

ENERGY CATALYST

Briefing and Brokerage
by Innovate UK

7th June 2022 | 09:30 – 15:45



Innovate
UK



Department for
Business, Energy
& Industrial Strategy



Foreign,
Commonwealth
& Development Office

Agenda

10:00

Introduction - Energy Catalyst: Scope & Eligibility (Q&A)

11:15

Break and Networking

11:45

Application Process (Q&A)

12:20

Making a good Application/Consortium Building

12:45

Pitches from potential partners

13:15

LUNCH & NETWORKING

14:15

Energy Catalyst Accelerator Program

14:35

Gender & Social Inclusion

14:50

Case Study from a previous round of Energy Catalyst

15:00

In-person networking

ENERGY
CATALYST

Introduction to Innovate UK and Energy Catalyst

Amy Flynn



Innovate
UK



UK Research and Innovation and Innovate UK

We work with the government to invest over £7 billion a year in research and innovation by partnering with academia and industry to make the impossible, possible. Through the UK's nine leading academic and industrial funding councils, we create **knowledge with impact.**



**UK Research
and Innovation**

Innovate UK



Inspire

- Provide thought leadership on business led innovation, state of the art and focus areas
- Contribute to the government's innovation strategy



Invest

- Explore the potential of a new area
- Develop new products, processes or services
- Accelerate the process of going from idea to market



CATAPULT

Involve

- Potential collaborators and relevant expertise
- Access to equipment and facilities
- Regional presence

Core Activity: Funding & Growth Support

£1,300 Million

Managed Programmes

Government Funding via Managed Programmes (APC, ATI, SBRI etc.): Focused programmes in key industries.

ISCF competitions

In Grand Challenge areas:

- AI & Data-Economy
- Ageing Society, Health and Nutrition
- Manufacturing, Materials & Mobility
- Clean Growth and Infrastructure

Innovation Loans

Larger funding for projects closer to market with £250k - £1.6m funding gap who can justify the loan repayments. **See later in presentation.**

Investor Partnerships

Aligns grant funding with VC and Angel equity investment to maximise impact and reduce risk. Accelerating investment and supporting growth through innovation. **See later in presentation.**

Responsive (sector agnostic)

Including Smart Grants, KTP (knowledge transfer), ICURe (academic start ups)...

Innovation & Growth Advisors

Innovation and Growth Specialists in every region, delivering advice on strategy, finance, IP and global markets to accelerate the growth of innovative small & medium businesses. Managed by Innovate UK EDGE. **See later in presentation.**

**Key outcomes
2020 - 2021**

1,500

Products / services
launched

£300m

Follow-on
investment

2,500

Jobs over
next 3 years

ENERGY
CATALYST

**Energy Catalyst
Background**

The Energy Catalyst's mission is to **accelerate the innovation needed to reach sustainable development goal 7**. By providing financial and advisory support to innovators we help create strategic partnerships, uncover insights and develop business models to improve lives in Africa and Asia.



The Energy Access Challenge



- > Around 789 million people still lacked access to electricity in 2018.
- > Without sustained efforts, 650 million people will still be left without access to electricity in 2030.
- > Estimated that poor electricity access is costing Africa 2% point reduction off gross domestic product (GDP) growth each year.
- > Vast majority (80%) of those gaining access to electricity worldwide are in urban area.
- > Represents a major opportunity for decentralised and smart energy systems
- > Need to limit global warming below 1.5°C

Accelerate solutions

- > Financial and advisory support provide a springboard for innovators to de-risk, demonstrate and deploy solutions for ending energy poverty

Build networks

- > Support catalyses strategic partnerships and connections across the energy access ecosystem to help commercialise new technologies and business models

Unlock impact

- > This support aims to help innovators pioneer new ways to improve lives in Africa and Asia and create economic opportunities

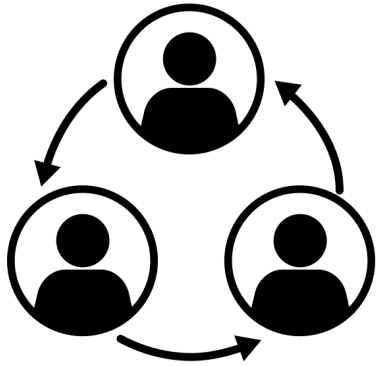
Share knowledge

- > By uncovering new insights from testing and demonstrating innovation, the Energy Catalyst contributes knowledge, case studies and lessons learned which benefit the wider energy access ecosystem



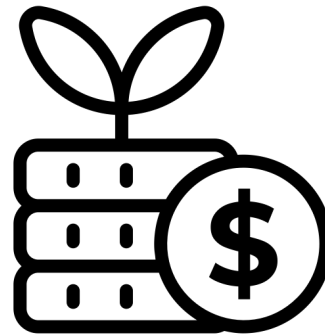
Energy Catalyst combines three key activities to deliver this vision

Collaboration



Collaboration building to help innovators find project partners

Competition



Open grant calls to develop and demonstrate innovative tech and business models

Acceleration



Business advice, learning from overseas, showcasing and dissemination

Success Statistics for Energy Catalyst Competition

Total Grant Available for round		Applied				Scored over threshold				Funded			
		Total	Early	Mid	Late	Total	Early	Mid	Late	Total	Early	Mid	Late
<i>Round 6</i>	£10m	119*	42	67	10	58	20	37	1	18	8	9	1
<i>Round 7</i>	£32m	200**	92	92	16	115	44	59	12	61	32	23	6

*Eligible applications; **Total Applications

ENERGY CATALYST

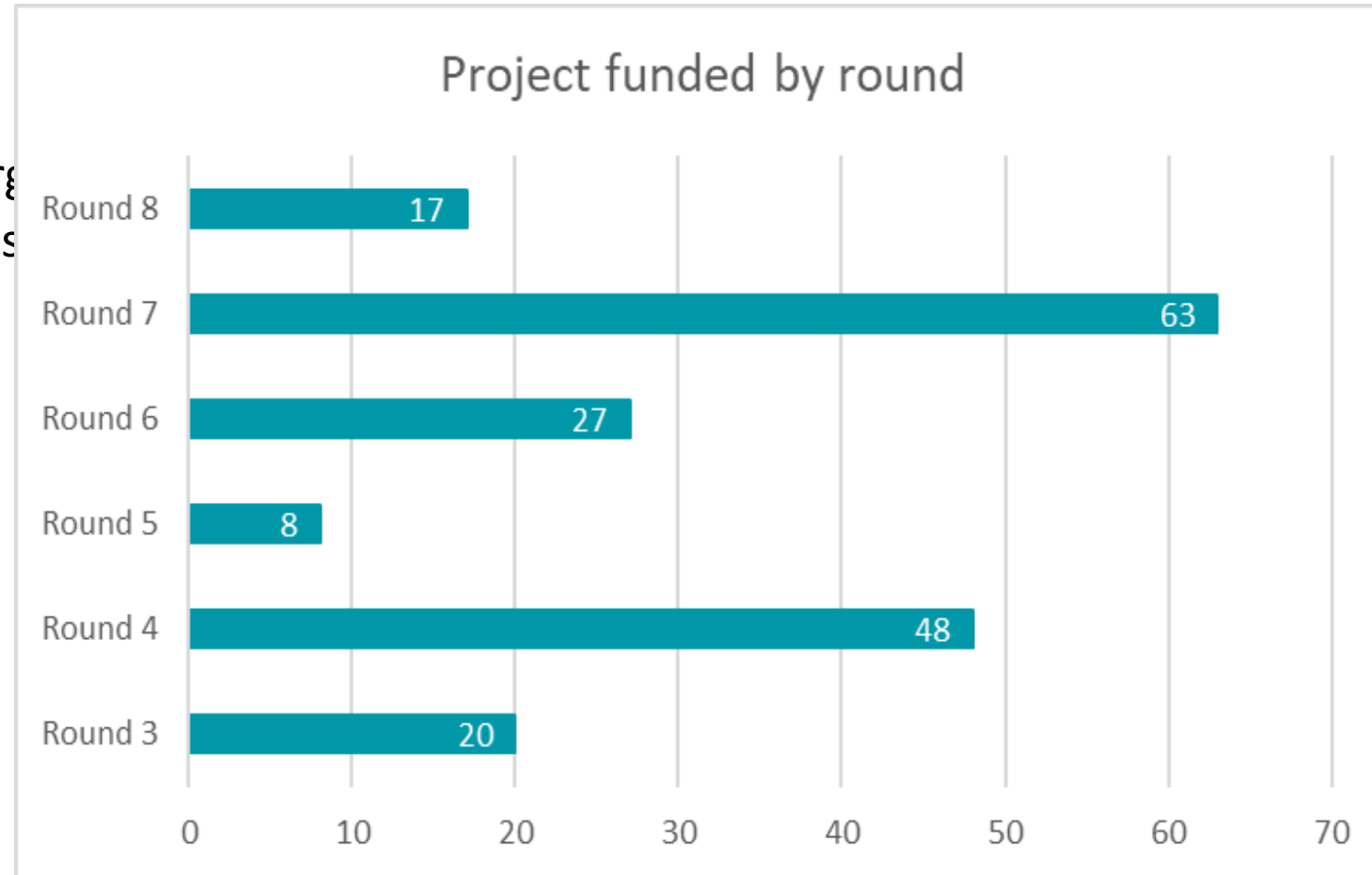
Impact to Date



Energy Catalyst has supported 183 energy access relevant projects to date

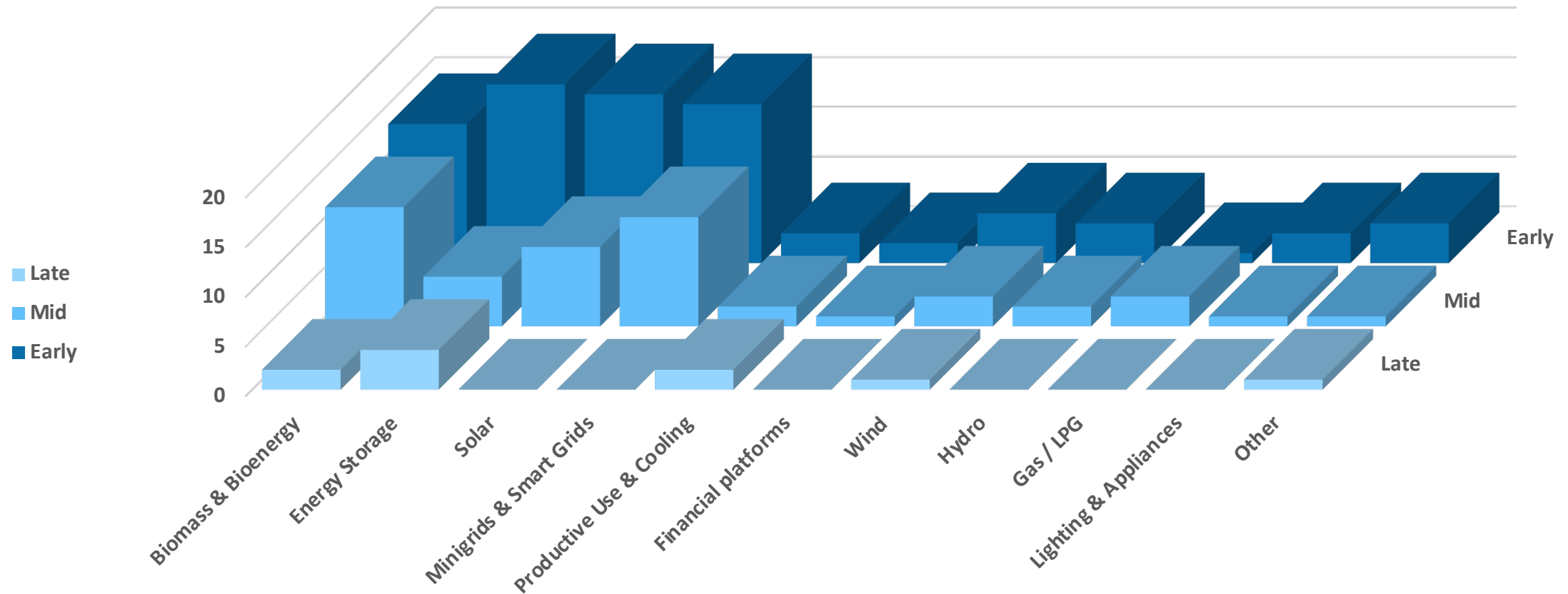
£60 million of this funding is official development assistance support to energy access relevant technologies and business models comprising:

- 183 projects
- Over 350 unique organisations
- Wide range of energy access technologies and themes
- Targeting over 34 countries in Sub-Saharan Africa and South and South East Asia



Biomass, energy storage, solar and minigrid related projects represent the largest segments of the programme

Projects by Technology Category and Stage



Note: Funding has been prioritised toward storage and bioenergy projects

Where we fund



Impact



ECAP Wall of Fame

Mandulis Energy 762 followers

New Year's Joy! Mandulis Energy's CEO Peter BenHur Nyeko has been announced as a speaker at the upcoming Africa Investment Conference 2022 #AIC2022 hosted by the Department for International Trade (DIT) on 20th January 2022. Register here to attend: <https://bit.ly/3i4Sezc>

#BritishBusiness #Investment #RenewableEnergy #SDG7 #Africa #NetZero #TogetherforourPlanet

With thanks to Her Majesty's Trade Commissioner for Africa at the Department for International Trade, Alastair Long

Africa Investment Conference 2022
20 January 2022

Peter BenHur Nyeko
CEO, Mandulis Energy

Maria Knodt and 25 others 1 comment

MODULARITY GRID 733 followers

Power for All 15,255 followers

Driving a cheaper #GreenEnergy system: As prices rise, entrepreneur Elizabeth Nyeko is rewriting the energy rule book to help farmers save money with greener, cheaper power using an innovative, decentralized approach <https://buff.ly/3fMAJqy> #SDG7 #PoweringAg

Transforming Energy Access 608 followers

Congratulations to **Mobile Power** on securing funding from the **Beyond the Grid Fund for Africa** (BGFA) to expand its innovative battery as a service business model to Liberia, to provide short-term rentals of solar-charged batteries for households, electric vehicles, and small businesses to power productive use appliances.

