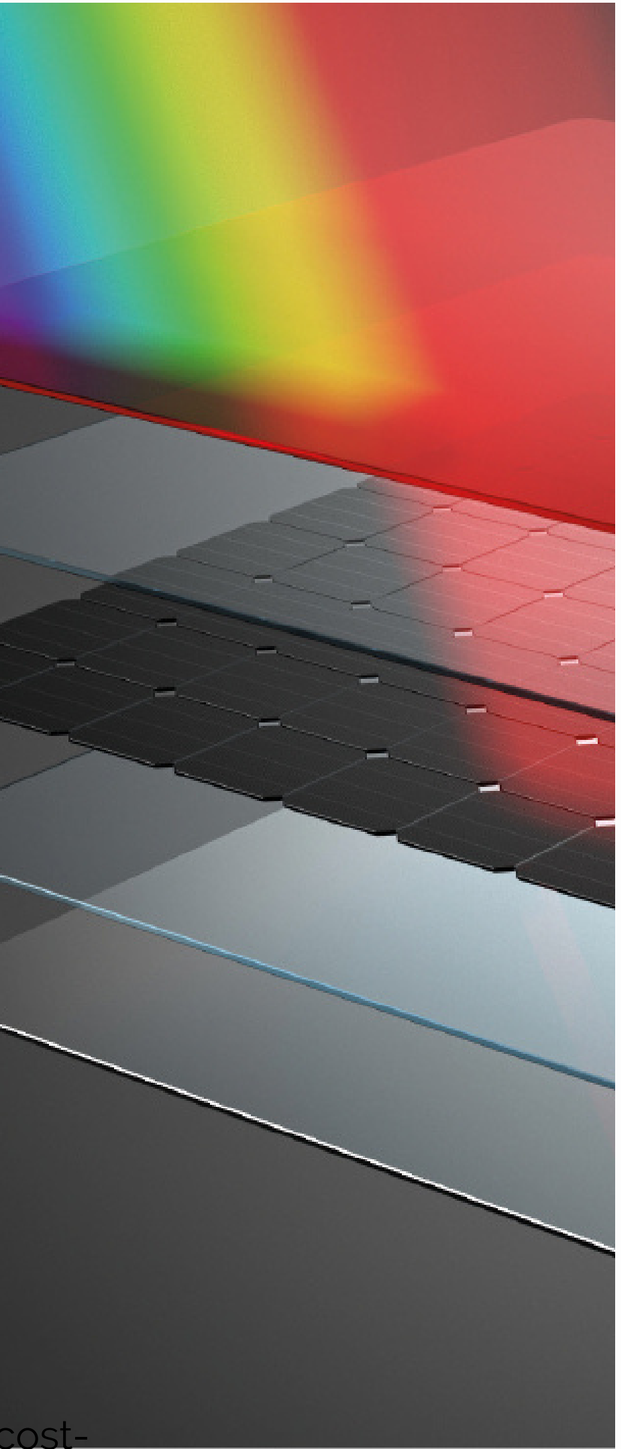

REFURBISH USED SOLAR PANELS WITH A CLIP-ON ATTACHMENT

SUPPLY CHAIN OPPORTUNITY

The United States currently discards approximately 250,000 metric tons of solar panels annually, with this number expected to rise significantly as older panels reach their end-of-life stages (source: International Renewable Energy Agency). This staggering amount of waste presents a significant untapped supply chain opportunity.

TECHNOLOGY DESCRIPTION

Our innovation centers on using a patented 2D thin-film perovskite to refurbish solar panels. We supply a clip-on kit that can increase the efficiency of aging panels, boosting their power output by up to 35%. Our plan involves collaborating with existing solar installers to seamlessly integrate our technology into the field. With milestones set for research, development, and scaling, we're on track to make a significant impact by 2026. But our vision extends beyond innovation. We're committed to providing affordable solar solutions to underserved communities and creating job opportunities through training and development programs.

THE TEAM

Caleb Schappa
Columbia Business School
experienced with start-ups and electrical engineering

Ardilla Deneys
Virginia Commonwealth University
experienced with materials, sales, and utility companies

Lu Yan
Case Western Reserve
experienced with clean tech, consulting, and investment

cost-