

Cepsa develops a pioneering digital tool at La Rábida Energy Park to optimize major industrial shutdowns

- **The safety and efficiency of shutdowns is multiplied by simulations generated in advance of the start of shutdowns**
- **This innovative digital application, which has been developed by Cepsa professionals from the Huelva industrial center, will allow all the actors involved to see, one day in advance, the planning for the following day**

Professionals from Cepsa's maintenance area at La Rábida Energy Park in Huelva have developed a digital tool called TA4.0 by Cepsa, which is a revolutionary innovation in the industrial sector. This is a 3D simulation that reproduces all the work to be performed during a real shutdown of a large plant, determining the order in which it should be carried out for optimum duration and safety. The tool uses a 3D digital model of La Rábida Energy Park, connecting it to the system in which Cepsa and its auxiliary company teams enter the list of tasks to be performed when a shutdown is carried out at the plant.

Shutdowns are performed periodically for maintenance, improvement and inspection tasks, in addition to implementing environmental protection and safety improvement projects. The planning and coordination of the departments involved in a shutdown is fundamental. This innovative digital application, which has been developed by Cepsa professionals from the Huelva industrial center, will allow all the actors involved to see, one day in advance, the planning for the following day. In order to know, on the following day, the tasks that can be carried out at the same time, and the defined circulation areas.

Jorge Acitores, director of La Rábida Energy Park, emphasized that "this is the result of years of experience and testing, and of putting to work as a team, in a coordinated manner, colleagues from here, from Huelva, with very different knowledge and skills, who every day show us their high capacity for innovation, continuous improvement and commitment to safety. We now centralize the work of everyone involved in these complex shutdowns with a single tool, and most importantly, we can see what is going to happen in the future as if it were already happening in front of our eyes, allowing us to correct inefficiencies before they occur."

Cepsa already presented this new shutdown management at the 2022 ERTC, "European Refining Technology Conference", held in Lago Maggiore (Italy), to great acclaim in the industry for being the first energy company in the world to implement this technology in its shutdowns. This has generated several visits to the facilities to see the power of our development, with Japanese, American and Dutch companies.



PRESS RELEASE

Cepsa is a leading international company committed to sustainable mobility and energy with a solid technical experience after more than 90 years of activity. The company also has a world-leading chemicals business with increasingly sustainable operations.

In 2022, Cepsa presented its new strategic plan for 2030, Positive Motion, which projects its ambition to be a leader in sustainable mobility, biofuels, and green hydrogen in Spain and Portugal, and to become a benchmark in the energy transition. The company places customers at the heart of its business and will work with them to help them advance their decarbonization objectives.

ESG criteria inspire all of Cepsa's actions as it advances toward its net positive objective. Over the course of this decade, it will reduce our Scope 1 and 2 CO₂ emissions by 55% and the carbon intensity index of our products by 15-20%, with the goal of achieving net zero emissions by 2050.

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