

Cepsa and Montrel are developing a ground-breaking high-performance terminal to manage fuel discharges at service stations

- **The terminal is an innovative system for automatic hydrocarbon unloading, optimizing unloading times and improving operational safety**
- **Both companies have taken out a national copyright patent**
- **Pilot tests are being carried out at four Cepsa service stations in Andalusia and Valencia**

Cepsa and the Montrel Industrial Group have developed a high-performance hydrocarbon Discharge Management Terminal (DMT), the first of its kind in Spain for automatic liquid fuel discharges at service stations and other fuel storage facilities.

This new system features a touchscreen to assist tanker truck drivers in discharging their fuel using a smart local control console, which allows them to complete the task safely and without the aid of service station staff. This in turn reduces the risk of human error and direct contact with the products by professionals.

In addition, the Terminal strengthens discharge process safety measures, thanks to the electronic centralized monitoring and control at each stage of the process: automatic receipt of delivery notes and seal verification/confirmation of all necessary safety actions, with the option for remote supervision from a control center, among others.

The DMT system avoids the risk of contamination between products, as it clearly and safely identifies each hydrocarbon, as well as the volumes loaded into each compartment of the tank, by communicating with a small encapsulated hardware device supplied by Montrel called TAG. This prevents the discharge of products that do not match the storage tanks.

Julio Hernández Penide, Head of Technology in Cepsa's sales department, noted that "after three years of developing the project, we are very proud to finish up the final stage of on-site tests of the system and IT integration, which is yet another milestone in the development of innovation and technology applied to our sector."

Luis A. Víu, CEO of Montrel said: "This innovation represents the culmination and success of the R&D+i work that we have been persistently and tirelessly carrying out in our commitment to innovation and continuous improvement that governs our business activity."

Cepsa and Montrel's commitment to technological innovation has led to this project receiving the national invention patent, since it is the first automatic discharge system of its kind in Spain.

The system is currently undergoing pilot tests at four Cepsa service stations in the regions of Andalusia and Valencia.

Cepsa is a global energy company, which operates in an integrated manner at all stages of the hydrocarbon value chain. In addition to manufacturing products from plant-based raw materials, it also has a presence in the renewable energy sector. Mubadala Investment Company, one of the largest sovereign wealth funds in the world, is the only shareholder.

Cepsa's experience spans more than 85 years, and its team of almost 10,000 professionals offer technical excellence and a capacity for adaptation. It has a presence on all five continents through its business areas of Exploration and Production, Refining, Chemicals, Marketing and Distribution, Gas and Electricity, and Trading.

Montrel is an applied technological and engineering company with a national and international presence founded in Seville in 1963. Its core activities focus on the Oil&Gas sector. For the past 55 years, it has been continuously developing its consolidated experience worldwide in comprehensive automation services with absolute control over the liquid hydrocarbons and fuels distribution processes in storage plants and services stations.

It stands out for its high degree of specialization, advanced technology, and constant innovative attitude, with profitable and competitive global means that positively impact customers and quality, and lead to the design and creation of highly efficient facilities per the best industry practices, technical standards and digital economy. The work is carried out in EPC format in accordance with Industry 4.0, with R&D+i resources and lasting solutions that embrace new technologies, complemented by a solid value chain.

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