Support from the Powering Renewable Energy Opportunities programme #PREO, part of the Transforming Energy Access platform, enabled Mobile Power to develop and pilot its multi-purpose MOPO battery in Sierra Leone, and the company has been successful in leveraging the technology to replicate in other territories and use cases. It is great to see Mobile Power continue to build on the success of the pilot project to unlock new funding opportunities.

Read more here: <https://lnkd.in/eGVAHrPF>

Mobile Power #TransformingEnergyAccess #KEA Foundation Foreign, Commonwealth and Development Office Energy 4 Impact The Carbon Trust

GTEC 941 followers

Great combination with **GTEC** that we start the process of creating the green jobs needed to **#buildbackgreener** **AceOn Group** - our ...see more

Our latest **#BlogPost** covers GTEC's **#BatteryStorage** course running at **Telford College** with support from **AceOn Group** - **#Telford**'s own "specialist **#Battery** supplier and manufacturer". Follow the link below for the full story, featuring insight from GTEC MD **Griff Thomas**, AceOn MD **Mark Thompson**, and **Beckie Bosworth** - **#TelfordCollege**'s employer engagement manager.

#Renewable #Renewables #Upskill

Powering ahead with new battery storage systems courses - GTEC Training
gtec.co.uk • 3 min read

Institution of MECHANICAL ENGINEERS

Homepage > News > News article

ARTICLES

Forward Thinkers: From the birth of nuclear power to biomass micro-grids
16 Feb 2022
Joseph Flaig

SOURCE: Trailblazing local circular food systems

SOURCE
A smart, circular approach to food, energy, water and waste to benefit people and planet

£5,510 raised so far
48 supporters

Donate

SOURCE turns food waste into energy, fertiliser and compost to grow healthy crops and create local jobs - in the heart of our cities!

Toby Hammond · 2nd
Helping smallholder farmers across the world improve their farm productivity with our robust &...
2h · Edited ·

Solar radiation is thinly spread across the earth's surface, so to power something like a water pump, you need solar panels with a large surface area. This makes them heavy and expensive which is a major barrier to scaling our impact.

Futurepump has just signed an agreement with UK tech firm **Power Roll Ltd**, who have developed a novel solar film that is 1/5th the weight and a fraction of the cost of silicon PV. Their rollable solar panels will enable farmers across the world to harness the sun's energy without needing a trolley to cart around heavy and cumbersome glass-framed panels.

Can solar film be used to power irrigation pumps?
energy-now.co.uk · 2 min read

Faisal Ghani, PhD · 2nd
Scotland's Inventor of the Year, CEO & Founder of SolarisKit Ltd
50m · Edited ·

Another solar hot water syst This household was previous gas to boil water on the stove water to have a warm shower (for the first time) u Lower energy bills and lower looking pretty darn awesome

Scotland's Inventor of the Year, CEO & Founder of SolarisKit Ltd
50m · Edited ·

We are making great progress with our installations in Rwanda thanks to a fantastic partnership with **Francine Munyaneza**, the **Munyax Eco** ...see more

SolarisKit Ltd 1,278 followers
9h · Edited ·

Another system installed in Kanombe, #Rwanda! This household did not have a hot water system, relying on gas to heat water on the ...see more

Our fifth solar hot water sy using SolarisKit's flat-pack solar thermal collectors! O

SolarQuarter 32,540 followers
8h · Edited ·

'EPC Company of the Year' award goes to the very deserving **Ariya Finergy** at our recently held 'Africa Rooftop Solar Congress 2022 Awards Ceremony'. Our proud winner is the industry leader in supplying and financing clean energy, storage, and power quality systems. The company continues to redefine the African solar market with its amazing work. Con

Troy Barr #alternati nergy #re rooftops oftop #sca h #smart rpv #solar ergygrid

Ariya Finergy 814 followers
2h · Edited ·

Ariya is On the Radar!
We are honoured as the Daily Nation has highlighted our CEO **Jenny Fletcher** as 1 of 5 **#women** to watch in 2022!

Our team is ready as your **#powerpartner** to bring our unmatched technical expertise and dedicated services across Africa. Let's get started today!

#solar #media #sustainable #africa #womeninenergy #womenchangemakers #renewableenergy #team

ON THE RADAR

PROF PATRICIA KIMBORO	MARY WATTS	JENNY FLETCHER	JOAN PEREMBAH	MARGARET WHYTE
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Solar Polar Limited 343 followers
2h · Edited ·

Proud to say we have been recognised as one of the Top Five Businesses Supporting Hospitality Sector Recovery. Thank you, **Hospitality Net**

#solar #solarheat #solarthermal #solarpariaheater #solarterracheater #netzero #sustainableenergy #hospitality #businessandmanagement #thankyou #sustainability

https://lnkd.in/d74vbB_y

Single Use Reusable
This reusable cup can service 500 events before being recycled. Please do not take it home or put it in the bin.

Top Five Business Supporting Hospitality Sector Recovery | By Jonny Voon
hospitalitynet.org • 5 min read

Seedrs 28,033 followers
1w · Edited ·

Congratulations to **WASE LIMITED** for reaching 100% of their crowdfunding target 🎉

Backed by **Climate-KIC**, WASE is a super cool company unlocking the power of waste making it a sustainable source of water, energy and fertilisers.

WASE allows drinks, meat, bakery and dairy producers to turn their waste into renewable energy they can use onsite. They are working with some of the highest waste-producing and energy-intensive industries to turn them circular. ♻️

Check out the pitch: <https://bit.ly/3FgNif4>

#circulareconomy #sustainability #recycle #waste #investing #climatechange

WASE
unlocking the power of waste
Capital at risk

Inclusive Energy 629 followers
21h · Edited ·

Sustainable Development Goal 7 aims for energy access for all by 2030, but current approaches aren't working fast enough. The market is highl ...see more

CROWDFUNDING
ching soon at crowdcube.com

o register interest.

Inclusive Energy to Launch on CrowdCube — Inclusive Energy
inclusive-energy • 1 min read

Vijay Bhopal · 1st
CEO at Inclusive Energy
1d · Edited ·

Biogas is really going somewhere in India!

Inclusive Energy is working with the **National Dairy Development Board** under their NNBOMP programme.

Together we are using Smart Biogas to digitise the biogas economy, understanding in detail customer usage patterns and carbon offset achieved.

So far ~300 people from 50 households have been impacted and early results show that customers are substantially reducing their use of LPG (in some cases to nil!). With over 500 million livestock in India alone,

Archie Watts-Farmer · 1st
CEO/Co-Founder at Carnot Ltd
24m · Edited ·

CARNOT 1,409 followers
1w · Edited ·

Honoured to have participated in the **#EncouragingInnovation** campaign, run in partnership with **ITN Productions Industry News** and **Institution of Mechanical Engineers**. A keynote address from Sir Patrick Vallance celebrates the 175th Anniversary of the iMechE.

Full link to the video can be found below: <https://lnkd.in/dZSgZv8Q>

#engineering #mechanicalengineering #imeche #itn #itnproductions #innovation #innovationculture

FUEL ENERGY
35% POWER 70%
35% EXHAUST 30%
30% COOLING 0%

ENERGY
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Energy Catalyst Round 9 Competition

Dr Stafford Lloyd

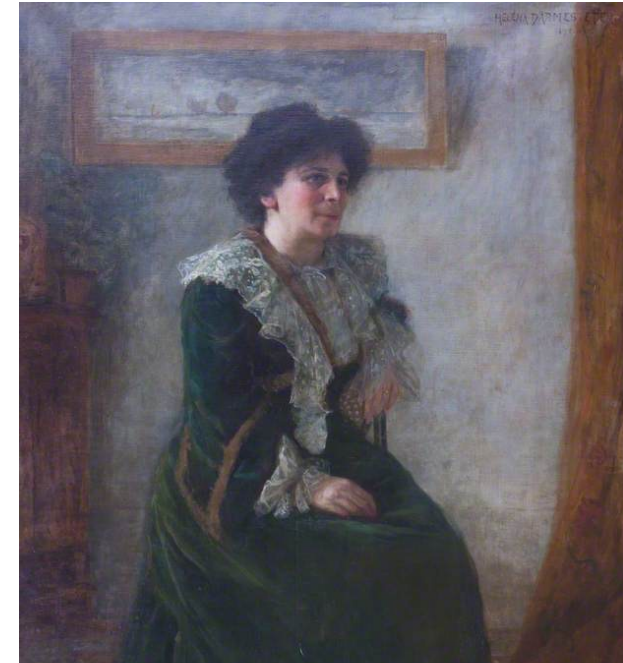


Ayrton Fund

- > **£1 billion** over **5 years** to tackle climate change
- > Split 50:50 between FCDO and BEIS
- > UK aid budget Official Development Assistance (ODA)

Objectives:

- > providing **affordable access** to electricity for those off grid
- > innovative **solar** technology
- > enhancing **large-scale battery technology** to replace polluting diesel generators
- > Clean **cookstoves**
- > reduce carbon output from **industry**
- > improving the technology behind **cooling** systems
- > designing low-emission and electric **vehicles**



Hertha Ayrton: British scientist. Suffragette. Pioneering physicist, mathematician and inventor



Foreign &
Commonwealth
Office



Department for
Business, Energy
& Industrial Strategy



Round 9 Overview

Total amount of funding available up to **£20m**



3

Strands which you can apply into

Early

Mid

Late

To be in scope your project must address the following:

Transforming Energy Access



Clean Energy



Gender equality and social inclusion



1. Transforming Energy Access

- > Aim to speed up access to affordable, clean energy services for poor households, enterprises and social institutions in sub-Saharan Africa, South Asia or the Indo-Pacific region.
- > It must do this by supporting the development, testing or scale up of innovative technologies or business models.
- > A clear social or economic benefit in sub-Saharan Africa, South Asia or the Indo-Pacific Region is required.
- > This can include:
 1. creating new energy access in unserved regions
 2. improving existing access to provide a more reliable service

Transforming Energy Access

7 AFFORDABLE AND CLEAN ENERGY



Eligible Focus Countries

Your project must target one or more of the following **ODA eligible** countries:



Sub-Saharan Africa:

Angola, Benin, Botswana, Burkina Faso, Burundi, Cabo Verde, Cameroon, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Eritrea, Eswatini (Swaziland), Ethiopia, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe (may be ineligible from 13 December 2024), Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe

South Asia:

Afghanistan, Bangladesh, India (only as part of multi country projects), Maldives, Nepal, Pakistan, Sri Lanka

Indo-Pacific (ODA eligible ASEAN):

Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Timor-Leste (not officially part of ASEAN), Vietnam

Indo-Pacific (Pacific Islands):

Federated States of Micronesia, Fiji, Kiribati, Marshall islands, Papua New Guinea (PNG), Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

2. Clean Energy Access

Have a technology or business model which is

Affordable

Reliable

Low carbon

It must do all 3 or it won't be assessed

Clean Energy



3. Gender Equality and Social Inclusion

You need to consider the role of gender equality and social inclusion.

For example, you will need to be able to

- > Identify the main beneficiaries of the project
- > Describe how you will mitigate any negative effects
- > Provide a plan of how to address both gender and social inclusion during the life of your project
- > Explain how your project will encourage equality

Gender Equality and Social Inclusion



Foreign Commonwealth Development Office Funding

FCDO are prioritising their £10m on projects focused in the following Ayrton Challenge areas:

- > next generation solar technologies and business models
- > smart green grids, including mini and main grid related technologies
- > energy storage, including batteries and mechanical storage
- > low carbon hydrogen
- > modern cooking
- > low energy inclusive appliances
- > leave no one behind, specifically technologies and business models
- > targeting poor or marginalised groups or fragile contexts
- > sustainable cooling



Foreign &
Commonwealth
Office

ENERGY CATALYST

Eligibility



UK Aid Budget – Official Development Assistance

Projects must

- > demonstrate that there is a clear economic and social benefit to one or more of the targeted countries.
- > Primary beneficiary ODA eligible country. UK can be secondary beneficiary
- > If you don't prove ODA eligibility we won't send it for assessment.



