Cepsa Implements Drone Inspections at Industrial Plants

- **This technology can be used to view areas that are difficult to access, increasing both the safety of personnel involved in inspections and efficiency.**
- **Cepsa remains committed to innovation and continuous improvement at the industrial facilities.**

Cepsa's Inspections Area has incorporated the use of aerial and maritime drones at industrial plants as part of its process of continuous improvement, innovation and excellence for services.

Within the Digital Transformation and Technical Excellence Area of Cepsa's Technical Services, the robotization program is outstanding due to the benefits it brings to the processes and services performed by the plant inspections area. Cepsa has been using drones for some time to inspect flares, tanks, marine terminals, and general flights. The use of drones makes it possible to observe with a high level of detail the condition of different elements so that specific actions can be recommended to the Maintenance Area.

The audiovisual material created during these inspections makes it possible to confirm the condition of the facility, including areas that are inaccessible using normal means, thereby reducing the costs and risks of human involvement in this process. The positive results from implementing drones have led to the decision to continue working along this line to increase the capacity, quality, reliability, and safety of inspection services.

Cepsa is therefore testing a service model that consists of having a drone pilot permanently available on the industrial sites, making it possible to incorporate the use of this tool in the annual inspection plans, making it possible to reach a high level of efficiency, greater preventive control, and an increase in the availability of the equipment, as well as greater safety for the assets and people.

The Company's intention is to apply this technology to other areas in the coming years. For now, in addition to industrial facilities, Cepsa plans to use drones for maintenance tasks or shutdowns for monitoring, on wind turbines and photovoltaic plants, in construction and emergency situations, and for 3D recreations, among others.

In addition to the use of this technology, it is necessary to apply the *Artificial Intelligence and Machine Learning* program, a data analysis model that enable the identification of patterns in the variations from a previous inspection, focusing on what is relevant so as to optimize the time spent by Cepsa personnel on going over the audiovisual material created during the inspection.

Cepsa is a global energy and chemical company operating at every stage of the oil and gas value chain. Cepsa also manufactures products from plant-based raw materials and operates in the renewable energy sector. Cepsa has 90 years of experience and a team of over 10,000 employees, who combine technical excellence with adaptability. Cepsa operates on five continents.

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