

Cepsa becomes the first energy company in Europe to operate a hybrid diesel-electric bunker barge

- **The hybrid barge, already operating in the Bay of Algeciras, can supply conventional fuels and advanced biofuels**
- **The barge is designed to deliver a reduction of more than 35% in greenhouse gas emissions compared to a conventional barge and zero emissions at port**
- **This marks another pioneering step forward for Cepsa as it continues to deliver its 'Positive Motion' strategy and implement solutions to push the decarbonization of maritime transport**

Cepsa, the leading energy company in the supply of marine fuels in Spain, has added a diesel-electric hybrid barge to its fleet of marine fuel supply vessels. The vessel, which is already operating in the Bay of Algeciras, is the first of its kind to supply fuels to ships in Europe. It was built at Astilleros de Murueta in Erandio (Vizcaya, Spain) and is owned by Spanish shipowner Mureloil.

The hybrid barge operates with a 30% reduction in fuel consumption and a reduction of more than 35% in greenhouse gas emissions compared to a conventional barge. The barge would avoid the emission of more than 2,000 tons of CO₂ per year. While at berth, the hybrid barge emits zero carbon, helping to reduce emissions from the ports in which it operates.

In addition to conventional fuels, the hybrid barge can also supply advanced biofuels. As announced in October 2022, [Cepsa has successfully tested the supply of second-generation biofuels to its vessels](#). These biofuels can be used in ships without modification and can reduce greenhouse gas emissions in the entire life cycle by up to 90% compared to traditional fossil fuels.

Samir Fernández, Cepsa's director of Bunker, said: "We are delighted to have delivered this innovative project – the first of its kind in Europe. Cepsa, with over 90 years experience in the marine sector, has always been a pioneer in sectoral changes. Now, as the shipping industry needs to take rapid action to meet the FuelEU Maritime emission reduction targets, at Cepsa we continue to try and lead by example and push industries to transform faster for a sustainable future. This is another example of the strong progress we are making with Positive Motion as we adapt to offer green solutions to our customers and Europe's ports and work towards the decarbonization of maritime transportation. Cepsa continues to push the biofuels agenda among our customers, generating commitment and trust, so that we can be the sustainable marine solutions provider of choice."

Cepsa has a diversified portfolio of maritime transportation solutions, which also includes products such as liquefied natural gas and advanced biofuels. The Company

plans to supply other sustainable marine fuels such as green ammonia and methanol once the recently announced Andalusian Green Hydrogen Valley, the largest green hydrogen project under development in Europe, is launched.

The vessel is equipped with four generators for electric propulsion, in addition to a battery system for auxiliary services in port. It also has a specific and optimized design that makes it more maneuverable and efficient. The cargo capacity of 7800 m³, distributed in 12 tanks, will reduce the vessel's rotation, which translates into lower consumption. The vessel also incorporates state-of-the-art engines, which will use Cepsa lubricants, and, as a new feature, all cargo lines will be equipped with *Mass Flow Meters* (MFM) technology, which ensures accurate and reliable measurement of the fuel loaded.

The European Commission's *Fit for 55* package includes the 'FuelEU Maritime' legislative initiative, which aims to reduce the greenhouse gas emission intensity of energy used on board ships. Specifically, it contemplates a 2% reduction in 2025, 6% in 2030 and 75% in 2050, compared to 2020 levels. Also, starting in 2030, it will require ships to connect to a shore-side electricity supply to cover their electrical power needs while at the dock, unless they use other zero-emission technology.

Cepsa is a leading international company committed to sustainable mobility and energy with 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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