

ENCO · Clean Energy

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Country: Peru · Callao **Category:** Clean Energy **Impact Areas:** Mitigation **Stage:** Prototype **Team Size:** 4
Website: https://www.instagram.com/enco_solar/

Elevator Pitch

ENCO is a social energy startup that implements community-based solar systems in vulnerable urban spaces. We combine decentralized solar technology with local leadership to expand energy access, reduce costs, and enable education and community development

Climate Problem

ENCO addresses unequal access to clean energy in vulnerable urban communities, reducing dependence on fossil-based electricity while strengthening local resilience through decentralized solar energy systems.

Solution

ENCO deploys portable, self-installable solar modules in libraries, community kitchens, and grassroots spaces, combining decentralized clean energy with local training to reduce energy costs and expand community activities.

Revenue Model

Revenue will come from direct sales of portable solar modules, installation services, partnerships with NGOs and companies, and sponsored community energy projects.

Target Market

Community organizations, NGOs, schools, libraries, grassroots spaces, and vulnerable urban communities needing affordable and decentralized energy access.

Social Impact

Migrants, People Living in Extreme Poverty, Women

Demand Evidence

Demand has been validated through pilot projects, partnerships with NGOs and community groups, and increasing interest in affordable solar solutions due to rising energy costs and energy insecurity.

Competitors

Competitors include traditional solar providers focused on residential or commercial markets. Few offer portable, community-centered solar solutions combined with local participation and social impact.

Founder Expertise

Experience coordinating energy access projects in the Amazon, renewable energy and community innovation initiatives, and winner of the UN IFAD Rural Innovation Award for renewable energy solutions.

External Support

Received support through the Kunan Prize 2025, NESsT mentorship, grant opportunities, community partnerships, and recognition as finalists in innovation and social impact competitions in Peru.

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