

Port of Spain electricity

Manuel Arana, Director of Planning and Development of, has described the challenges facing the Spanish ports in the coming years to decarbonise their activity, amongst which the electrification of the enclosures stands out, an objective which means a five-fold increase in the power currently installed.

The first onshore power supply system (OPS) in the Port of Barcelona was opened on Wednesday 17 July and will supply vessels with 100% renewable electricity while berthed in port.

The Port of Barcelona has awarded VINCI Energies Spain the pilot project to electrify the docks in its ferry terminal. This is a first step toward becoming a carbon-neutral port by 2050.

The Port of Barcelona has inaugurated the Onshore Power Supply (OPS) system at the Hutchison BEST Terminal. This operation has involved the deployment of a medium voltage network with 3,000 meters of cable to the dock so that the container ships can turn off their auxiliary engines and connect to an electrical network of 100% renewable origin.

Ports in Spain are undergoing a process of modernisation in order to improve their competitiveness, efficiency, and sustainability. Puertos del Estado is expecting a public investment of 4,750 million in projects for the period 2021-2025, with the goal of electrifying all of the country's ports and having the main port operators ISO 14001 ...

Valencia, 5 June 2024.- "Green behaviour has become a tool for competitiveness, a zero carbon footprint is increasingly demanded in port activity". This is how Manuel Arana, Director of Planning and Development of Puertos del Estado, introduced the conference on decarbonisation promoted by Valenciaport which was held this morning in the Clock Building.

This new strategic framework, explained Arana, contemplates four main areas of work: the Port Authorities, the operators, the transport chain and the energy sector; each one of them with its objectives and goals marked in the calendar to achieve the total decarbonisation of the activity, "the great challenge of society is decarbonisation and the ports share this goal", he concluded.

The environment has become the transversal axis of port activity. For this reason, World Environment Day is a key date for the Port Authority of Valencia (PAV), which is holding a working day aimed at the port community to take stock of the objectives achieved and the challenges that Valenciaport and its companies have ahead of them to achieve decarbonisation of their activity.

Also with them, Federico Torres, head of Ecological Transition of the PAV, stressed the importance of the collaboration of all port stakeholders when it comes to decarbonising the activity: "45% of emissions in port

areas are generated by ships and 25% are generated in terminals and we are working on both sides to reduce emissions. It is very important to publicise good practices, so that they are applied across the board, and we can reach the great objective of decarbonisation as soon as possible".

At the first-round table of this conference "Experiences in decarbonising ships" moderated by Ra?l Cascajo, head of Environmental Policies of the PAV; Ram?n Zubiaga, managing director of Consulmar, spoke about his experience with electric port vessels. Guillermo Alomar, Senior Advisor Bale?ria, detailed Bale?ria's experience with the LNG fleet and also with ships using alternative fuels. Cosimo Cervicato, Project Manager of Energy Saving R& D and Ship Design Department, focused on the experience of ECO ships with Grimaldi batteries.

The second-round table focused on "Experiences in terminals" and was moderated by Santiago L?pez, head of Environment at the PAV. Sven Valentin, General Manager of MSC TV, focused his explanation on his experience in the electrification of his container terminal: "83% of MSC's transainers in Valencia are currently electric". Machinery, operations and process efficiency were the focus of the rest of his speech.

For his part, Ra?l Cascajo explained the energy self-sufficiency project in the Port of Gand?a, "one of the first energy self-sufficient ports". The achievement of this milestone has mainly meant "the reduction of emissions, the improvement of air quality in the environment, energy resilience, economic savings, increased competitiveness and compliance with the Sustainable Development Goals, among others".

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