



XABET new partner of the DOCC-OFF project

The company **XABET**, whose mission is the development of digital platforms for data exploitation and decision making tools to improve asset performance, has joined as a new partner in the European project **DOCC-OFF (Scaling-up Digitalization Of Critical Components in Offshore wind turbines)**, led by the Basque Energy Cluster. XABET will undertake tasks from the work package of Digital technologies specification and development, as well as the validation of the results obtained during the testing phase of the project.

XABET has a large experience in *data analytics* and development of digital platforms for operating data exploitation in the wind and solar energy sectors. Within DOCC-OFF, XABET will lead the work package of Digital technologies specification and development, in which he will be responsible for developing a model for the diagnosis of the pitch system failure modes identified by HINE, as well as a digital platform prototype that will capture, store and process the data received from the pitch systems in operation. XABET will also participate in the validation of the results obtained through system testing and in project dissemination activities.

The project "Digitalization of critical components in offshore wind turbines" (DOCC-OFF), financed by the European Union's Maritime and Fisheries Fund, started on 1 November 2019. The main objective of the project is to demonstrate the impact of sensing and remote monitoring in the optimization of the design, the increase of performance and the reduction of maintenance costs of the pitch system, identified as a critical component of the wind turbine. The pitch system allows the wind turbine blades to be adjusted by rotating them so that they use the right fraction of the available wind energy to get the most power output, meanwhile ensuring the turbine does not exceed its maximum rotational speed.

The project consortium consists of 4 partners. In addition to XABET, the Basque company HINE RENOVABLES, manufacturer of pitch hydraulic systems for the wind sector, is one of the key partners of DOCC-OFF. The Belgian research centre SIRRIS OWI-lab is also participating, leading the work package dedicated to testing and validation of the project developments. The Basque Energy Cluster (ACE) is responsible for the coordination and dissemination of the project.