

# Transitioning From the Linear to Circular Value Chain for Solar PVs by Pamela Ong, E.ON | CIRCULAZE Summit

Key Learnings



## Design for Recycling

Current solar panel design makes recycling difficult, particularly due to encapsulants that secure components but hinder material recovery. A feedback loop between recyclers and manufacturers, supported by policy incentives, is essential for more circular designs.

## Partnerships for Economies of Scale

Collaboration between recycling startups and PV waste collectors demonstrates how partnerships can drive scale and make recycling financially viable.

## Exploring Alternative Circular Solutions

Innovative approaches, such as upcycling photovoltaic silicon into lithium-ion batteries, showcase how thinking beyond traditional recycling can create new value streams.

## Regulatory Incentives for Systemic Change

To enable circularity, regulations must encourage systemic change by setting standards for design, ensuring the viability of second-life PVs, and incentivizing insurers and certifiers to support circular business models.

**Listen to the full episode here:**

<https://circularity.fm/transitioning-from-the-linear-to-circular-value-chain-for-solar-pvs-pamela-ong-eon/>