



LIFE HyReward Project has received funding from the LIFE+ Programme of the European Commission under grant agreement LIFE20 CCA/ES/001783.

ACTIVITIES



Commissioning of the pilot plant

The commissioning of the HyReward pilot plant was done during the last week of July and the first of August by the partners REDStack and Pure Water Group, in order to arrange all the settings for the plant to be ready to start the operation.

Full system characterization

Since early August the plant has been in operation, **already generating blue energy**. The first phase of experiments consisted in a discontinuous operation in which a full characterization of the system is made in order to obtain the best combination of parameters for each operation mode according to the established objectives.



Third Monitoring Meeting of the LIFE HyReward

The third monitoring meeting was performed on the 2nd October 2023 by ELMEN, contracted by the European Commission in order to provide external support in monitoring LIFE projects. The meeting was at the Alicante Desalination Plant where the partners showed the main activities and progress made in the different actions of the LIFE HyReward project since its beginning in November 2021.

Technical visits

During this period of time, we have been open for technical visits where institutions like University of Alicante, the Catalan Institute of Nanoscience and Nanotechnology (ICN2) and other departments of Sacyr Group such as the Quality from Sacyr Construction and Technical Area of Sacyr Agua came.





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DISSEMINATION

Partners meeting in Aquatech expo, Amsterdam, November 2023

From 6th to 9th of November the Aquatech innovation forum took place in Amsterdam, the Netherlands, where the project LIFE Hyreward was present thanks to the meeting of the Innovation department of Sacyr water along with the partners Pure Water Group and REDStack, who was awarded as the "Overall Winner of the Aquatech Innovation Award" within the category of "Wastewater Treatment".



LIFE HyReward at the ALADyR congress in Santiago, Chile, November 2023

From 14th to 16th of November Domingo Zarzo, director of the Innovation department in Sacyr Agua and Patricia Terrero, responsible of the Innovation department in Sacyr Agua attended the ALADyR congress in Santiago, Chile, where Patricia presented the project LIFE HyReward followed by a public-facing questionnaire.



COMING SOON

Continuous mode operation

Once all the preliminary results of the full characterization of the system are analyzed, the project is ready to carry out the next phase of experiments: the continuous operation. In which we will be able to check the energy efficiency of the stacks, as well as the reduction in salinity the brine can reach after passing through the RED membranes, among other main objectives established.