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ROSI is selected by Soren to recycle silicon and silver from end-of-life PV modules thanks to its proprietary technologies enabling the recovery of high value raw materials.

ROSI is proud to announce that the company was selected in partnership with Envie 2E Aquitaine for the revalorization of end-of-life photovoltaic (PV) modules in France. Soren, the producer responsibility organization in charge of the collection and recycling of PV modules in France, chose the solution presented by ROSI and Envie 2E Aquitaine allowing a high-quality recovery of valuable raw materials from the PV value chain with a low environmental impact.

From 2015 to 2020, Soren collected more than 15 000 tons of end-of-life PV modules in France. As a response to the fast growing market of used PV modules, the organization selected 3 new recycling operators for the French market for the coming years. Soren expects at least 7 000 tons to recycle in 2021 and 20 000 tons in 2025. Economic, social, and environmental aspects as well as the scalability of the recycling technologies were paramount in Soren's decision.

Deeply engaged in technological innovations, ROSI is among the very first companies in Europe to offer an industrial solution to economically recover high-purity silicon, silver, and copper from the end-of-life PV modules. Thanks to the high quality of the recycled raw materials, ROSI's innovative processes can be quickly scaled-up to reach a sustainable profitability. Besides the low environmental impact of ROSI's recycling process, the reintegration of the recycled raw materials in the industry reduces again the overall environmental impact of the PV industry.

Combined with ENVIE's recognized expertise in collection, logistics, refurbishment, and job creation, ROSI is confident that its solutions will strengthen the contribution of the PV industry to the energy transition and to the society. Among the positive impacts of this brand new industrial activity, it will create an independent source of high-purity silicon dedicated to the European industrial recovery. Participating in the strategic independence of Europe regarding critical raw materials is one of the key missions of ROSI.

With the support of Ademe, BPI France, EIT RawMaterials, EIT InnoEnergy, and more recently the European Innovation Council, ROSI is moving forward with its industrial development. In the coming years, ROSI expects to build new partnerships and will expand its recycling activities in Europe. The goal of the company is to become market leader in terms of recycling standards and recycled volumes in order to make the PV industry truly circular.

About ROSI

ROSI Solar is a French company offering innovative technological solutions for recycling and revalorization of raw materials in the PV industry. Its technologies allow to recover pure silicon and other metals currently lost during the production of photovoltaic cells and at the end-of-life of solar panels.

About Envie 2E Aquitaine

Envie 2E Aquitaine is part of the Envie network of social economy organizations in France. Envie contributes to a circular economy by collecting and repairing used electric appliances and medical devices, bringing them back to the market, and creating jobs.

About Soren

Soren is a non-profit organization acting as a producer responsibility organization for PV modules manufacturer and importers in France. Soren is responsible for the collection, transportation, and recycling of all PV modules in France.

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