UKaid
from the British people

Round 9 Eligibility

Early Stage

- **Feasibility Studies**
- £50,000 - £300,000
- Duration 6 to 12 months
- UK SMEs can make sole or joint applications
- Applications must be led by a SME, academic or RTO
- International partners encouraged
- Max 50% research participation

Mid Stage

- **Industrial Research**
- £50,000 - £1.5 million
- Duration 12 to 24 months
- Must be collaborative
- Must be lead by a business
- Some work (testing/demonstration) must be done in SSA or SA
- Partnering with international entity in-country required
- Max 30% research participation

Late Stage

- **Experimental Development**
- £50,000 - £5 million
- Duration 12 to 36 months
- Must be collaborative
- Must be led by a business
- Some work (testing/demonstration) must be done in SSA or SA
- Partner with international entity in-country required
- Max 30% research participation

Types of organisations we fund

- > Business – Small or Micro, Medium or Large Research Organisation (RO):
 - universities (HEIs)
 - not for profit distributing Research & Technology Organisation (RTO) including Catapults
 - Public Sector Research Establishments (PSRE)
 - Research Council Institutes (RCI)
- > Public sector organisations and charities doing research activity

You must involve at least one micro, small or medium-sized enterprise (SME).

If you are 100% owned by a large parent company as a small subsidiary this means you are classed as a large company and will only be entitled to the relevant grant.



The two types of leads

Admin Lead

- > will be the recipient of the award and will distribute funding to international partners (hub and spoke model)
- > will manage and be accountable for the finances for the project in accordance with the terms and conditions of the award
- > must be UK based
- > must claim funding through this competition

Early Stage: UK SME, Academic or RTO

Mid and Late Stage: UK Business only

Technical Lead

- > will lead on the development of the scope, work packages within the project and other work from a technical perspective
- > can be from anywhere in the world
- > can be a micro, small or medium sized enterprise (SME), Academic or RTO
- > must claim funding through this competition
- > UK companies can be both the administrative and technical lead

Early Stage: SME, Academic or RTO

Mid and Late Stage: Business of any size

Example Collaborations

Stage	Technical Lead	Admin Lead	Additional Criteria
Early Stage: Feasibility Studies	<ul style="list-style-type: none"> > can be from anywhere in the world > can be an SME, academic organisation, or RTO 	<ul style="list-style-type: none"> > must be registered in the UK > must be a SME, academic organisation or RTO 	<ul style="list-style-type: none"> > must involve at least 1 SME > UK SME eligible to be both Tech & Admin Lead > encouraged to involve at least one partner with a legal entity in one of the focus countries
Mid Stage: Industrial Research	<ul style="list-style-type: none"> > can be from anywhere in the world > Must be a business of any size 	<ul style="list-style-type: none"> > must be a UK registered business of any size 	<ul style="list-style-type: none"> > must involve at least 1 SME > must involve at least one partner with a legal entity in one of the focus countries
Late Stage: Experimental Development	<ul style="list-style-type: none"> > can be from anywhere in the world > Must be a business of any size 	<ul style="list-style-type: none"> > must be a UK registered business of any size 	<ul style="list-style-type: none"> > must involve at least 1 SME > must involve at least one partner with a legal entity in one of the focus countries

Collaboration

In all collaborative projects there must be:

- > at least two organisations claiming grant within the application (including the lead)
- > The UK admin lead can count as one of the collaborators if they are involved in the project beyond an administrative role

Resubmissions

- > Resubmissions are allowed in Energy Catalyst Round 9



Additional Requirements for Energy Catalyst

- > Energy Catalyst Accelerator
 - > Each project is enrolled into the Energy Catalyst Accelerator currently delivered by the Carbon Trust
 - > The accelerator provides 1:1 support to primarily the technology lead
 - > Cohort support offered to all project partners
 - > Support is provided via MFA with an MFA declaration required at the start of the project.

- > Reporting & Monitoring
 - > Each project will be allocated a monitoring officer (MO) who they will meet with quarterly
 - > You will be required to capture additional key performance indicators
 - > You will be required to complete post-project evaluations reports, 1 and 2 years after completion

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QUESTIONS & ANSWERS

BREAK & NETWORKING

PLEASE RETURN AT 11:45

www.ktn-uk.org



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How to apply

Victoria Meredith
Innovate UK Competitions



Search for a funding competition and review criteria

Innovation competitions

Filter competitions | **5 competitions**

Keywords

Innovation area
Any

Update results

Energy Catalyst Round 9 – Mid Stage

Organisations can apply for a share of up to £20 million to create new or improved clean energy access in sub-Saharan Africa, South Asia or the Indo-Pacific regions.

Eligibility
This competition is open to collaborative applications only.

To be eligible for funding you can be from any country, and must be a:

- business of any size

... applications only.

... any country, and must be a:

- research and technology organisation (RTO)
- charity
- non-governmental organisation (NGO)

You must involve at least one [micro, small or medium-sized enterprise \(SME\)](#).

Open now
Opened: 18 May 2022
Closes: 10 August 2022

Mid Stage

... on to create new or improved clean energy access in sub-Saharan

... 00am

... cation.

[How to apply](#) | [Supporting information](#)

... K, part of UK Research and Innovation, will work with the Commonwealth and Development Office (FCDO) and the Department for Business, Energy and Industrial Strategy (BEIS) as part of the UK Innovation Fund to invest up to £20 million in innovation projects.

This competition is to accelerate the innovations needed to create new or improved clean energy access in sub-Saharan Africa, South Asia or Indo-Pacific regions. This will create a just and inclusive energy transition and extend the benefits of clean energy to all to meet [sustainable development goals \(SDGs\) 7 'Affordable and clean energy' and 13 'Climate action'](#).

Your proposal must focus on:

- improving energy access in [official development assistance \(ODA\)](#) eligible countries in sub-Saharan Africa, South Asia and Indo-Pacific regions
- have a technology or business model which is affordable, reliable and low carbon
- consider the role of gender equality and social inclusion (GESI)

Admin lead: create an account

The admin lead must create an account:

- **UK registered businesses**

Use Companies House lookup as it speeds up our checks by providing your company number. You are unable to enter this at a later date.

- **Research organisations, academics and universities**

Enter your information manually so you are not listed as a business on IFS and ensure you receive the correct funding.



GOV.UK Innovation Funding Service

BETA This is a new service – your [feedback](#) will help us to improve it.

← Back

Create your account

Your organisation

i Your organisation must be UK based to receive funding from Innovate UK

Business

Find your organisation on Companies House
Enter your organisation name or registration number

Companies House search results
Select your organisation from the options below

[NOMENSA LTD](#)
04214477 - Incorporated on 10 May 2001
13 Queen Square, Bristol, BS1 4NT

GOV.UK Innovation Funding Service

BETA This is a new service – your [feedback](#) will help us to improve it.

← Back

Please sign in or create an account

Used this service before?
Please sign into your Innovation Funding Service account.

New to this service?
If you haven't used the new Innovation Funding Service before you will need to create an account.

Innovation Funding Service

Sign in

Email address
Please enter your email address.

Password
Please enter your password.

▼ [Need help signing in or creating an account?](#)

My email and/or password isn't working

If you applied previously using the old service, you will need to create a new account.

[Forgotten your password?](#)

Project Details

Application Team - Collaborators can invite organisations who you are working with on the project. Contributors can invite colleagues from your own organisation to help you complete your application

Application Details - Title, timescales, research category, innovation area and previously submitted application (y/n)

Subsidy basis - Will the project, including any related activities, you want Innovate UK to fund, affect trade between Northern Ireland and the EU? All participants must complete this section.

Equality, Diversity and Inclusion - External survey to complete

Project Summary - Short summary and objectives of the project including what is innovative about it

Public Description - Description of your project which will be published if you are successful

Scope - How does your project align with the scope of this competition? - If your project is not in scope, it will be ineligible for funding

Application Questions (1 of 2)

Detailed guidance available on IFS

Application form		Appendix?
Question 1	Applicant location (not scored)	No
Question 2	Technology lead (not scored)	No
Question 3	Previous Energy Catalyst Project (not scored)	No
Question 4	Eligibility: Target Country (not scored)	No
Question 5	Eligibility: Technology area (not scored)	No
Question 6	Eligibility: In country entity (not scored) (mid and late stage only)	No
Question 7	Eligibility: Official Development Assistance (ODA) (not scored)	Yes – mandatory
Question 8	Eligibility: Gender Equality and Social Inclusion (not scored)	No
Question 9	Need or challenge	No

Application Questions (2 of 2)

Detailed guidance available on IFS

Application form		Appendix?
Question 10	Approach and innovation	Yes - optional
Question 11	Team and resources	Yes - optional
Question 12	Market awareness	No
Question 13	Outcomes and route to market	No
Question 14	Wider impacts	No
Question 15	Project management	Yes - mandatory
Question 16	Project legacy	No
Question 17	Risks	Yes - mandatory
Question 18	Added value	No
Question 19	Costs and value for money	No



Innovate
UK

Application finances

Labour

Eligible:

- staff working directly on project
- paid by PAYE (or in-country equivalent)
- NI, pension, non-discretionary costs

Ineligible:

- dividends
- bonuses
- non productive time
- overtime

Labour £25,862 —

You can claim the labour costs of all employees you have working on your project.

▶ [Labour costs guidance](#)

If your application is awarded funding, you will need to account for all your labour costs as they occur. For example, you should keep timesheets and payroll records. These should show the actual hours worked by individuals and paid by the organisation.

Working days per year

Number of staff and roles within the project

Role within project	Gross employee cost	Rate (£/day)	Days to be spent by all staff at this grade	Total costs	
<input type="text" value="Project Manager"/>	<input type="text" value="50000"/>	£216	<input type="text" value="120"/>	£25,862	Remove
<input type="text"/>	<input type="text" value="0"/>	£0	<input type="text" value="0"/>	£0	Remove

[Add another role](#)

Total labour costs **£25,862**

Capital expenditure

Expenditure on capital is eligible for funding. All materials must be directly related to and essential to the goals of the project. Energy Catalyst is funded by the official development assistant (ODA) budget. If you plan to leave capital equipment in the ODA eligible country you can, in principle, fully depreciate the costs.

Assets can be transferred but before Innovate UK can agree to this, you must provide evidence that:

- the asset will be put to a good developmental purpose
- the recipient has adequate resources to maintain and operate the asset, including purchase of any consumables
- the item will not be sold or disposed of, or diverted for another purpose, within a 12 month period of the end of your project
- the recipient has adequate controls in place to ensure that the assets are used as intended
- any local requirements, regarding duties and taxes, or any other formalities, on transfer will be met
- IT Equipment is disposed of in line with EU Waste Electrical and Electronic Equipment (WEEE) Regulations and all personal data will be removed

This evidence should take the form of an end of life plan. If you are successful in being awarded funding, our project finance team will ask for this evidence to sign off your finances as part of project set up.

Subcontractors

Justified and quantified.

If you are subcontracting to a parent or sister company, please ensure you list at cost and do not include profit.

You can subcontract work if you don't have the expertise in your project team. You can also subcontract if it is cheaper than developing your skills in-house.

▶ [Subcontracting costs guidance](#)

Please provide details of any work that you expect to subcontract for your project.

Subcontractor name

Robotics experts ltd

Country where the subcontractor will work

UK

Role of the subcontractor in the project and description of the work they'll do

facilitation and availability of robotics labs

Cost

36795

Funding

Funding rules

The level of funding awarded will depend upon the type of organisation and the type of research being undertaken in the project

Funding is calculated by project participant

IFS will advise the maximum grant % you can request based upon your answers to:

- type and size of organisation
- research category defined by the lead applicant in the Application Details section of the application

Organisation or type of activity	Technical feasibility studies and industrial research	Experimental development
Business (economic activity)	Micro or Small – 70% Medium – 60% Large – 50%	Micro or Small – 45% Medium – 35% Large – 25%
Research organisation (non-economic activity)	Universities – 100% (80% of Full Economic Costs) Other research organisations can claim 100% of their project costs	Other research organisations must: <ul style="list-style-type: none"> • be non-profit distributing and • disseminate the project results and • explain in the application form how this will be done
Public Sector Organisation or Charity (non-economic activity)	100% of eligible costs	Must: <ul style="list-style-type: none"> • be performing research activity and • disseminate project results and explain in the application form how this will be done • ensure that the eligible costs <u>do not include work / costs already funded</u> from other public sector bodies
Research organisations (undertaking economic activities) Organisations receive funding related to the size of their organisation	Micro or Small – 70% Medium – 60% Large – 50%	Micro or Small – 45% Medium – 35% Large – 25%

Consortium

Worked example – £300k total cost project

Project costs for 5 partners (1 SME, 1 University and 1 large), doing industrial research.

Organisation type	Organisation size	Total eligible project costs	Maximum % of project costs which may be claimed as a grant	Requested grant amount	Required match funding contribution
Business	Medium	£150,000	60%	£90,000	£60,000
Business	Large	£47,000	50%	£23,500	£23,500
University	HEI (80% FEC)	£103,000	100%	£103,000	nil**
Total		£300,000		£216,500	£83,500
** 20% FEC not to be shown as a contribution					

Research base costs	£103,000
Research participation rate of total eligible projects costs (cannot exceed 50%)	34%



Innovate
UK

Academic partners

UK Academic Partners - Je-S

We use the Research Councils' Joint Electronic Submission System (Je-S) to collect UK academic finances.

