

## Efficiency for Access Design Challenge Download: October 2023



Greetings and a warm welcome to the October 2023 edition of the Efficiency for Access Design Challenge Download. We're excited to embark on a journey through the world of clean energy access, sustainable technologies, and responsible engineering with you. If you have ideas to share or simply want to connect, please reach out to us at [eforachallenge@est.org.uk](mailto:eforachallenge@est.org.uk).

### Challenge Launch

We're thrilled to announce the launch of our Challenge for the academic year 2023-2024, brought to you by Efficiency for Access in partnership with Engineers Without Borders UK. With the Challenge now entering its fifth year, this challenge has gained a reputation for showcasing innovation and positive change.

The Challenge empowers teams of university students to drive clean energy access by crafting affordable, high-performance off-grid appliances and enabling technologies. This is a chance for forward-thinking students to make a lasting impact in energy access, addressing issues facing their local communities, and on a global scale.

We look forward to seeing the innovative ideas of our Challenge participants flourish, from creative concepts to marketable designs. You can find a [list of the participating universities](#) on our website.

### The Challenge Brief 2023-2024

The Challenge Brief is now ready for you to explore and download directly from our website. [You can read it here.](#)

This brief aims to give the reader everything they need to know about the Challenge and enhance their understanding of clean energy access and solar appliances, helping them to frame their project and design a solution. It provides insight into the scope of the competition, defines the assessment framework, and explores the design principles and themes to help guide and inspire Challenge participants.

### Speakers, mentors and reviewers - We need you!

Would you like to share your industry knowledge to empower students to chart their own path in design?

As part of the Challenge, we work with educators, professionals and industry partners to provide valuable guidance to our participating teams through mentorship, helping to inspire innovative ideas, and steer the design developments to success.

You have the opportunity to be a part of a team's journey by delivering workshops, narrating your career journeys, and offering insights into your specialised fields and industries.

As a key player, you will engage in evaluating and providing feedback to Challenge participants on their creative submissions. Using our assessment framework, you will ensure that these submissions embody the fundamental principles of innovation, sustainability, social impact, and scalability.

If you're interested in becoming a speaker, mentor, or reviewer for the Efficiency for Access Design Challenge, please don't hesitate to reach out to us. Your expertise and engagement are vital to our mission. Connect with us through our [sign up form](#), or by email: [eforachallenge@est.org.uk](mailto:eforachallenge@est.org.uk)

### Accelerator Programme

We have launched the pilot of the Efficiency for Access Design Challenge Accelerator Programme with team 2021-06 from year three of the Challenge. Now called Farmality, the team won a Silver Award for their solar-based food dehydrating system. They then took their design beyond the Challenge and turned it into a small business, selling dried fruit and other produce.

In partnership with [Energy Catalyst](#), the Efficiency for Access Design Challenge Accelerator Programme will support Farmality over a three-month period. Tailored to their needs and aspirations, this holistic programme will help them to commercialise their new business and provide them with essential business skills.

Applications are currently open for the first cohort of the full six-month programme and will close on 11 October 2023.

### Efficiency for Access Design Challenge Internship Programme

Efficiency for Access and Shortlist are delivering the Efficiency for Access Design Challenge Internship Programme for the Challenge participants in Sub-Saharan Africa (SSA). The Challenge's Internship Programme is an opportunity for companies to hire recent graduates seeking experience in the clean energy sector, to offer the opportunity to work on real-world projects, under the guidance of experienced professionals.

Are you a company in the clean energy sector interested in hosting an intern? Register your interest [here](#).

If you want to learn more about this programme, please get in touch on [eforachallenge@est.org.uk](mailto:eforachallenge@est.org.uk)

### A quote from an Efficiency for Access Design Challenge Gold Winner

*"To future students, the one thing I would like to let you know is this decision I took when participating in this Challenge; it is definitely one of the greatest decisions I've made. This Challenge alone taught me how to actually think when it comes to designing an impactful project that changes the world. The way this Challenge was designed, I later realised, it's like a step by step to make sure your project stands up and is good enough to represent in front of the whole world."* **Siam Ibne, student from team 2022-24, Independent University, Bangladesh**

### News from our Network

#### Engineers Without Borders UK

How can technology help to create a sustainable and equitable society?

Discover at Engineers Without Borders UK's panel discussion "Technology: For all?". With insights from guest speakers, delve into the role that technology stewardship play in creating a safe and just future for all. This is also your chance to connect with individuals who share your dedication to putting global responsibility at the heart of engineering.

When: Wednesday 11 October 2023, 5.30pm-7.45pm GMT)

Where: Cottons Centre, London, SE1 2QG

[Book your place now.](#)

## The Transforming Energy Access - Learning Partnership (TEA-LP)

The [TEA-LP](#) programme has expanded to include 30 universities across Africa, South East Asia and the Indo Pacific, all delivering Masters' level curricula on achieving energy access through renewable energy sources. That includes nine universities also participating this year in the Efficiency for Access Design Challenge.

TEA-LP will also launch a Continuing Professional Development (CPD) course titled "Integrated Energy Systems" on October 23, 2023.

### African Management Institute

The TEA-LP in collaboration with the [African Management Institute](#) (AMI) has launched the [Future Female Leaders in Energy course](#) which has welcomed its inaugural cohort, with the next intake starting on 16 October 2023.

### 2023 Ashden Awards: celebrating clean energy trailblazers

The annual Ashden Awards are back on Tuesday 14 November – an evening of inspiring solutions and stories from the frontline of climate action.

[Join online or in-person in London](#) to celebrate the trailblazers bringing clean energy where it's needed most – lighting up off-grid rural villages, supporting refugees and rural farmers, and powering up the global clean energy workforce.

### Shortlist - new research report published

As part of the "Women for Green Jobs" funded by The Global Energy Alliance for People and Planet, Shortlist has published a report: "[Bottlenecks & Breakthroughs: Advancing Gender Equity in African Clean Energy](#)".

Clean energy companies across Africa are making concerted efforts to diversify their workforces, making a particular effort to attract, hire, and retain women. This report further illuminates the challenges women still face in accessing jobs within the clean energy industry, highlighting the voices and experiences of women who are breaking into this sector.

### DT Global - High Volume Transport Programme

The [High Volume Transport - HVT](#) programme, funded by UK aid/FCDO and implemented by DT Global, has delivered impactful work on e-mobility in the Global South, in collaboration with [Sum4all](#).

Research publications include: [E-mobility in Low-Income Countries in Africa: Finance, Governance, and Equity](#), concluding that transitioning to low-carbon transport needs to be considered in light of other transport and development goals, including access for all, efficiency, and safety.

In the Global South, accessibility to transport infrastructure and services, affordability, road traffic congestion, air and noise pollution, safety, and system efficiency remain key development challenges.

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