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Telespazio and Viesgo join forces for a space-based solution for early fire detection

- **Telespazio Ibérica will lead the implementation of a space-based early fire detection solution in the high and medium voltage distribution network of Viesgo**
- **The solution will use data from NASA's satellite to generate alerts to detect active fire outbreaks 24 hours a day**
- **The project will bring benefits not only to the networks and electricity supply, but also to the environment and its biodiversity**

Telespazio Ibérica, a subsidiary of Telespazio - a joint venture between Leonardo (67%) and Thales (33%) -, will provide Viesgo, a key player in Spain's energy transition and the fourth largest electricity distributor in the Country, with a space-based solution for early fire detection for its high and medium voltage distribution network.

The project, in which e-GEOS, a Telespazio (80%) and Italian Space Agency/ASI (20%) company, Satlantis and Ferchau are also involved, covers the entire life cycle of the solution, from design and validation to support and maintenance.

The innovative solution provided by Telespazio Ibérica will offer early fire detection services for Viesgo's network of more than 31,000 km in the northwest of Spain. The solution is based on ESRI's ArcGIS technology and will use data from NASA's satellite to generate alerts to detect active fire outbreaks, providing information on the most accessible routes to them by sending alerts 24 hours a day, automatically and continuously. In addition, it will support the management of preventive measures against fires in maintenance tasks on distribution lines, providing information about the risk of fire in the area of interest.

Fires are a serious environmental, economic, and social problem that generates constant alarm in Spain, and it is necessary to control their extent, frequency and intensity. The million hectares that have been devastated in the country in the last decade have caused significant social damage, ecological effects, alterations in the hydrological cycle and a clear economic drain. Spain, like other countries in the Mediterranean region, is particularly vulnerable to climate change, given the scenario of droughts and desertification in which it finds itself.

For this reason, the project will bring benefits not only to the networks and electricity supply, but also to the environment and its biodiversity, a fundamental objective of Viesgo's plan, in line with the Sustainable Development Goals (SDGs) established by the United Nations in its 2030 agenda.

Both companies Viesgo and Telespazio have integrated innovation and sustainability into their business processes and seek to jointly promote the construction of a sustainable world for all, offering significant and innovative technological solutions that are committed to a better future.

"There is a lot of work to be done in the field of fire prevention and warning, but this type of solution shows us that we are on the right track, collaborating in the preservation of the environment through a technology that can be scaled to an infinite number of projects", has declared **Carlos Hernández Medel**, Commercial Director of Telespazio Ibérica.

About Telespazio

Telespazio, a Leonardo and Thales 67/33 joint venture, is one of the world's leading operators in satellite services. Its activities range from the design and development of space systems to the management of launch services, from in-orbit satellite control to Earth observation, from integrated communications, satellite navigation and localisation services to scientific programmes. Telespazio plays a leading role in the reference markets harnessing technological experience acquired over the years. Since its establishment, the company has participated in major European space programmes such as Galileo, EGNOS, Copernicus and COSMO-SkyMed. In 2020, Telespazio generated sales of EUR 540 million while employing 3,000 people in nine countries. www.telespazio.com

The company has been in Spain since 2008 through its subsidiary Telespazio Ibérica. The subsidiary has a strong expertise in the field of geoinformation and satellite navigation, being a reference in the sector with more than 35 years of experience in these fields. www.telespazio.es

Telespazio Ibérica press contact: marketing@telespazio.es

About Viesgo

Viesgo is an electricity distributor belonging to EDP, a company that, in Spain, distributes electricity to more than 1,366,000 customers and has a distribution infrastructure of 52,200 kilometers of network in the regions of Asturias, Cantabria, Galicia, northern Castilla y León, Aragón, Catalonia, Madrid and Valencia.

It focuses its efforts on providing the best service and the most appropriate attention to its customers, a commitment reflected in the high reliability of the network and the excellent quality of supply it offers.

<https://www.viesgo.com/es/>

Viesgo press contact: viesgo.gabinetedeprensa@viesgo.com