculture and logistics. We are delighted to be exploring new avenues through the development of this nano-satellite, which once again demonstrates the intrinsic complementarity between terrestrial networks and satellite technology. By analysing the compatibility of LEO and connected objects, and working with recognised partners in the*

[1] Industrial, Scientific and Medical

field, Eutelsat aims to provide an innovative solution which will meet the needs of future clients."

How does it work?

Located on a sun-synchronous orbit between 500 and 600 km in altitude, the satellite will collect data from connected objects across the globe equipped with the same omni-directional antennas already used by terrestrial IoT networks. Data will then be transmitted daily to a ground station located on Svalbard, a Norwegian archipelago in the Arctic Ocean.

About Eutelsat Communications

Founded in 1977, Eutelsat Communications is one of the world's leading satellite operators. With a global fleet of satellites and associated ground infrastructure, Eutelsat enables clients across Video, Data, Government, Fixed and Mobile Broadband markets to communicate effectively to their customers, irrespective of their location. Over 6,800 television channels operated by leading media groups are broadcast by Eutelsat to one billion viewers equipped for DTH reception or connected to terrestrial networks. Headquartered in Paris, with offices and teleports around the globe, Eutelsat assembles 1,000 men and women from 44 countries who are dedicated to delivering the highest quality of service. Eutelsat Communications is listed on the Euronext Paris Stock Exchange (ticker: ETL).

For more about Eutelsat visit www.eutelsat.com

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About Sigfox

Sigfox is the world's leading IoT service provider thanks to its global network that connects billions of devices to the Internet while consuming as little energy as possible, as simply as possible. Sigfox's unique approach to device-to-cloud communications addresses the three greatest barriers to global IoT adoption: cost, energy consumption, and global scalability.

Today, the network is present in 45 countries and on track to cover 60 by 2018. With millions of objects connected and a rapidly growing partner ecosystem, Sigfox empowers companies to move their business model towards more digital services. Founded in 2010 by Ludovic Le Moan and Christophe Fourtet, the company is headquartered in Labège near Toulouse, France's "IoT Valley". Sigfox also has offices in Paris, Madrid, Munich, Boston, San Francisco, Dubai, Singapore, Sao Paulo and Tokyo.

For more information on Sigfox please visit our corporate website or find us on Twitter or LinkedIn.

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About Terran Orbital

Terran Orbital is a leading aerospace provider of nanosatellite and microsatellite vehicles, services, and solutions. Terran Orbital develops advanced technological solutions for customers focused on achieving

leading edge space-based results. Through our Tyvak brands, based in the U.S. and Europe, Terran Orbital partners with customers to produce advanced mission solutions at industry leading turn-times and price-points.

For more about Tyvak visit www.tyvak.eu