

Demonstration on the Aracnóptero's Wind Turbine Inspection Abilities

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Iberdrola/DICYT Today, in the Salamanca-based Sierra Dueña Wind Park, the companies Iberdrola and Arbórea have presented its Aracnóptero Eol6, created to perform inspection and maintenance tasks for wind turbines, among other types of electricity facilities. During the presentation, a demonstration of the operation of this foldable, multi-rotor helicopter was held, which has been designed and developed by the Salamanca-based company, Arbórea. An inspection of the Wind Turbine was performed and the information capture was shown through the procedure.

The aracnóptero forms part of the main initiatives of Arbórea Intellbird, which is located in the University of Salamanca's Science Park. It allows for, along with its associated software platform, an increase in inspection and maintenance efficiency, which reduces downtime, obtaining a level of detail superior to traditional inspection methods, according to information related to renewable energy companies provided to DiCYT.

Thanks to this project, Iberdrola could considerably reduce the time required to inspect the machines in their wind parks, also improving their reliability, currently one of the imperative objectives in the wind energy industry.

This complex has been developed in the emblematic Sierra Dueña Wind Park, about 40 kilometres away from Salamanca. These facilities, the only one that belongs to Iberdrola in the Province, has a 31.5 megawatt capacity (MW) and is located between the municipalities of Pedrosillo de los Aires, Frades de la Sierra, Las Veguillas y Membribe de la Sierra. The complex is comprised of 37 wind turbines and a substation where the electricity is harnessed/stored. In addition to the aforementioned demonstration of the aracnóptero, during the event, there was also an organized visit to get to know the specifications and operation of the wind park and its corresponding energy distribution facilities.

Investment in Arbórea Intellbird

Iberdrola and the Centre for Technological Development in Industry (CDTI), an organism of the Ministry of Economy and Competitiveness, signed an agreement last year with Arbórea Intellbird, S.L. in which the entities invested €500,000. It is the first investment that has been made in the area of Energy and Environment under



the INNVIERTE program and means that Iberdrola has become a shareholder through its Perseo funds and also CDTI, with the imperative objective of encouraging the development of this company and strengthening it within its sector.

Arbórea Intellbird, S.L., a firm based in the University of Salamanca's Science Park, is focused on the manufacturing of unmanned aerial vehicles for a wide array of professional uses, among them, the inspection of electricity production and distribution infrastructures.

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