The Je-S system automates the collection of Full Economic Costs (FEC) based costs from academic partners and tells them exactly what numbers should be used in the application form for their costs.

Also to collect project finance details from non-HEIs (e.g. RTOs) that are claiming they are carrying out academic quality work and want to be funded on an FEC basis.

Using Je-S means that Innovate UK follows standard Research Council guidelines on funding universities and enables Research Councils to easily co-fund Innovate UK projects.

The Je-S system is completely separate from Innovate UK and we cannot advise on its usage.



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UK

Submitting your application

Project cost summary

Project cost breakdown								
	Total	Labour	Overhead costs	Materials	Capital usage	Subcontracting costs	Travel and subsistence	Other costs
Barry Shaw Experts Ltd Partner	£230,162	£84,052	£16,810	£90,550	£0	£35,000	£3,750	£0
EMPIRE LTD Lead organisation	£331,442	£222,414	£44,483	£11,750	£13,000	£36,795	£3,000	£0
University of Bath Partner	£19,762	£8,104	£5,731	£412	£0	£0	£504	£5,011
Total	£581,366	£314,570	£67,024	£102,712	£13,000	£71,795	£7,254	£5,011

This is the level of cost detail that the assessors will see during the assessment process.

Ensure the highlighted costs fits the criteria for this competition with a maximum total project cost of up to £300,000 for early stage, £1,500,000 for mid stage and £5,000,000 for late stage.

All organisations can see a summary of project costs.

Checking your finances are complete

Finances Summary

The following organisations have not marked their finances as complete:

- EMPIRE LTD



[Return to the finances section to complete your finances](#)

This application cannot be submitted unless finances have been marked as complete by all partners.

		Total costs	% Grant	Funding sought	Other public sector funding	Contribution to project
Barry Shaw Experts Ltd Partner	✓	£230,162	70%	£161,113	£0	£69,049
EMPIRE LTD Lead organisation	⚠	£282,655	70%	£197,859	£0	£84,797
University of Bath Partner	✓	£239,114	0%	£0	£0	£239,114
Total		£751,931		£358,972	£0	£392,959

All organisations have marked their finances as complete.

Research organisation participation is no greater than 50% of the total project costs for early stage projects and 30% for mid and late stage.

IFS DOES NOT VALIDATE TOTAL PROJECT COSTS

Editing a submitted application

[test](#)
Application number: 242
Competition: 599 Covid de minimis round 2

Awaiting assessment

Application submitted

[Reopen](#)

Reopen by clicking here

Terms and conditions
You must agree to these before you submit your application.

[Award terms and conditions](#) ✓ Complete

[Review and submit](#) [Print your application](#)

Remember to press
'Submit application'

Terms and conditions [Open all](#)

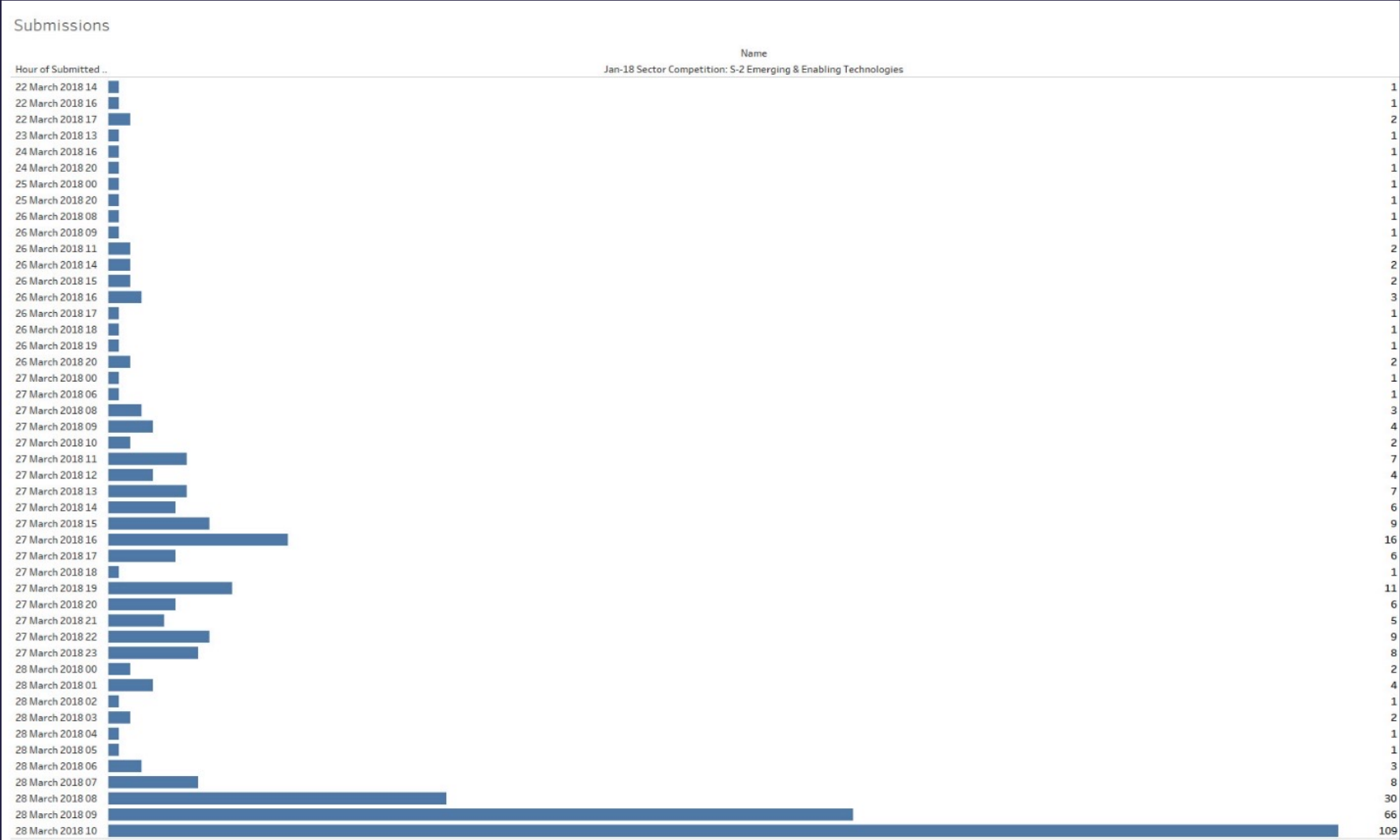
[Award terms and conditions](#) ✓ Complete +

[Submit application](#)

Need help with this service? [Contact us](#)

Submit your application early!

Customer Support can help resolve any issues you might have when submitting but only if they are contacted before the deadline. Once the deadline has passed, your application cannot be submitted.





Innovate
UK

Assessment

How do our assessors assess?

www.imcpawork.ukf.org

0300 001 4057



IMCP
UK



How are successful applications selected for funding?

www.innovateuk.gov.uk

0200 311 4457





Innovate
UK

Project setup for successful applicants

Notification

If you are unsuccessful in this competition

You can use the feedback from the assessors to develop your idea and apply into another competition that allows previously submitted applications

If you are successful in this competition

- you will be assigned a Delivery Executive who will guide you through the Project Set Up process
- you will have 7 days to complete the project team, project details and bank details
- you will then have 90 days to complete project set up – funding may be withdrawn if this is not completed within this timeframe

Please ensure all your contact details in the IFS portal are correct and up to date and that you regularly monitor it.

Key Dates

Timeline	Dates
Competition Opens	18 May 2022
Briefing Event	25 May 2022
Submission Deadline	10 August 2022, 11:00
Applicants informed	21 October 2022

**ENERGY
CATALYST**

QUESTIONS & ANSWERS

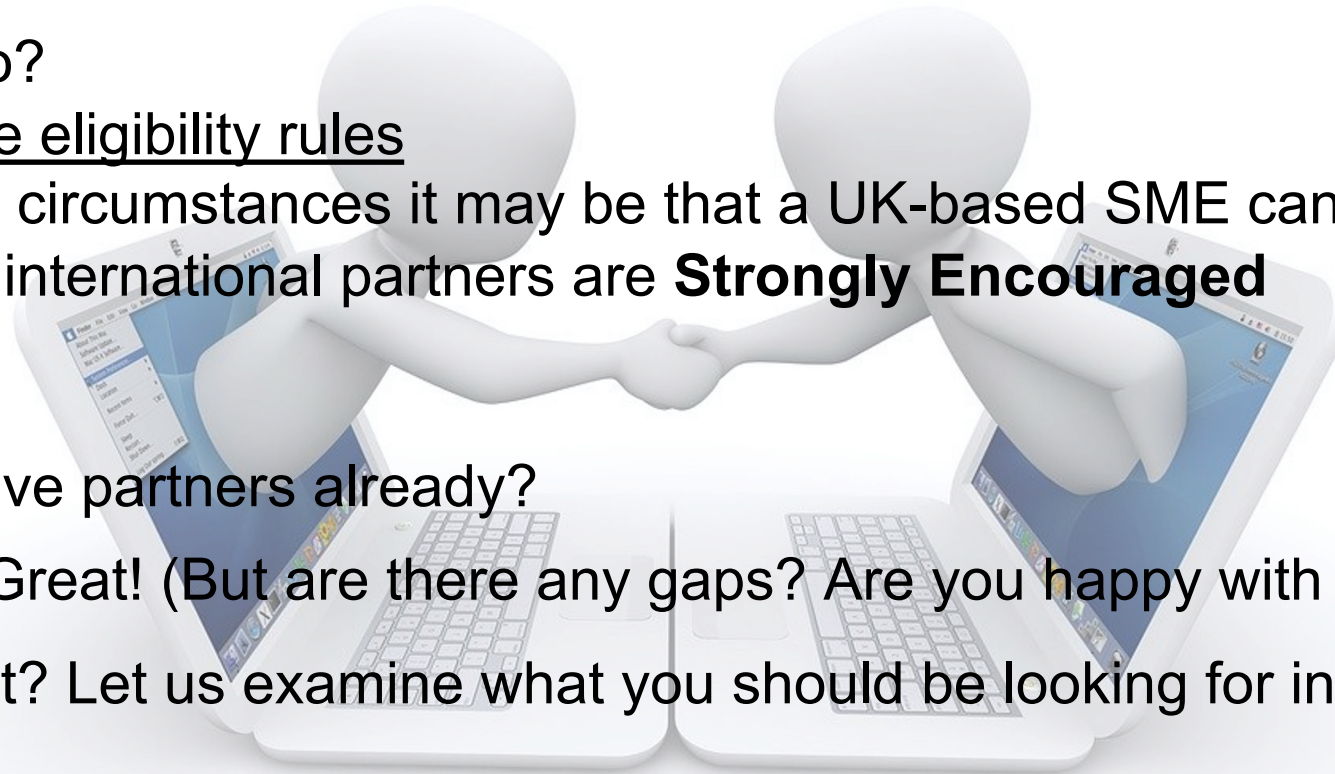
Building a Good Consortium

(and making a good submission)

Jonathan Abra, Innovate UK KTN

Building a Consortium – who should you partner?

- Do you need to?
 - Check the eligibility rules
 - In certain circumstances it may be that a UK-based SME can apply alone
 - Even so, international partners are **Strongly Encouraged**
- You do?
 - Do you have partners already?
 - ✓ Yes? Great! (But are there any gaps? Are you happy with all of the partners?)
 - X Not yet? Let us examine what you should be looking for in project partners



Diversity

- ❑ The competition-specific eligibility criteria are the *minimum* that you need to satisfy, but...
- ❑ ...do not simply go in hunt of partners that allow you to 'tick a box'
- ❑ Each partner must **add value** to the consortium
 - Explain what that value is and why they are best-placed to deliver it



Getting the mix right



What to look for

It depends...

If in-country Research & Development or Testing or Demonstration is a requirement...

- Do you know which country you want to work in?
- Do you know organisations there?
- How well do you understand the regulations and the governance arrangements?
- Do you have access to suitable facilities or environments?

Remember that you **must intend to use the results** to deliver clean energy access in Sub-Saharan Africa, South Asia or the Indo-Pacific region

- (Does your choice of partner(s) help you demonstrate this is likely?)



InnovateUK
KTN

What to look for (2)

- Credibility
- Legal Entity (Business, Research Entity, Third Sector)
- Trading history?
- Previous experience of similar undertakings?
- Capacity to deliver?



What to look for (3)

The 'X' Factor

- Can you see yourself working with these people for months or years?
- Can you see your partners working with each other for months or years?
- Even when things get tricky and there are problems?
- Really? *Great!*
- ***BUT ALSO...***
- Do you have the same (or compatible) objectives?
- How well do they present themselves? How enthusiastic are they?
- Does their story 'ring true'? How is their grasp of detail?

DOES IT FEEL RIGHT?



Above all, make sure you write an application that excites and inspires!

