

# Bio Dragon Tech revolutionizes waste management: from pollution to energy at La Lonja de la Innovación

**Huelva, March 13th, 2025 – La Lonja de la Innovación** in the Port of Huelva has been the setting for the presentation of an innovative technology that transforms hydrocarbon waste management in industrial and maritime environments.

The initiative is accelerating the startup Bio Dragon Tech, which has presented next to Bioabsoil solutions for both the collection of hydrocarbon spills and their conversion to biofuels, offering a sustainable and efficient solution to the problem of hydrocarbon contamination that will begin to be implemented in the R&D plant project in the Port of Huelva.

Santiago Miranda, Business development and Sales Director of **Bioabsoil Solutions** explained the technology behind this circular economy process that transforms polluting waste into renewable energy. Its solution allows the absorption of hydrocarbons using Peat Sorb, a 100% natural and renewable absorbent that instantly encapsulates hydrocarbons, oils and fats, facilitating clean and safe storage.

Juan Manuel Santana and Pablo Palau, Technical Director and International Director respectively of the company **Bio Dragon Tech**, explaining how the absorbed waste is processed in Bio Dragon Tech valorization plants, where it is transformed into biofuels ready for use in industrial and energy processes.

The team explained the high profitability of the machinery by following a continuous process. As indicated in the session, the plant's machines are active 330 days a year and require about 8,000 hours of maintenance per year. They also develop the turnkey project, as «we are technicians, engineers, manufacturers, and trainers of the teams that operate in the plants».

This technology will be implemented in the Port of Huelva through an R&D plant project. In a first phase, an investment will be made in depolymerization technology

and improvements in distillation will be implemented. In addition to the investment, they will carry out the implementation and development tests of the project. «The sustainable part is undeniable. It is the best eco-sustainable and economic solution, which offers great profitability," he insisted, as they are "pioneers in a complete and true eco-sustainable solution».

Finally, the event featured Abilio Caetano, Technical Director at Ecoterrae and expert in environmental regulation, to discuss the impact of current and future regulations in the sector. In his speech, he stressed the importance of collaboration between public and private entities to ensure efficient and responsible waste management.

Among the personalities who attended the presentation were Pedro Yórquez, Delegate of the Junta de Andalucía for Sustainability and Environment, as well as representatives of the Port of Huelva and the initiative's technological partner, Telefónica.

La Lonja de la Innovación continues to consolidate itself as a benchmark hub for digital transformation and sustainability in the port industry. With events like this, it reinforces its commitment to public-private collaboration to face the environmental challenges of the present and the future.

This event adds to the growing activity of La Lonja de la Innovación, which has become a benchmark in the technological and business ecosystem. In the last three months, it has organized multiple events on port digitalization, cybersecurity, Artificial Intelligence, legal aspects, negotiation techniques, contact management, FIWARE technology, and sustainability in the port logistics sector.

With this dynamic agenda, La Lonja de la Innovación continues to promote collaboration between companies, institutions, and entrepreneurs to boost the sustainable development of the sector.