



Global LEAP Off-Grid Cold Chain Challenge

Nomination Form

The Global LEAP Off-Grid Cold Chain Challenge (OGCCC) 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.

To get a preview of the complete form, you may download the pdf version [here](#).

If you have any questions, please contact us at info@GlobalLEAP.org.

Nominator's Details

Name *

First

Last

Title *

Name of Company/ Organization *

Size of Company/ Organization (i.e number of people working in the organization) *

Type of Organization *

Phone Number (w/ CountryCode) *

Email *

Website (if different than the nominating company)



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I certify that my organization is not listed in the UK Home Office proscribed terrorist groups or organizations list or World Bank's Debarred list. *

Is this your first time participating in the Global LEAP Off- Grid Cold Chain Challenge? *

Where did you get information about the Global LEAP Off- Grid Cold Chain Challenge? *

Manufacturer / Product Developer Information

Name of company that manufactures the Product? *

Where is the Product manufactured? (If parts are manufactured in different locations please specify the manufacturing location of each part) *

Please provide the physical address of the location(s)

Where is the Product assembled? (If different from manufacturing location of each part) *

Please provide the physical address of the location(s)

Product Information

Product Type *



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Size Category*

Product Name*

Brand Name*

Product Model Number {if applicable}

What share of employees in your company are female? *

Eligibility Requirements

Is your Product an enclosed cold storage space that can be refrigerated to temperature at or above 32 degrees Fahrenheit/ 0 degrees Celcius (coolers), or below 32 degrees Fahrenheit/ 0 degrees Celsius (freezers), and that can be walked into? *

Which food/ agricultural products can be stored in your cold storage container? *

How would you categorize the food /agricultural value chain that you are focussing on? *

- High-value for international export
- High-value for domestic value chains (e.g., urban consumers, supermarket chains)
- High-value for local consumption
- Staple for local consumption

Please select all that apply



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Is your Product designed to be powered by renewable energy sources for at least 70% of their usage time and/or compatible with off-grid power systems that utilize renewable energy sources (e.g., AC or DC mini-grids)? *

Does the Product use no Montreal -Protocol -regulated Class I and Class II non-ozone depleting substances as refrigerants? *

"Class I" ozone depletion substances include halons, chlorofluorocarbons (CFCs), methyl chloroform, carbon tetrachloride, and methyl bromide.

"Class II" ozone depletion substances are all hydrochlorofluorocarbons (HCFCs)

Does the Product have a warranty and clear implementation plan that covers reclamation and safe destruction of Class II ozone- depleting substances? *

"Class I" ozone depletion substances include halons, chlorofluorocarbons (CFCs), methyl chloroform, carbon tetrachloride, and methyl bromide.

"Class II" ozone depletion substances are all hydrochlorofluorocarbons (HCFCs)

Is at least one of these Products already deployed in the field and capable of undergoing field performance monitoring, or, is one deployable in a target country by October 2021? *

At what stage of market readiness is your Product at? *

Declared Product Information

Total Internal Storage Capacity (Cubic meter) *

External container dimensions (L*W*H) (meter) *

Daily Energy Consumption (kW h/day) *

At which ambient temperature was the average daily energy consumption measured? *



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EnergySupplyType *

Voltage range within which Product safely operates (V-V) *

Maximum/ Inrush Current (Amps) *

Refrigeration Unit Cooling Capacity(Watts) *

Refrigerant(s) Type *

Storage Temperature Range (Degrees Celcius) *

Does the Product use thermal storage? *

Autonomy(Hrs) [estimated time the Product can hold the interior chamber within an acceptable temperature range without using power, given certain environmental assumptions] *



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For solar-powered Products, please provide solar energy system capacity required to operate the Product

Answer

PV Panel Capacity (Wp)

Battery Capacity (Ah)

Battery Chemistry

Other additional components included (e.g inverters)

This question is mandatory for Product(s) that are solar-powered

Length of Warranty (Months) *

Any other additional technical information about your Product you feel is important to share ?

Declared Product Market Data

The total upfront cost for buyers to purchase the Product in the target country [USD]? *

Does this price vary by country? (If you only operate in a single country, please continue to the next question)

What is the cost of installation for your Product [USD] ? *

What is the percentage of installation in product cost? *



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On what terms do customers buy the Product? *

Commercial Strategy

Please describe the target market for your Product and/or the agricultural value chains that you focus on (e.g., high-value export chains, smallholder dairy cooperatives etc) *

Please describe your sales and/or customer acquisition strategy, and how you ensure that each Product generates an adequate amount of revenue *

Please describe the way(s) in which you try to ensure Product is affordable and accessible to a wide range of potential end users in off-grid areas in the target countries *

What are the estimated operating costs for your Product over the course of a year [\$USD]? Operating costs are defined here as costs associated with energy/fuel and maintenance. *

Have you applied for and /or received any donor funding to support the development of this Product? *

Have you received any kind of investment from impact investors to support development of this Product, or your company in general? *



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What do you think are the main barriers to receiving investment? *

How would you use funding from investors? *

Have you taken out any loans from commercial banks to support the growth of your company? *

How would you use loans from banks? *

Please describe business development and/or market research related activities you have conducted for your target market (e.g., consumer, market opportunity, target agricultural value chain etc) *

Please describe your company's growth strategy for the next 2-5 years, and how you plan to scale up deployment of this (and any other) Product? *

Sustainability



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Please demonstrate how the Product is sustainable in terms of local environmental and climate change considerations (particularly use of climate-friendly refrigerants) and end of life recyclability. *

Deployment Plan

Is the Product that will undergo field testing already deployed and operational, or will you deploy a new Product? *

Do you require financial support to deploy your Product? *

Are there other specific areas of support you need the project to provide to aid your deployment plans? (e.g., training, informational needs, identify local partners etc) *

Relevant Document Attachments

Copy of specification sheet that states the Product's technical requirements, and relevant performance factors



Electronic or print copy of the Product user manual and/or safety instructions to end-users



Photograph of the Product





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Copy of official documentation of the Product's warranty.



Letter from Manufacturer supporting Product Nomination