1. Alignment to the competition scope
2. Innovation
3. A strong business case
4. A convincing value proposition
5. A credible plan for Research and Development
6. The right consortium
7. A clear need for support
8. The right kind of risk

Writing the submission

- **Answer the question asked**, not the one you want to answer!
- Remember that **assessors are human beings**
- Assessors are looking for reasons to award marks: **make it easy for them**
 - Reflect the **language** of the competition scope
 - **Substantiate** any claims
- **Ask your Auntie** to listen to a draft of the application
 - This technology/project may be your life's work, but you have to **describe it to someone that's never heard of it before**
- Ask someone else to read a draft
 - ...a trusted friend, who will tell you about your poor spelling and bad grammar
- **Re-read the competition scope** before you read the draft– does it match?
- **Risk and Reward!**



Energy Catalyst Virtual Brokerage

How to use b2match effectively

Jens Böhm – Innovate UK EDGE

Website: <https://energy-catalyst-networking.b2match.io/>



18 May 2022 - 10 August 2022
United Kingdom

Energy Catalyst International Brokerage

[Home](#) [Eligibility](#) [How it works](#) [Timeline](#) [About us](#) [Contact](#) [FAQ](#) [Recorded Sessions](#)

Energy Catalyst Virtual Brokerage

Join the virtual brokerage to find partners for your Innovate UK Energy Catalyst Round 9 application.

From May through to August, this website will host a series of webinars and 1:1 virtual meetings to discuss project opportunities and facilitate introductions between organisations to help provide clean, affordable and secure energy in sub-Saharan Africa, South Asia and the Indo-Pacific Region.

The aim of these webinars and the virtual Marketplace is to help organisations gain an understanding of the energy access issues in a particular country and to develop equitable partnerships leading to a collaborative application for Energy Catalyst Round 9.

Round 9 of Energy Catalyst is open now, with further information available via this link: <https://apply-for-innovation-funding.service.gov.uk/competition/1173/overview>

To register for our Competition Briefing Session on Wednesday, 25th May 2022, please visit: <https://ktn-uk.org/events/energy-catalyst-briefing-launch-and-brokerage-events/> - this session will detail the competition scope and eligibility alongside how to apply and the support available to you in preparing your application.

Energy Catalyst Round 9 makes available up to £20m to support businesses to develop

[Register now](#)

Open until 10 August 2022

LOCATION

United Kingdom

ORGANISED BY

**ENERGY
CATALYST**



**Jens Böhm**

Innovation & Growth Specialist at Innovate UK
EDGE
Manchester, United Kingdom

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Overview

[My availability](#)[My opportunities](#)[Company representatives](#)[Organizer questions](#)[Account settings](#)[Logout](#)

Your local support office

Innovate UK EDGE (North)

Jens Böhm

+44 (0) 1925 607 040

jens.boehm@rtcnorth.co.uk

<https://www.innovateukedge.ukri.org/>

Booking phase has started!

You haven't requested any meetings yet. The number of available time slots is limited. You can request or accept up to 100 meetings. The booking phase closes on **August 10, 2022**.

[Book meetings now](#)**I**

Application Support / Authority/Government

Innovate UK EDGE

Innovate UK EDGE is a key part of the UK innovation agency's deep investment in the pioneering businesses that drive economic growth. It is a publicly-funded service available to all high potential small to medium sized innovation-driven companies, including Innovate UK grant winners.

Innovators are motivated to improve the ways we live and work. We support those building scalable businesses to achieve their goals, in every sector and from seed to scale stage. Our innovation and growth specialists are at the centre of our service. Each client engagement results in a bespoke strategy but common priorities include:

- Exploiting business innovation: Developing a commercial strategy and building a team to deliver it; protecting & harnessing your IP; improving innovation management & accessing the innovation ecosystem globally
- Sourcing funding and finance: Applying the right strategy to secure grants and capital for your business, enhancing investor appeal and getting investment ready to propel your growth
- Opening new markets: Creating connections to partners & leveraging insights to expand into vertical & international markets and achieve scale

Often these priorities are closely linked, especially in the case of scaling businesses which must align all business functions to achieve a step change in growth. Our Scaleup Programme prepares companies who have already benefited from our high growth service and other innovation-driven businesses with 50%+ growth potential for just such a transformation.

TECHNOLOGY INTERESTS

[Other](#)



Innovate UK EDGE

Authority/Government | Manchester, United Kingdom

OVERVIEW

MARKETPLACE

Create an opportunity

Cancel



Project Cooperation

Add this if you are interested in finding a partner for your project.



Expertise

Add your area of expertise and describe what you can offer to other participants.



Request

Add if you have anything specific you are looking for.

Event organiser



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 Authority/Government | Manchester, United Kingdom

OVERVIEW
MARKETPLACE

New Project Cooperation

TITLE *

This field is required.

DESCRIPTION *

(0/5000)

PROJECT STAGE

Early Stage

Mid-Stage

Late Stage

TOPIC

Bio Energy

Business Model Design

Clean Cooking

Cooling

Demand Side Technologies

Energy Efficiency

Gender and Social Inclusion

Grid Networks

Heating

Hydrogen and Fuel Cells

Mini Grid

Official Development Assistance (ODA)

Solar

Storage

Wave and Tidal

Wind

Other

CALL

East Africa

Central Africa

West Africa

Southern Africa

South Asia

Indo-Pacific Region

Other

TYPE OF COOPERATION SOUGHT

Project Lead

Project Partner

Administrative Lead

Test or Demonstration Site

IMAGE UPLOAD

+
Add image

Maximum upload file size: 22MB.

FILE UPLOAD


+ Click here to upload or drag and drop files...

Maximum upload file size: 22MB.

VIDEO

+ Add video

← Back
Cancel
Save



Innovate UK EDGE
 Authority/Government | Manchester, United Kingdom

OVERVIEW
MARKETPLACE

New Expertise

TITLE *

This field is required.

DESCRIPTION *

(0/5000)

FIELDS OF EXPERTISE

Bio Energy

Business Model Design

Clean Cooking

Cooling

Demand Side Technologies

Energy Efficiency

Gender and Social Inclusion

Grid Networks

Heating

Hydrogen and Fuel Cells

Official Development Assistance (ODA)

Solar

Storage

Wave and Tidal

Wind

Other

IMAGE UPLOAD

+
Add image

Maximum upload file size: 22MB.

FILE UPLOAD


+ Click here to upload or drag and drop files...

Maximum upload file size: 22MB.

VIDEO

+ Add video

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Innovate UK EDGE
 Authority/Government | Manchester, United Kingdom

OVERVIEW
MARKETPLACE

↑ ↓
i
✎

The organiser will review this opportunity before it gets published.

PROJECT COOPERATION

Example Project Cooperation

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

JB

Jens Böhm

May 14, 2022

↑ ↓

The organiser will review this opportunity before it gets published.

EXPERTISE

Example Expertise

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

JB

Jens Böhm

May 14, 2022

↑ ↓

The organiser will review this opportunity before it gets published.

REQUEST

Your virtual shop window

This is your virtual shop window - the higher the quality, the more participants will be interested in talking to you! Do provide sufficient info about your organisation and create at least one entry for the Marketplace (Expertise, Project Cooperation, Request, etc.). Please indicate in detail what you can offer to others to help them further their activities and/or what you would like to gain in order to further your own organisation's activity.

So what makes a good presence on the Marketplace? A couple of questions to keep in mind:

1. Is your expertise, project cooperation or request, clear? Are all the paragraphs coherent?
2. Are the advantages and innovative aspects of your expertise or project cooperation an offer clearly explained? Are they clearly described in relation to competing projects on the market? Is your competitive advantage clearly stated? Are your specific requirements and requests clearly formulated, with sufficient detail for a potential partner to know whether they can help?
3. Please assure a good level of linguistic accuracy and avoid using slang. For many participants English is not their first language.
4. Is the role of the partner explained?


If you have any questions regarding your profile or the Matchmaking in general please contact your local Innovate UK EDGE partner or one of the event organisers. We're here to help!

JB

Jens Böhm

May 14, 2022

Event organiser





Innovate UK

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Event organiser



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Event organiser



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Marketplace

- Your virtual shop window - the higher the quality, the more participants will be interested in talking to you!
 - Profile – Expertise, Project Cooperation or Request
 - all must be clear & coherent
 - Advantages and innovative aspects
 - Specific requirements and requests, sufficient detail for a potential partner to know whether they can help
 - Role of the partner

Agenda



All session types

- NIGERIA
- INNOVATE UK
- MALAWI
- RWANDA
- KENYA
- NEPAL
- TRAINING
- INDONESIA

EVENT AGENDA MY AGENDA

All times are displayed in the event time zone (Europe/Zagreb, currently: 13:27). [Change to recommended time zone \(your time zone\)](#)

Wednesday, May 25, 2022

09:00 - 16:00

Energy Catalyst (Round 9) Briefing Event

ONLINE

Add

 Join Online Session

Event organiser



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Participants

Relevance 

39 Participants found

Search 

- BOOKMARKED 
- MATCHMAKING
- PARTICIPATION TYPES
- ORGANIZATION TYPES
- AREAS OF ACTIVITIES
- COUNTRIES
- COMPETITION MANAGEMENT



Jens Böhm

Innovation & Growth Specialist at Innovate UK EDGE
MANCHESTER, UNITED KINGDOM

[View organisation profile](#) →



David O

Founder at Tribes Capital
LONDON, UNITED KINGDOM

[View organisation profile](#) →



[Request meeting](#)



Kirsty Hinchliffe

Projects and Grant Manager at FeTu Limi...
HALIFAX, UNITED KINGDOM

[View organisation profile](#) →



[Request meeting](#)



Amy Flynn

Innovate UK
SWINDON, UNITED KINGDOM

[View organisation profile](#) →



[Request meeting](#)



Huilian Liao

Senior Lecturer, consultant at Sheffield H...
SHEFFIELD, UNITED KINGDOM

[View organisation profile](#) →



[Request meeting](#)



Request Meetings

- Be proactive
- Meetings will be scheduled by the recipient and can be moved/rescheduled
- Use the Marketplace to find out about specific projects, expertise and requests

Participants

Relevance

39 Participants found

Search

BOOKMARK

MATCHMA

PARTICIPA

ORGANIZA

AREAS OF

COUNTRIE

COMPETIT



Jens Böhm

Innovation & Growth Specialist at Innovate UK EDGE
MANCHESTER, UNITED KINGDOM

[View organisation profile](#)



Amy Flynn
Innovate UK

[View organisation profile](#)

[Request meeting](#)

Amy Flynn

Innovate UK
SWINDON, UNITED KINGDOM

[View organisation profile](#)

Huilian Liao

[View organisation profile](#)

[Request meeting](#)

Participants

Relevance

39 Participants found

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Jens Böhm

Innovation & Growth Specialist at Innovate UK EDGE
MANCHESTER, UNITED KINGDOM

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Amy Flynn
Innovate UK

[View organisation profile](#)

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Amy Flynn

Innovate UK
SWINDON, UNITED KINGDOM

[View organisation profile](#)

[View meeting](#)

Huilian Liao

[View organisation profile](#)

[Request meeting](#)

Request meeting

✕



Amy Flynn
Innovate UK

Hi Amy, I would like to show participants of the delegate briefing how to request a meeting :)

Send request

Request meeting

✕



Amy Flynn
Innovate UK

Meeting request sent

We will inform you once the participant responds. Amy Flynn will schedule this meeting while accepting the request.

OK

Marketplace

Add an Opportunity

6 Opportunities found

PROJECT COOPERATION (5)

EXPERTISE (1)

PROJECT COOPERATION

Updated on May 24, 2022

Electricity mini-grids in rural Sub-Saharan Africa

We can provide micro hydropower electricity mini-grid installations in rural communities of Sub-Saharan Africa, south-east Asia and Latin America.

Other Cooling Mini Grid South Asia Early Stage East Africa +6



Martyn Cowsill

Director at MicroGen Renewables (Oldham, United Kingdom)



Request meeting

PROJECT COOPERATION

Updated on May 24, 2022

Watto

Watto is a clean energy innovation developed by an African engineer while working in rural Africa. As a father of three girls, it was designed out of the frustration seeing rural villagers living amongst abundant energy sources but do not have the tech...



Early Stage East Africa +3



Hanlie Wessels

CEO at Watto by Impact Business Development (Centurion, South Africa)



Request meeting

PROJECT COOPERATION

Updated on May 24, 2022

Manufacturer's of Solar , wind, biogas, Energ...

We seek cooperation for Renewable energy manufacturer's





1:1 Meetings

Camera and microphone test

My meetings

ALL 1 ACCEPTED 1 PENDING 0 CANCELED 0

AVAILABILITY

All times are displayed in the event time zone (Europe/Zagreb, currently: 15:26). [Change to recommended time zone \(your time zone\)](#)

Next meetings

Jens Böhm, Innovation & Growth Specialist at Innovate UK EDGE
 Amy Flynn, Innovate UK

🕒 09:15 - 09:30
📅 Wednesday, May 25
🎥 Online Video Meeting

MEETING SCHEDULED

Cancel

Reschedule

Invite guests

Starts in 18 hours

Event organiser



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Summary

- Your virtual shop window
- Create a clear and concise profile to raise your visibility
- Be active not reactive;
- Attend webinars, regularly browse the agenda for additions and updates
- Browse profiles to find out who is offering interesting opportunities
- Make yourself available for meetings!
- Message other participants & request meetings
- Website: <https://energy-catalyst-networking.b2match.io/>



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Questions?

