

<p>Port of: Santander (Port Authority of Santander)</p> <p>Country: Spain</p>
<p>Contact person: Susana Rubio Pardo</p> <p>Position: Environmental Officer (management representative)</p> <p>Email: susana@puertosantander.com</p> <p>Environmental issue: Fuel savings and greenhouses gas reduction</p>
<p>Relevance to the 5 Es framework of the ESPO Green Guide (please delete as appropriate):</p> <p>Exemplify / Enable / Encourage / Engage / Enforce</p>
<p>COMMISSIONING OF A NEW SERVICE VESSEL WITH HYBRID TECHNOLOGY</p> <p>The Port Authority of Santander has recently commissioned a new service vessel with hybrid propulsion technology, consisting of two diesel engines and two electric motors (45 kW each) coupled to the transmission.</p> <p>This new vessel has replaced two older vessels that previously existed. The new vessel will integrate all the missions carried out by the two previous vessels within the port domain waters, such as: bathymetric campaigns and water surface surveying,, control and maintenance of maritime signals, repair of fenders and maintenance of elements on docks, and technical visits and inspections of port facilities from the seaside.</p> <p>The boat, called SOLIA DOS, has been built by the company Metaltec Naval S.L. She is the only vessel with hybrid technology in Cantabria and in the Spanish Port System.</p> <p>The boat has a length of 11 meters, a beam of 4 meters, and a draft of 1 m. She has a total capacity of 12 people and a maximum speed of 10 knots. She is built with naval steel and stainless steel.</p> <p>The boat has been built with sustainable criteria and low maintenance.</p> <p>The environmental benefits are:</p> <ol style="list-style-type: none"> 1. Diesel fuel savings due to the use of electric motors. 2. Reduction of greenhouse gas emissions. 3. Reduction of polluting gas emissions. 4. Reduction of hazardous waste in maintenance and repair operations.
<p>Links:</p>

Illustrations:

