

## **THE INDRA FAEDO FIRE ALERT SYSTEM AGAINST FOREST FIRES PROTECTS THE RETÍN SIERRA IN CÁDIZ**

- **This system enables early identification and location of fire outbreaks, thereby facilitating their fast extinction**
- **The solution has a range of up to 20 kilometers and operates around the clock**
- **The company has already deployed the same technology to protect forests in Spain and Bulgaria**

**Madrid, November 24, 2016.-** Indra, one of the leading global consulting and technology firms, has installed the FAEDO forest fire surveillance system in the area of Retín, in Cádiz. The Spanish Navy confided in the company the deployment of this solution to guarantee compliance of its training field in this region with environmental impact and safety requirements.

The technology has installed six automated surveillance points and a control center. Each point is equipped with thermal sensors capable of obtaining precise temperature measurements at distances of up to 20 kilometers.

The core of this Indra system is based upon a sophisticated algorithm that, developed and refined by its engineers over the years, allows for differentiating between small fires and false alarms generated by heat sources that do not entail risk.

These fires are detected as soon as they start, generating an alert that is immediately presented to the command center operator. Using both, day and night cameras, the fire is verified and its exact location is identified on a detailed, 3D model of the terrain. Therefore, the situation is evaluated for decision-making as regards the resources to use and the optimal route for reaching that point.

Efficiency and speed in the extinction minimize environmental impact. The Retín Sierra is protected using FAEDO year-round, twenty-four hours per day, and also during low-visibility conditions.

In addition to detecting fire hot spots, the system allows for monitoring their progress and controlling extinction-related tasks. It offers tools for knowing the location of deployed trucks and resources and for identifying water collection points.

Once the fire is extinguished, all of the data generated by each alert allows for defining the coordinates of the outbreak, for investigating its causes and analyzing extinction task efficiency.

FAEDO has proven its usefulness for protecting natural settings in Spain and Bulgaria, and the solution is sparking international interest.

### **About Indra**

Indra is one of the main global consulting and technology companies and the technology partner for core business operations of its clients businesses throughout the world. It offers a comprehensive range of proprietary solutions and cutting edge services with a high added value in technology, which adds to a unique culture that is reliable, flexible and adaptable to its client's needs. Indra is a world leader in the development of comprehensive technological solutions in fields such as Defense & Security, Transport & Traffic, Energy & Industry, Telecommunications & Media, Financial Services and Public Administrations & Healthcare. Through its Minsait unit, it provides a response to the challenges of digital transformation. In 2015 it reported revenues of €2,850m, had a workforce of 37,000 professionals, a local presence in 46 countries, and delivered projects in more than 140 countries.