ENERGY
CATALYST





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EDGE

Thank you



@InnovateUK



Innovate UK



Innovate UK

www.innovateukedge.ukri.org

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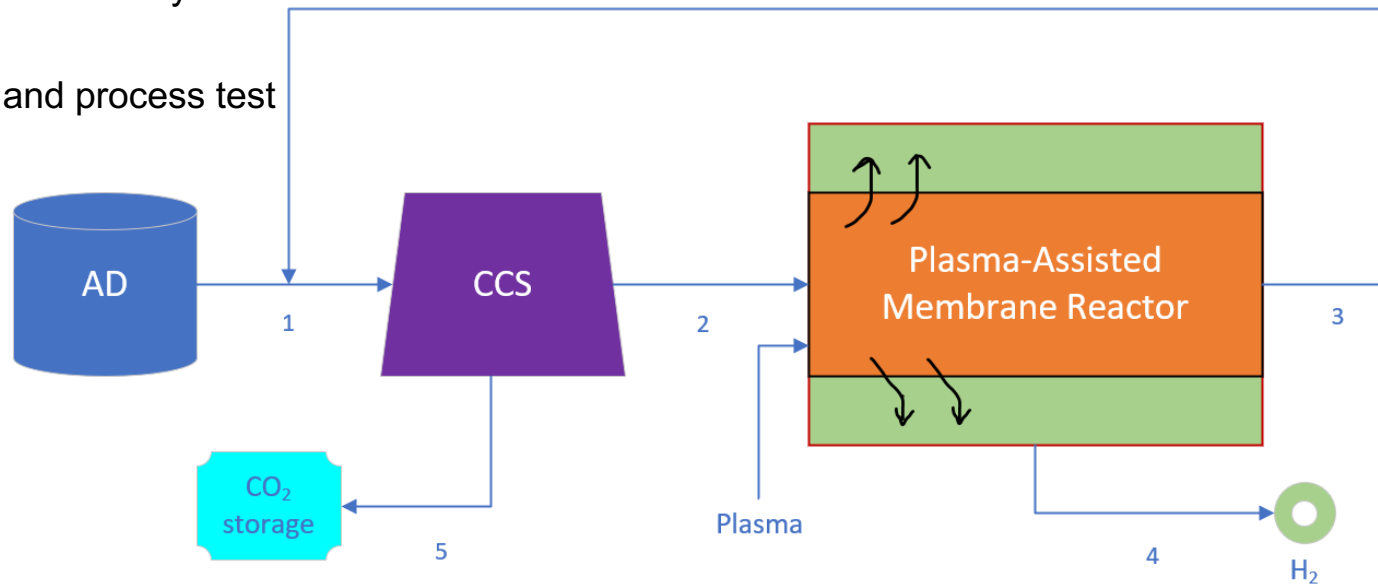


Pitches

2 minutes about you and
your ideas

About us

- Academic research University
- Materials chemistry, process integration, energy system and system evaluation
- Membrane fabrication and process test rigs in the lab



Low carbon hydrogen from biomass fermentation

The proposal aims to integrate plasma-assisted catalytic conversion of biogas with AD and CCS process.

Capabilities **we can offer**- basic technological components **include** (Technology Readiness Level, TRL)

- Anaerobic digestion-AD (TRL9),
- Plasma reactor (TRL4),
- Membrane separation (TRL4), and
- Carbon capture and storage-CCS (TRL9).

The partners/services **we seek**

- End user – H₂, CH₄, heat and electricity
- Process device manufacturer/builder
- Process designer

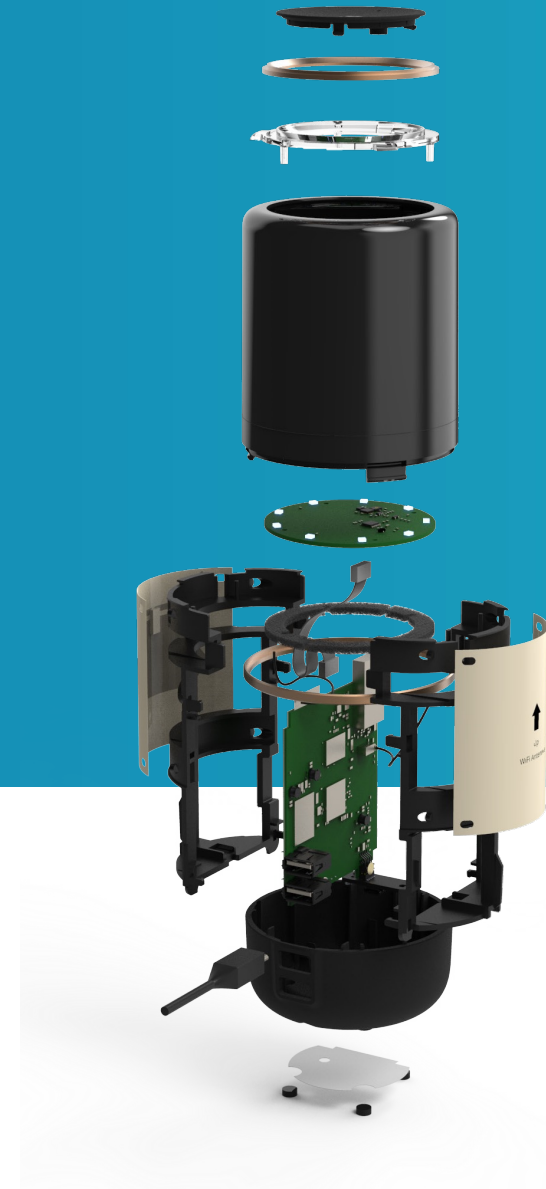


www.egtechnology.co.uk

Product Design, Engineering and Development Specialists



zanevanromunde@egtechnology.co.uk



Who are eg technology?



Specialist product design and engineering consultancy with clients that range from start-ups to blue-chips.



Growing company based in Cambridge, UK. Track record of delivering inspiring, marketable products across sectors.



Expertise in Electronics, Software & Mechanical Engineering, Industrial Design, Human Factors, Regulatory & Project Management.



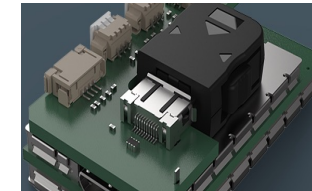
We transform ideas into successful products and systems, from concept through to transfer to manufacture.



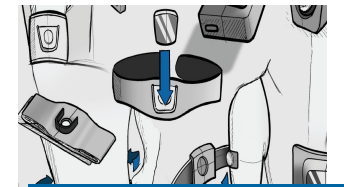
We combine innovation and experience with a targeted approach to deliver reliable solutions quickly and cost-effectively.



Software



Electronics



Industrial Design



Mechanical Engineering



Human Factors



Project Management



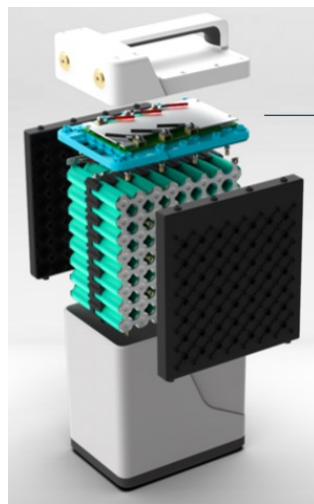
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CREATING
BATTERIES FOR
LIFE

- Using compression technology we have developed lithium ion batteries that can be maintained at the cell level.
- The batteries are modular and scalable, they have been used in e-mobility applications and up to minigrid scale.
- The batteries provide a viable route to re-use waste battery cells from e-waste or EVs.



About our proposed project

- Open to options on project subject – we are able to support many applications
- Residential solar plus storage using an ESaaS would be a great focus.
- 2nd life applications and/or e-waste testing

Capabilities **we can offer**

- Batteries!
- Knowledge on battery systems, testing and applications.
- Battery testing facilities.
- Circular economy knowledge.
- Experience (several Innovate UK projects delivered)

Michael@aceleronenergy.com

www.aceleronenergy.com

The partners/services **we seek**

- Partners with a battery using application – i.e. solar installers, e-mobility vehicle manufacturers etc.
- New battery technology manufacturers
- Companies in contact with the communities we wish to serve.

Earth Carbon Foundation

About Us :

- Globally we help Generating Carbon Footprint report, to contain 2 degree rise of Earth's temperature. Our Climate Programs are actionable, tangible and irreversible.
- Our Profits are recycled in capacity building to reduce carbon emission.
- we have reduced 27,000 tons of Carbon from 28 Contarcts, Saving millions of \$ as input costs.

About our proposed project

- Glasgow COP ended with very little progress to protect Mother Earth.
- The system is flawed as it gives resources to sinners to wash their sin for committing more sins.
- Needs strong commitment with handholding at National/Subnational targets
- We hand hold customers creating baseline, setting targets, paybacks, evaluation & Monitoring.
- Reporting on public Domain.

The capabilities we can offer :

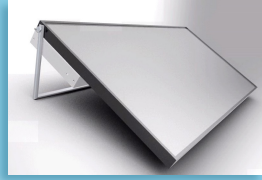
- Mitigation : GHG + CDM methodologies.
- Carbon: Cost, Budgeting & Pricing.
- Reporting: Sustainability + SDG + GRI
- Targets : SBTi + GHG .



@earthcarbon25

What we are looking for from partners :

- Providing carbon accounting services in SME sectors.
- Organisations exploring Value addition with Carbon pricing
- Universities & Educational organisation working carbon pricing.



JAMEBI: International collaborative R&D *off-grid solar-thermal drinking-water disinfection*

WHO International Scheme to Evaluate Household Water Treatment Technologies

Liverpool University Dept of Engineering



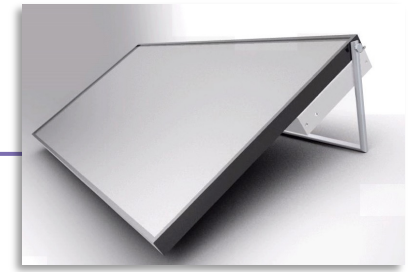
KWR water safety test laboratories in the Netherlands



Figure 1 Photo of the prototype that was tested upon the Liverpool Guild of Students roof



Sunlifewater by JAMEBI - Trading name of Relevant Projects Ltd



About JAMEBI

UK solar innovation technology development business:

- ✓ JAMEBI is a novel solar water pasteuriser technology
- ✓ JAMEBI cleanses water of dangerous bacteria & viruses
- ✓ Aim: save 500,000 lives in 10 years, using clean water
- ✓ Founder Barry Johnston is a serial greentech entrepreneur

Off-grid, 100% solar. Affordable safe clean drinking water.

JAMEBI's proposed project

Now safety tested by the WHO (kills >99.99% of germs)...

1. We will **trial** our technology in the right place, ie the sunny tropics
2. We will **install** it in sites where having clean water will save lives
3. We will **run** this field trial project for one year, while planning ahead
4. We will **evaluate** (a) technical performance & (b) social performance

We now seek engagement with sunny tropical countries.

Capabilities we offer

Solar thermal, potable water, innovation & directorship:

1. Innovative solar water heating & pasteurisation technology
 2. Making safe drinking water from bio-contaminated soft water
 3. Water for everyday drinking or disaster relief
 4. Solar thermal technology commercialisation
 5. Water tanks & off-grid solar PV water-pumps
- Mentoring services for greentech innovators
 - Innovation Technical Director NED services



Partners/services we seek - from sunny tropical countries:

- A. Government** backing, depts: energy, water, health, equity, community, distributed off-grid infrastructure, education, technology, manufacture
- B. Field trial communities:** urban, remote, off-grid, clinics & waterside
- C. Business** partners: licensors, manufacturers, distributors, investors
- D. Academic** partners: technical or sociological research & monitoring

Partners/services we seek - from anywhere:

- E. Talent,** Value Engineers, Manufacturers
- F. Investment** & access to VC funders.





About University of Port Harcourt

The University of Port Harcourt, Nigeria, has made reasonable research influence in the higher education sector in recent times. The University was ranked 6th in Africa and 1st in Nigeria according to its research influence in 2015 by The Times Higher Education, United Kingdom. The university shares the vision of excellence in research across some of the developing nations, Nigeria for example, and help them to play key roles in bringing solutions to the global climate crisis in the area of energy, and transformative and sustainable development.

About our proposed projects

- ❑ Development of cooling systems for cluster of smallholder farmers using agrowastes-solar PV vapour absorption-compression technology to reduce the over 40% of agrifoods spoilage along the value chains. The existing off-grid cooling technology is solar PV vapour compression which are very expensive due to the use of huge battery storage.
- ❑ Agrifood wastes valorization for heat and power generation using gasification or pyrolysis biomass conversion technology. The agrifood value chains generate huge wastes that could be to power, heat and cooling to support agrifood value addition.

