



Global LEAP Off-Grid Cold-Chain Challenge

IDENTIFYING THE WORLD'S BEST OFF-GRID COLD STORAGE TECHNOLOGY

The Off-Grid Cold Chain Market

Cold chain technology is a critical component of modern agricultural systems. It has the potential to significantly improve livelihoods for smallholder farmers and other small businesses involved with agricultural value chains by opening up new markets for high-value crops, reducing food waste, and increasing farmer profits.

Post-harvest losses can reduce income for smallhold farmers and other agricultural value chain players by 15% or more. Access to modern cold chain technology across the Global South could increase production of key food crops by about 250 million tonnes, improving food security and strengthening farmers' livelihoods.

However, this technology is often out of reach in off-grid areas across the Global South due its cost, a lack of access to reliable electricity, and the wide variety of uncoordinated stakeholders in the broader cold chain. In addition, continued uncertainty about the commercial viability of first mile cold chain solutions has limited private investment in the sector, inhibiting market growth and scale up.



Nominate eligible products by 29 August 2021. It's quick, easy, and free.

The Global LEAP Off-Grid Cold Chain Challenge is an international competition to identify and promote the most energy-efficient, sustainable, and cost-effective technologies that can meet the cold storage requirements for fresh fruits, vegetables, fish and dairy products in the first mile markets. The focus countries for this round of competition are Kenya, Nigeria, Rwanda, Tanzania, Uganda, and India.

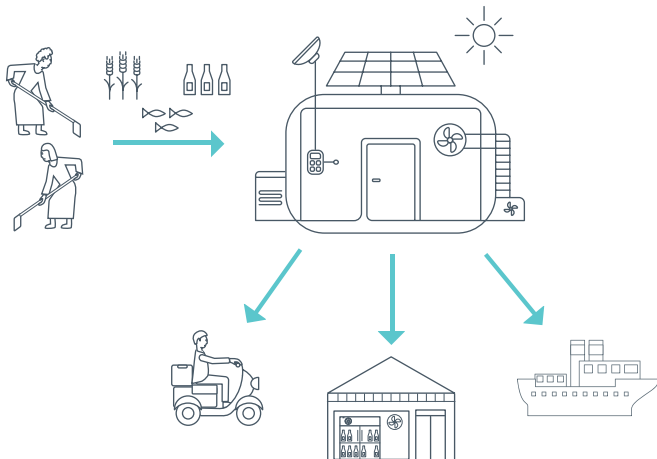
This Challenge is an initiative of the [Efficiency for Access Coalition](#) through the support of DOEN Foundation, IKEA Foundation, UK aid and Good Energies Foundation.

The Off-Grid Cold Chain Challenge (OGCCC) aims to stimulate off-grid cold chain refrigeration for farmers and small traders, enabling better commercialisation of agricultural/ food produce.

By supporting the development of innovative cold chain solutions that run off clean energy, the OGCCC will catalyse technology and business model innovation and market development. Manufacturers and distributors are encouraged to nominate products [here](#).

Categories

	Small	Large
Coolers (Operating temperature is at or above 0°C)	100 ft ³ – 500 ft ³ (2.8 m ³ – 14.2 m ³)	>500 ft ³ (>14.2 m ³)
Freezers (Operating temperature is below 0°C)	100 ft ³ – 500 ft ³ (2.8 m ³ – 14.2 m ³)	>500 ft ³ (>14.2 m ³)





Benefits to Winners and Finalists

- Two winners will receive innovation prizes of up to \$100,000 in prize money
- Up to \$100,000 will be available to shortlisted technologies requiring support to cover costs associated with the field evaluation process, based on needs assessment.
- Use of the Global LEAP Awards logo and brand.
- All shortlisted technologies will be promoted in a global campaign, which will include promotional videos, case studies, and networking opportunities with distributors and investors.
- Opportunity to participate in donor initiatives and programmes dedicated to cold chains in developing countries.

Impacts



Cold Storage Manufacturers can differentiate their products in the marketplace and increase sales.



Off-Grid Energy Companies, Distributors & Produce Aggregators can easily identify and procure energy efficient, high-quality cold storage products/ units.



Investors can identify the most promising companies in an early-stage, dynamic global market.



Cold Storage Businesses can test, innovate and strengthen their business models and identify and build relevant partnerships for their target markets.

Contact

efficiencyforaccess.org/off-grid-cold-chain-challenge

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Timeline

