

A COALITION TO ACCELERATE GLOBAL ENERGY ACCESS THROUGH ENERGY- EFFICIENT APPLIANCES

Due in large part to the improved efficacy and cost of the super-efficient LED, the quickly emerging off-grid solar market has delivered energy access to tens of millions of off- and weak-grid households and businesses worldwide. With similar shifts in efficiency and cost, other appliances appropriate for off- and weak-grid settings can enable consumers to reach even higher levels of energy access faster.

The Efficiency for Access Coalition recognises the increasing demand for modern energy services and is seizing the opportunity to scale up markets for super-efficient products by supporting technological innovation and improving sector coordination. In this way, the Coalition supports a number of the United Nations' Sustainable Development Goals (SDGs), in addition to SDG7 – access to affordable, reliable, sustainable, and modern energy for all.



28% of food produced in the developing world is wasted.

Cold chain refrigeration manages the temperature of perishable goods, maintaining quality and safety in the supply chain, reducing food loss, and increasing food supplies.

The Global LEAP Off-Grid Cold Chain Challenge is an international competition to identify and promote the most energy-efficient, cost-effective cold storage technologies across sub-Saharan Africa. Prizes totaling £250,000 were awarded to entrepreneurs that developed innovative technologies to stimulate advances in cold chain markets. Profiles of the of awardees are now available on our blog: medium.com/efficiency-for-access.



Nearly a quarter of primary health centers in sub-Saharan Africa have no access to electricity.

Distributed solar energy systems equipped with high quality, super-efficient appliances can provide reliable access to health services for centers that currently lack it.

The Clinton Health Access Initiative and the Efficiency for Access Coalition are researching the co-benefits to health and climate change from low-cost solar clinic electrification. [Visit our website](#) to learn more about how we are working to improve the availability and quality of primary health services.



40% of the global population relies on agriculture as its main source of income.

Improving farm productivity has a direct impact on poverty alleviation. Efficient, affordable, agricultural technologies can increase crop yields and enhance food and income security.

The Coalition's **Solar Water Pump Technical Working Group** brought key industry stakeholders together to develop a technology roadmap that is shaping our R&D funding and market development programmes for solar pumps. [The roadmap](#) provides a pathway to accelerate the availability and affordability of technologies that can help improve the efficiency and performance of solar water pumps.



EFFICIENCY FOR ACCESS COALITION

A coalition promoting energy efficiency as a potent catalyst in global clean energy access efforts.

Efficiency for Access is a coalition of aid agencies and foundations working together to promote high-performing appliances that contribute to energy access. Working closely with companies, investors and implementing partners, the Coalition builds markets that boost incomes, reduce carbon emissions, improve quality of life, and support sustainable development. Current Efficiency for Access Coalition members have programmes and initiatives spanning three continents, 44 countries, and 22 technologies.



The Efficiency for Access Coalition is coordinated jointly by CLASP, an international appliance energy efficiency and market development specialist not-for-profit organization, and the UK's Energy Saving Trust, which specializes in energy efficiency product verification, data and insight, advice, and research.



INVESTOR NETWORK

Efficiency for Access and Acumen have partnered to create the [Efficiency for Access Coalition Investor Network](#), a group of more than 30 leading investors who have expressed strong interest in making investments into companies working on “productive use”, or income-generating, appliances, but first want to gain stronger market insights. The Efficiency for Access Investor Network seeks to break down barriers so that investors can pinpoint where the off-grid appliance market needs to further mature, and where capital can be instrumental in bringing productive use technologies closer to commercial viability.

If you are interested in joining the the Efficiency for Access Investor Network or becoming a Programme Partner, please contact info@efficiencyforaccess.org.



PROGRAMME PARTNERS

To ensure the Coalition has appropriate touchpoints and feedback mechanisms across the various stakeholders comprising the energy access space, and useful insights into the technologies and markets of focus, we work in partnership with a number of influential amplifiers, media outlets, and industry representatives, and specialists. These [Programme Partners](#) provide advice, consultation, and review of programmatic activities taken up under the Coalition, as well as support around communication and dissemination activities.

Collaborate with us to change the way the world accesses energy-dependent technologies.

FEATURED COALITION PROGRAMMES

GLOBAL LEAP AWARDS RESULTS-BASED FINANCING

The [Global LEAP Awards results-based financing](#), with support from UK aid, Power Africa, Energising Development, and USAID through the Powering Agriculture Energy Grand Challenge, accelerates the global off-grid appliance market by incentivising manufacturers and distributors to supply large quantities of winning and finalist products from the Global LEAP Awards cycles. To date, the incentives have catalyzed the procurement and distribution of over 264,000 best-in-class TVs, fans, and refrigerators across Bangladesh and East Africa. An additional 12,800 solar water pumps and refrigerators will be distributed in the coming year.

>264,000

best-in-class off-grid appliances have been purchased as part of the procurement incentives programme.

“This program has been a life support for the promotion of energy efficiency and quality products in such a price sensitive market like Bangladesh.”

Shah Mohammad Maksudul Gani
Head of SCS Business, Rahimafrooz

EFFICIENCY FOR ACCESS DESIGN CHALLENGE

In partnership with Engineers without Borders UK, we launched the [Efficiency for Access Design Challenge](#) to inspire students to recognise the pivotal role they can play in the industry: they will compete to develop the most innovative designs, with a strong emphasis given to inclusivity and reparability as well as the environmental, social and cultural aspects of engineering design. The first round of the Design Challenge will culminate in June 2020 at the Grand Final, where students will pitch their projects to a panel of experts, who will recognise the best projects from across the competition on criteria such as improved efficiency, affordability, inclusivity, and market-readiness.

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universities from the UK, Kenya, Uganda and Bangladesh are participating in the first year of the challenge.

“Design challenges are a great way to equip future generations to focus on global challenges, such as access to energy, and continue to improve lives everywhere.”

Katie Cresswell-Maynard
CEO, Engineers Without Borders UK

RESEARCH & DEVELOPMENT PROJECTS

The Efficiency for Access Coalition, supported by UK aid and the IKEA Foundation, will invest funding into Research and Development (R&D) projects with the aim to accelerate the availability, affordability, efficiency and performance of appliances that are particularly suited to developing country contexts and promote social inclusion. The first two rounds of R&D calls led to the distribution of over £2.67M to awardees. The current round is funding projects with a focus on inclusivity and interoperability. With support from UK aid and IKEA Foundation, up to £2 million in additional funding is now available.

£2M

in funding is currently available, with grants ranging from £50,000 to £300,000 per project

“The expansion of energy access has, as of yet, not benefited the world’s cooks. With R&D funding for the development of super efficient electrical cooking appliances, we can provide products that nurture life.”

Peter Scott
Founder and CEO, BURN Manufacturing