Our capabilities

- Energy efficiency, energy demands and forecasting
- Renewable energy resources assessment
- Off-grid cooling and electric cooking
- Low-carbon energy conversation systems – solar and biomass
- Applied thermodynamics and modelling
- Design analysis and system optimization
- Long-term energy scenarios modelling
- Capacity building

We seek the following partners/services

- System manufacturers
- Industry partners
- Research and development institutions
- Off-grid developers
- Business developers



The Green Industrial Revolution

3 Things about 3 Things



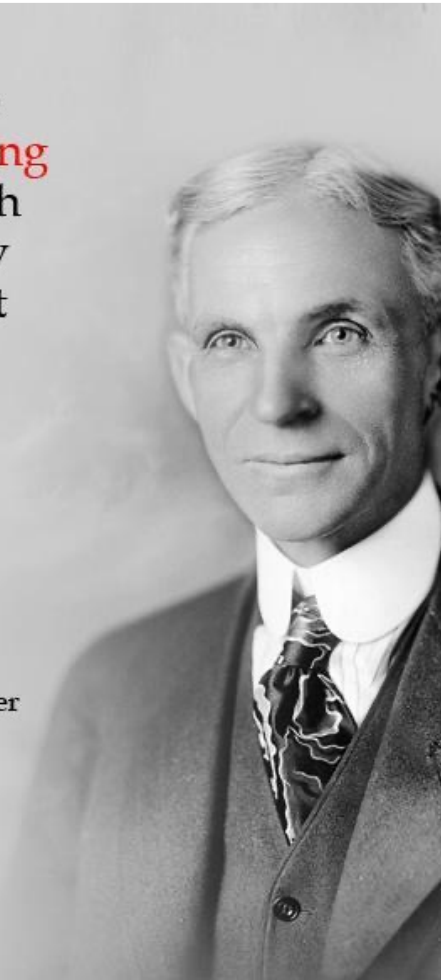
HEMP - AFRICA - THE SMARTBOX

“Why use up the forests which were **centuries in the making** and the mines which required **ages** to lay down, if we can get the equivalent of forest and mineral products in the **annual growth** of the hemp fields?”

Henry Ford (1863 - 1947)
American industrialist, founder
of Ford Motor Company



The New Class of Cannabis
www.MonroeBlvd.com



- ▶ **Hemp** is better than trees at removing CO2
- ▶ **8,000 years** providing multiple sustainable products
- ▶ Products for a future **decarbonised** industrial economy

HEMP – AFRICA – THE SMARTBOX



➤ **1.9 Billion** expected population by 2050*
(currently 1.3bn)

➤ **200m Hectares** of underutilised land – **50%** of
World total*

➤ **Irrigation and Processing Facilities**

* New Frontier Data Dec 2020



HEMP – AFRICA – **THE SMARTBOX**



- Providing **Irrigation and Processing Facilities**
- Delivering multiple **co-benefits – 11 UN SDGs**
- **Data Collection & Verification and Authentication of Carbon Credits**

eHemp.House

Investment Details

- Current ownership **88%** founders – £300k raised previously
- **S/EIS** Advanced Assurance issued by HMRC
- Seed Investment Round - **£1.5m**
- Lead Investor Fund secured for £500k – due diligence completed
- **Term Sheet** negotiated
- **Data Room** available to review

eHempHouse

Sustainable Growth • Sustainable Future

For more information please contact:



Peter Miles



peter.miles@ehemphousecorp.com



+44 (0) 7785 952502

eHemp.House

LUNCH & NETWORKING

WE WILL RESUME AT 14:15

www.ktn-uk.org



InnovateUK
KTN

ENERGY
CATALYST

Energy Catalyst Accelerator Programme



Innovate
UK



Energy Catalyst accelerates access to clean energy

Accelerate solutions

- > Financial and advisory support provide a springboard for innovators to de-risk, demonstrate and deploy clean energy access solutions

Build networks

- > Support catalyses strategic partnerships and connections across the energy access ecosystem to help commercialise new technologies and business models

Unlock impact

- > This support aims to help innovators pioneer new ways to improve lives in Africa and Asia and create economic opportunities

Share knowledge

- > By uncovering new insights from testing and demonstrating innovation, the Energy Catalyst contributes knowledge, case studies and lessons learned which benefit the wider energy access ecosystem



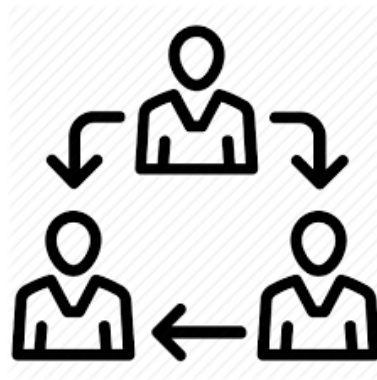
Energy Catalyst combines three key activities to deliver this vision

Competition



Open grant calls to develop and demonstrate innovative tech and business models

Collaboration



Collaboration building to help innovators find project partners

Acceleration



Business advice, learning from overseas, showcasing and dissemination

Energy Catalyst Accelerator structure

Acceleration Support



Client Acceleration



Cross Project Support &
Knowledge Management

Learning from Overseas

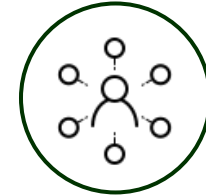


UK & International Events
and Engagement

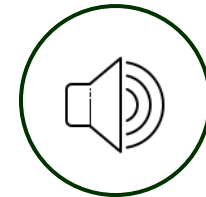


Digital Learning

Programme Showcasing and Dissemination



Campaign Design



Campaign Rollout

Energy Catalyst funds a broad range of international projects



An expansive consortium of 13 international partners are supporting the cohort companies to commercialise and scale their solutions

Tailored
venture
support

Addressing
common
challenges

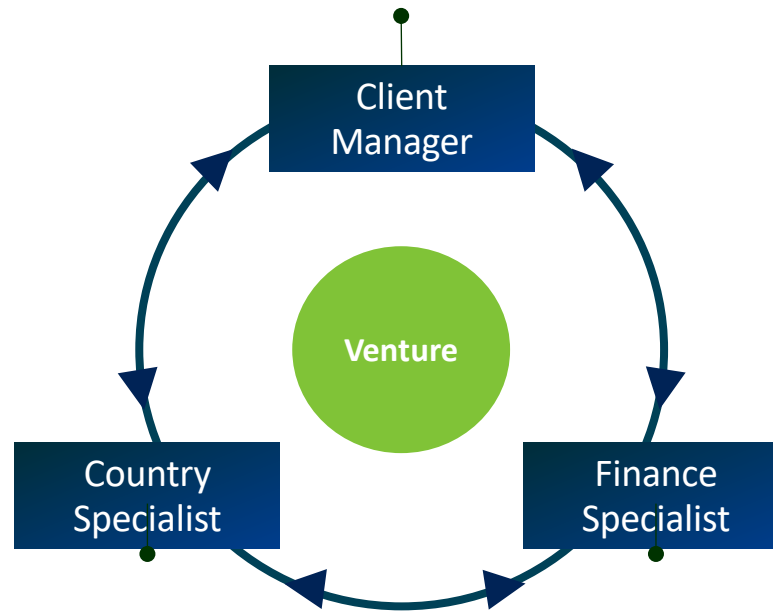
Connections
and resources



Each project has a dedicated acceleration team, consistent of an experienced ***Client Manager***, a ***Country Specialist*** based in the project's target region, and a ***Finance Specialist*** with regional financing expertise

The Acceleration Team

Coordination of client acceleration support
and 1:1 coaching



Delivery of specialist strategic market related
support

Delivery of specialist fundraising and
investment readiness support

How Energy Catalyst Accelerator supports your venture

1. Acceleration Support

Each project is eligible for business accelerator support to build towards commercialisation and implementation of projects in Sub-Saharan Africa and South/South East Asia

- **Project specific support**

- Individual business support to ventures by coaches/mentors
- Targeted task based support from technical experts

- **Programme level support**

- Cross-cohort support through knowledge management materials
- Networking and guidance around common interest areas
- Accessing additional finance post-project through opportunities to interact with investors, corporates and follow on programmes

How we will support your venture

1. Project Level Support



Market

- Market segmentation and prioritisation in Myanmar
- Support with customer interviews in Kenya

Business strategy

- Identify and prioritise commercial models for passive solar pumps
- Distributor strategy and operational business model

Team & board

- Supporting recruitment process in Rwanda
- Board development plan

Sales & BD

- Development of sales forecasting model
- Customer database development

Technology & Product

- Pilot trial data analysis
- Standards, certifications and licencing support for Nigeria

Supply chain

- India manufacturing capacity analysis
- Customs and logistics support in Bangladesh

Finance & Investment

- Seed investment strategy planning and review
- Foundation and charity funding partnership strategy

Legal

- Evaluation of legal entity options
- Commercial contract negotiation support

How Energy Catalyst Accelerator supports your venture

1. Programme Level Support



Commercialisation Guides

Examples

- Country/Regional Market Guides
- Sector Guides
- Case Studies: Practical Success Stories
- Theme Guides

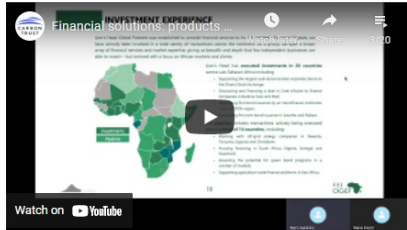


Investor Readiness Guides

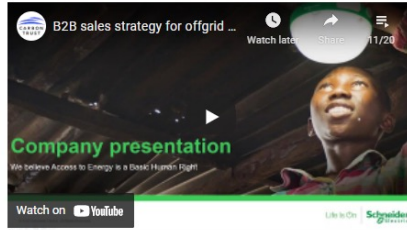
Examples

- Preparing for Fund Raising
- Types of Investors and the Investor Fit
- Fund Raising Materials and Financial Projections
- Valuation and the Investment Ask
- Due Diligence Checklist

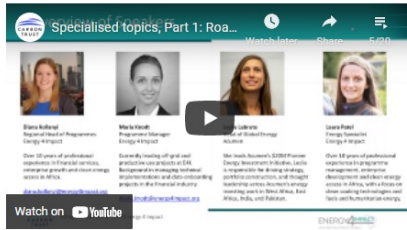
Financial solutions: products and providers



B2B sales strategy for offgrid energy



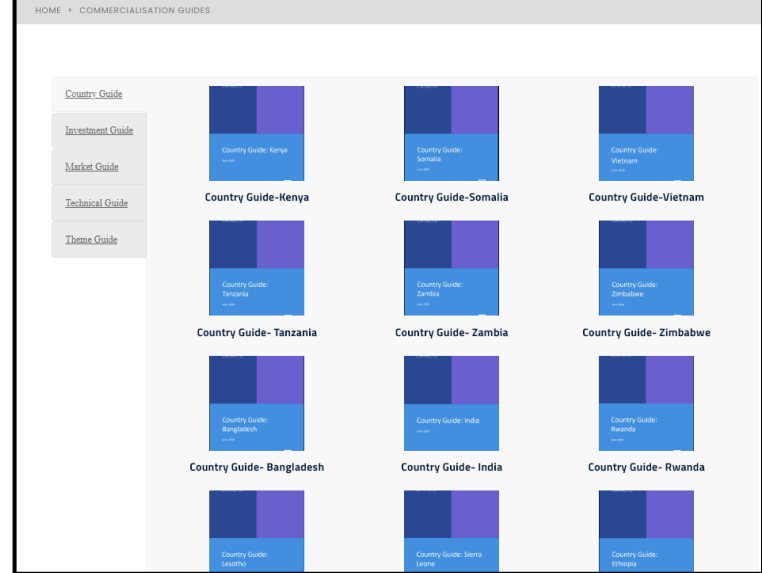
Specialised topics, Part 1: Roadmap to exits in off-grid energy



Specialised topics, Part 2: Trends in clean cooking investments

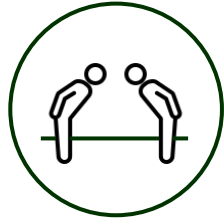


Commercialisation Guides



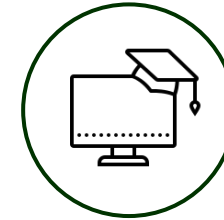
How Energy Catalyst Accelerator supports your venture

2. Learning from Overseas



UK & International Events and Engagement

- Delegate passes and speaking opportunities
- One-to-one meetings (investors/corporates/partners)
- Event sponsorship
- Side meetings & introductions
- Networking social events and dinners



Digital Learning

- Podcast/Webinar Series (e.g. energy access pioneers, impact/private investors, sector actors, NGOs)
- Online Workshops and Meetings (e.g. themes on: technology areas, country/regional markets, funding opportunities)



22

End-User Subsidies

...eds of millions of households will be left behind because they access solutions nor be viably served by markets. This session ies are needed to complement existing interventions, which o date, and how they can be taken to scale.

