# ERA-NET Project Grant for Elimination of Contaminants from Wastewater Treatment Plants

ERA-NET project grant for the project SERPIC joins eight international partners in their efforts to eliminate contaminants of emerging concern and pathogens at the outlet of wastewater treatment plants (WWTPs) and thus mitigating their spreading into the environment including the ocean. SolarSpring GmbH - a subsidiary of CISH AB, Fraunhofer IST + ISE, University of Ferrara, University of Castilla, University of Porto, AdP, NIVA and the Stellenbosch University of South Africa (SU) will be targeting a zero discharge of antimicrobial resistant compounds and contaminants of emerging concern by means of electrochemical reduction. SolarSpring will receive funding of € 148,000.

The publicly funded project ‘SERPIC’ will run for 3 years and support the implementation of international, EU and national policies in the water, marine, health and agricultural or environmental sector. SolarSpring GmbH is one of eight international partners in the project, which targets the reuse of the effluents from wastewater treatment plants for irrigation purposes.
The SERPIC treatment technology is based on membrane nanofiltration and electrochemical water treatment methods. The reuse of the effluents of wastewater treatment plants constitutes a significant and constantly available water resource for irrigation, that is able to cover peaks of water demand. The project follows a strongly transdisciplinary approach by combining expertise and actions from the sectors water infrastructure, agriculture, food production and health. SERPIC will enhance the innovation capacity of the six involved countries (European Research Area + Africa) in the water-energy-food nexus and especially in the area of reclaimed water and contaminants of emerging concern (CEC) removal technologies.
Project partner AdP, as a major player in the urban water sector in Portugal, represents 80% of the market. Through its utilities, AdP is responsible for the management of about 1000 wastewater treatment plants (WWTPs), which underlines the opportunity to promote SERPIC replication activities within its multitude of facilities. Participation of the South African partner (SU) aims at extending the European technology to other important markets, just as it has in the previous Horizon 2020 European project „SafeWaterAfrica“.
The total funding volume is € 1.6m. On the German side, the project is funded by the German Federal Ministry of Education and Research (BMBF), and SolarSpring will be supported with a total amount of € 148,000 which is 80% of the total project costs.

This disclosure contains information that Clean Industry Solutions Holding Europe is obliged to make public pursuant to the EU Market Abuse Regulation (EU nr 596/2014).

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Clean Industry Solutions Holding Europe AB holds 100% of Industrial Solar GmbH and 100% of SolarSpring GmbH - both located in Freiburg/Germany.
Industrial Solar GmbH is an international leading technology and solution provider, which develops projects mainly based on its innovative Fresnel collector technology suitable for fulfilling an expected growing market of solar process heat. As a one-stop-shop Industrial Solar offers turnkey solutions for customers in several industries.
Find out more about Industrial Solar GmbH at the following address:
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Founded in 2009 as a spin-off of the Fraunhofer ISE, SolarSpring GmbH - membrane solutions, has evolved into an international pioneer in the field of membrane distillation offering innovative waste- and drinking water treatment technology.
Find out more about SolarSpring GmbH at the following address:
https://www.solarspring.de/