

Experts evaluate the success of the first results of the pilot plant Life Desirows

The technical committee of the **Life Desirows** project (LIFE19 ENV/ES/00447) has carried out a positive evaluation of the operation of the pilot plant built at the facilities of the Arco Sur Irrigation Community and the Hidrogea water purification plant, both located in the vicinity of the saltwater lagoon of the Mar Menor, in the Region of Murcia (Spain).

The partners of the Life Desirows project held a meeting on December 19 ([see video](#)) in which the results obtained with the MVC technology were presented to reduce the volume of concentrated brine that subsequently enters a natural evaporation system with the objective of achieving zero discharge into the protected area of the Mar Menor Coastal Lagoon.

Likewise, the foundations were laid for the operation of the demonstration plant during the coming months with the necessary parameters to be able to accurately evaluate the environmental advantages of the technologies applied in the Life Desirows project.

The demonstration plant is based on renewable energy and the circular economy, with special attention to water reuse.



At the technical meeting were all the partners of the consortium led by the company Regenera Levante and in which the Polytechnic University of Cartagena, the Arco Sur Irrigation Community, Hidrogea and Hidrotec also participated.

Life Desirows, funded by the **European Union's Life Programme**, combines several technologies from an industrial perspective in order to minimize energy consumption.

The meeting took place at **Dinapsis Region of Murcia**, a space located in the historic center of the city of Cartagena, based on technology and digital tools, and specialized in environmental issues linked to the Region of Murcia, which is already a reference. in water savings, as well as in the reuse of regenerated water.



The Regenera team knows the pilot plant and its environmental benefits

A large representation of the **Regenera Energy** staff had the opportunity to learn first-hand about the environmental benefits of the pilot plant of the Life Desirows project during a day in which they learned about the facilities and different technologies that are being applied.



Regenera leads the consortium created to launch this innovative project in which different renewable energies have come together. From photovoltaic energy with a solar installation that is located on the roof of the Arco Sur Irrigation Community facilities. Or the use of biomass, in this case olive pits, which feeds a boiler that serves the energy needs of the pilot plant to eliminate brine from the water and allow its reuse.

PARTNERS

Hidrogea is the leading company in the environmental sector in the Region of Murcia

With more than 50 years of experience, **Hidrogea** directly manages drinking water, sanitation and purification services in the municipalities of Abanilla, Águilas, Alcantarilla, Cartagena, Cehegín, Las Torres de Cotillas, San Javier and Torre Pacheco, which ensure the supplying water to more than 400 thousand inhabitants of the Region of Murcia (Spain), and which together with its participating companies, reaches a total of thirteen municipalities and one million inhabitants supplied.

Hidrogea's human team has the most advanced technologies for the management of the services provided, whose maxim is operational excellence, technological innovation, digitalization, and care for the environment, guaranteeing a supply of water of the highest quality.

Currently, in addition, **Hidrogea** has several collaboration projects underway with the City Councils of the municipalities in which manages urban water, projects that based on sustainability and digitalization have achieved financing for their implementation, which makes Hidrogea the best partner when facing any transformative project for the future.



<https://www.hidrogea.es>

Hidrogea faces its future with sustainability and environmental preservation as a basis, with a responsible and transparent management model, which guarantees the economic development of the Region of Murcia and the improvement of people's well-being, contributing to building cities with greater resilience and prepared to adapt to new scenarios.





Continuing with the work of disseminating the Life Desirows plant, the students studying the Master of Renewable Energy at the Polytechnic University of Cartagena (UPCT), have made a technical visit to the plant, accompanied by the professor and coordinator of International Relations from the UPCT, **Francisco Vera García**, one of the Life Desirows researchers.

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<https://lifedesirows.eu/>



As well as on Twitter and Youtube:



LIFE PROJECTS

During 2023, Life projects obtain great recognition for their essential work to comply with the Green Deal of the European Union

This year, the LIFE projects that are being developed throughout the European Union, including Life Desirows, have been recognized in different media, events and exhibitions.

In Spain and Portugal, the Life -Als project, also called "See & Save – For Earth, For Life", allows producers to significantly reduce the use of pesticides, fertilizers, water, diesel and electricity in grape, pistachio and olives. Combining technologies such as AI processing will lead to savings in water resources, energy, pesticides and fertilizers and greenhouse gases, and help the transition to net-zero agriculture. The agricultural AI system used was awarded at the SITEVI Innovation Awards.



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One of the emblematic events of the EU in which the Life projects were present was the European Sustainable Energy Week (EUSEW), a great showcase in the field of energy efficiency and renewable energies and in which Life Desirows had a own space to present your objectives.

Beyond the highlights it is crucial to recognize that each LIFE project has significant value, contributing substantially to the objectives of the EU Green Deal.

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