

Berlin solar container materials technology





Overview

Solar TAP wants to accelerate the transfer of technologies from „Lab-to-Fab“ through close cooperations with industry. We run several industry-projects on slot-die coating, inkjet printing, ink & ink recycling, in-situ formation studies, experimental and analytic automization, and. With our patented recycling technology, we recover 98% of raw materials from silicon solar panels. With thermo-mechanical processes we automatically separate the different components of solar panels from each other. Our technology works like a reverse production instead of the classical shredding. Magdeburg 04.06.2024 - SOLAR MATERIALS, a cleantech startup from Magdeburg for solar panel recycling, announced the successful closing of its EUR 12.2 million Series A round. With the funding, the company builds its first industrial sized recycling plant in Magdeburg and increases its recycling. Solar TAP wants to accelerate the transfer of technologies from „Lab-to-Fab“ through close cooperations with industry. We run several industry-projects on slot-die coating, inkjet printing, ink & ink recycling, in-situ formation studies, experimental and analytic automization, and data management. Germany´s SOLAR MATERIALS is leading Europe´s green revolution with solar panel recycling. Instead of the traditional shredding and sorting process, SOLAR MATERIALS introduces a layer-by-layer thermo-mechanical process that recovers important raw materials. The company recently became 1 of just 47. Today´s recycling methods fail to recover the vast majority of valuable materials, leading to significant waste and inefficiencies. Our technology changes this paradigm by recovering all raw materials from decommissioned panels. This innovation not only tackles the growing issue of solar waste but. Imagine a city where solar panels work 24/7 - even when the sun isn't shining. The Berlin Energy Storage Photovoltaic Power Station Collection Project turns this vision into reality. As Germany phases out coal power by 2038, this initiative positions Berlin as Europe's green energy laboratory.



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A review on container geometry and orientations of phase change

PCM container geometry and orientations are practical passive heat transfer enhancement techniques in the long-term compared to adding nanoparticles and attaching fins. This review ...

The perfect recipe for efficient perovskite solar cells

A long-cherished dream of materials researchers is a solar cell that converts sunlight into electrical energy as efficiently as silicon, but that can be ...



SOLAR MATERIALS announced EUR 12.2 million Series A round

The cleantech startup SOLAR MATERIALS develops technologies for recycling solar panels. With their patented recycling process, all raw materials of the solar modules to be recycled ...

Recycling neu gedacht: SOLAR MATERIALS setzt Maßstäbe im

SOLAR MATERIALS, ein Cleantech-Startup mit Sitz in Magdeburg, hat eine neue Recyclingtechnologie für Solarmodule entwickelt, die erstmals die wirtschaftliche Rückgewinnung



aller im Modul ...



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BUSINESS SECTOR RENEWABLE ENERGY PI Berlin ...

Terry Jester Managing Director, PI Berlin North America CEO, COO and Board member with 40+ years in the solar industry Worked on the construction of materials that helped provide the first 25-year ...



SOLAR MATERIALS' Post

Startups Driving the Energy Transition?! Berlin at the Center of Energy Innovation The last days, Berlin became the center of the European energy transition as it hosted the EUROPEAN ENERGY Supply





Recycling neu gedacht: SOLAR MATERIALS setzt ...

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