ESMAP, SNV Netherlands Development Organization

Scaling Innovation for SDG7: Collaborate to Succeed

AD12

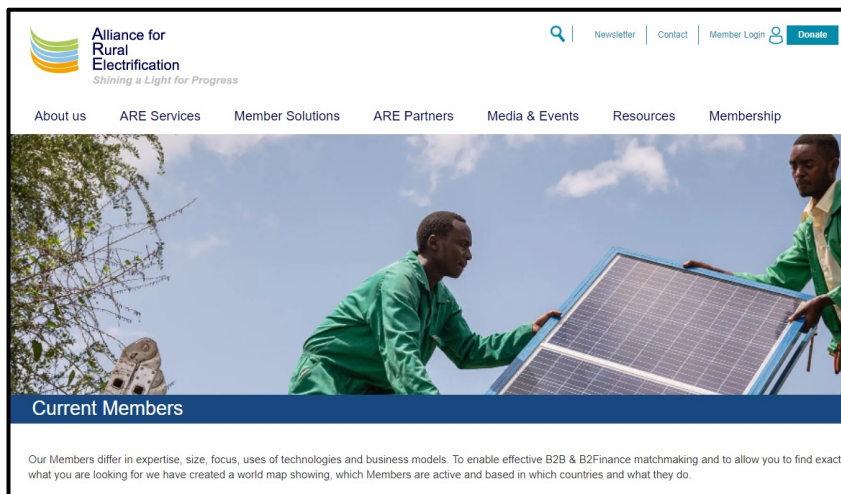
This session will provide information about Innovate UK's Energy Catalyst programme, including how to access it, and its eligibility criteria. Presentation of this information will be followed by a panel discussion of industry specialists who will share their insights in the field, and speak to the power of collaboration of public-private funding and partnerships to scale innovative projects.

Lead Organizer: Energy Catalyst, The Carbon Trust, Shell Foundation

The Rural Cooling – Electricity Access Nexus

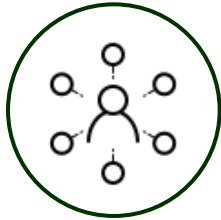
AD10

Sustainable cooling can accelerate SDG 7 and catalyse equitable, resilient development for rural populations in a warming world. This session will define the synergies between sustainable access to energy and cooling in rural areas. Experienced practitioners will share the latest



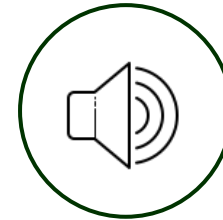
How Energy Catalyst Accelerator supports your venture

3. Programme Showcasing



Campaign Design

- Broad based communications strategy
- Sector dissemination of programme and cohort successes
- Capturing of content from programme and cohort development



Campaign Rollout

- Draft press releases, blogs and/or op-eds
- Case studies
- Videos of projects/events/missions
- Social media campaigns
- Data visualisation (infographics, fact sheets)

ENERGY CATALYST HOME ABOUT OUR ACTIVITIES PROJECTS NEWS & EVENTS RESOURCES CONTACT US

Inclusive Energy – New frontiers for the biogas market

Globally, the biogas sector is undergoing a resurgence, and it is an important part of a mix of cooking technologies needed to bridge the clean cooking access gap.

[Read more](#)

Steamology – Seizing the climate-smart power of hydrogen to deliver affordable energy for electricity and heat

Steamology aims to deliver scalable and modular solutions for industrial steam heat and power by embracing the hydrogen economy.

[Read more](#)

Cranfield University and Concentrated Solar Power: Utilising the power of sunlight to bring clean cooking to rural areas

Cranfield University is testing a Concentrated Solar Power (CSP) device that could reduce pollution in Indian homes, schools, and canteens by replacing traditional cooking methods.

[Read more](#)

Aptech Africa: Pay-n-Pump brings affordable solar-powered irrigation within reach for small-scale African farmers

Uganda based company Aptech Africa's 'Pay-n-Pump'

Zonke Energy Case study: Low-cost renewable solar power for households in informal

MOPO Hubs: Providing households with energy and e-mobility solutions through a pay-per-use battery sharing

ENERGY CATALYST
ESI AFRICA

Carlton Cummins
Co-founder and CTO
Aceleron

esi-africa.com

CNBCAFRICA MARKETS NEWS REGIONS CNBC TV INSIGHTS FOCUS

RECORDED

CHARM IMPACT RAISES NEARLY £273,520 IN EQUITY TO SCALE LOCAL ENERGY ACCESS

This initiative looks to help young entrepreneurs power Africa with green energy projects

How-To: Placed Articles POWER 360

- Great option to get your message out on your terms
- Be selective which editors you pitch
- Find an angle that is relevant to the publication
- Create news value by explaining why the story is interesting
- Use a strong subject line

Webinar: Media + Brand 101 Training to help Energy Catalyst companies drive awareness

53 views · Feb 23, 2021

Power for All
287 subscribers

On February 11th, 2021, Power for all CEO Kristina Skierka and Director of Communications Benson Kibiti led a private session on media communications and tactics to leverage the Energy Catalyst.

ENERGY CATALYST

Thank you!

Please feel free to follow up with any queries or feedback to energycatalyst@innovateuk.ukri.org or energycatalyst@carbontrust.com





Gender and Social Inclusion: An introduction

Charlotte Ray (International Development Consultant)

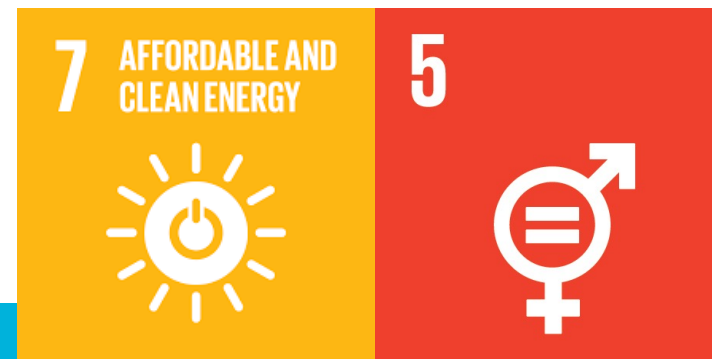
charlotterebeccaray@gmail.com

Energy Catalyst Round 9
June 2022

Why consider Gender and social inclusion?

- No MDG on Energy
- SDG 7 specifically addresses Energy
- SDG 5 specifically addresses gender
- 6 of the 17 SDGs specifically address inclusion

- Gender and Social Inclusion are integral to the achievement of all SDGs.



GESI – WHAT IS IT AND WHY DOES IT MATTER IN DEVELOPMENT?



GESI addresses unequal power relations between women & men/ between different social groups



Focuses on need for rebalance these power relations



Ensure equal rights, opportunities and respect for all individuals

Defining Social Inclusion

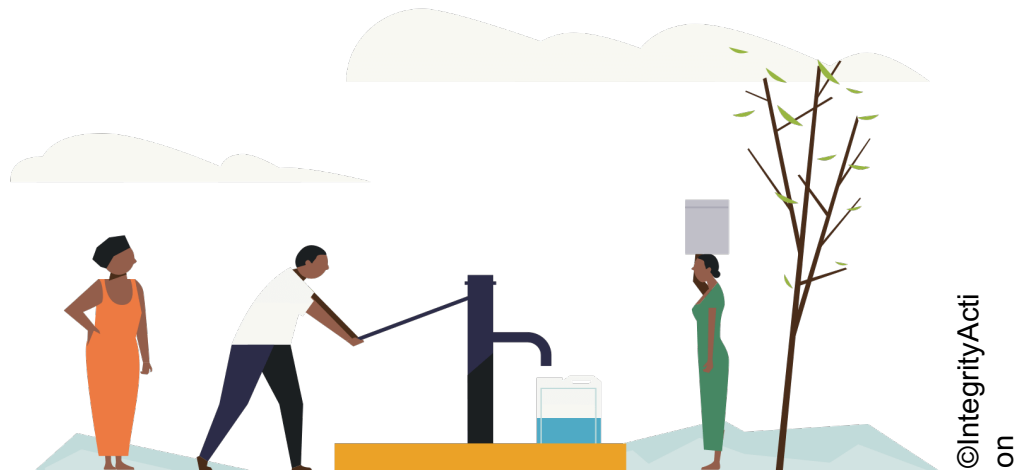
The World bank defines social inclusions as:

“The process of improving the terms for individuals and groups to take part in society, and the process of improving the ability, opportunity, and dignity of those disadvantaged on the basis of their identity to take part in society”



What it means to be Socially Inclusive

- Enabling people/ communities to fully participate in society – helping them to overcome inequality and disadvantage
- Promoting equality of opportunities for all: women, different age groups (elderly), disability groups, ethnic groups etc.

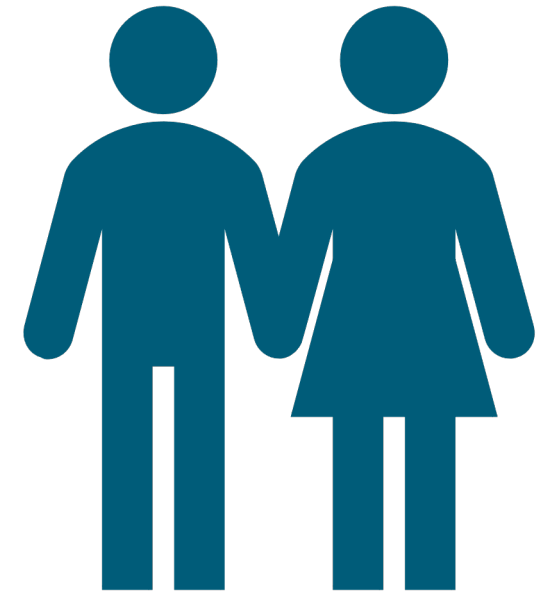


“Social inclusion can be a goal, process and/or outcome in pursuit of development opportunities” (Mulugetta 2018)

Defining Gender as part of Social Inclusion

Gender? What exactly is Gender?

- The social, behavioural and cultural attributes, expectations and norms associated with being male or female.
- This is a set of culturally specific characteristics defining the social behaviour of women and men, boys and girls, and the relationships between them.



Gender is about **WOMEN AND MEN!**

Introduction to Gender Concepts

Gender roles

The social and behavioural norms that, within a specific culture, are widely considered to be socially appropriate for individuals of a specific sex. These often determine the traditional responsibilities and tasks assigned to men, women, boys and girls (see gender division of labour). Gender-specific roles are often conditioned by household structure, access to resources, specific impacts of the global economy, conflicts and disasters, and other locally relevant factors such as ecological conditions. Like gender itself, gender roles can evolve over time, in particular through the empowerment of women and the transformation of masculinities.

Gender equity

The process of being fair to women and men. To ensure equity, measures often need to be taken to compensate (or reduce) disparities derived from historical and social disadvantages that prevent women and men from otherwise operating on an equitable basis. Equity leads to equality.








Gender responsive

Due consideration being given to gender norms, roles and relations and to addressing inequalities generated by unequal norms, roles and relations through remedial action beyond creating gender awareness.

Gender mainstreaming

The process of assessing the implications for women and men respectively of any planned action, including legislation, policies or programmes, in all areas and at all levels. This is a strategy for making women's as well as men's concerns and experiences an integral dimension of the design, implementation, monitoring and evaluation of policies and programmes in all political, economic and social spheres so that women and men benefit equally and inequalities are not perpetuated. The ultimate goal is to achieve gender equality.

Gender and development...Illustrating the Gender Gap

GENDER GAPS <small>AROUND THE WORLD</small>	CLIMATE CHANGE <small>IMPACTS</small>	IMPACTS <small>EXACERBATE GENDER INEQUITIES</small>
POVERTY <small>OVER 50% OF THE 1.5 BILLION PEOPLE LIVING ON \$1 A DAY OR LESS ARE WOMEN (SOURCE: UNFPA)</small>	CROP FAILURE 	Women experience increased agricultural work and overall household food production burden
WATER <small>ON AVERAGE WOMEN AND CHILDREN SPEND 8 OR MORE HOURS PER DAY COLLECTING WATER (SOURCE: UN WOMEN)</small>	FUEL SHORTAGE 	Many women in developing countries can spend between 2-9 hours a day collecting fuel and fodder, and performing cooking chores
ENERGY GOVERNANCE <small>ON AVERAGE, WOMEN ARE 16.7% OF GOVERNMENT MINISTERS; 19.5% OF PARLIAMENTARIANS; AND 9% HEADS OF STATE (SOURCE: IPU)</small>	WATER SCARCITY 	Increased burden on women walking further distances to access safe water, impacts the education and economic stability
FOOD <small>WOMEN PRODUCE OVER 60% OF FOOD IN SOME COUNTRIES (SOURCE: FAO)</small>	NATURAL DISASTER 	Women have a higher incidence of mortality in natural disasters ; women can suffer from an increased threat of sexual violence
LITERACY <small>TWO THIRDS OF THE 774 MILLION ILLITERATE ADULTS WORLDWIDE ARE WOMEN (SOURCE: UNSTATS)</small>	DISEASE 	As caregivers women often experience an increased burden for caring for young, sick and elderly as well as lack of access to health care facilities
LAND <small>WOMEN OWN JUST 2% OF THE WORLD'S LAND (SOURCE: UN WOMEN)</small>	DISPLACEMENT 	Forced migration could exacerbate women's vulnerability
	CONFLICT 	While men are more likely to be killed or injured in fighting, women suffer greatly from other consequences of conflict, such as rape, violence, anxiety and depression

COPYRIGHT (2012) – WOMENS ENVIRONMENT AND DEVELOPMENT ORGANIZATION (WEDO)

Source: Women's Environment and Development Organization – WEDO

GeSI, Energy and Development

- “Female-led enterprises are underrepresented at the higher levels of the chain (i.e. production and distribution) where mass markets are more likely to drive higher sales and revenues”. Sesan et al. 2019



- “Women are underrepresented in renewable energy sector, where they comprise an average of only 32% of the to
- Women make up only 13.9% of senior management within the energy and energy utilities composite workforce”
- Women are listed in less than 11% of patent applications related to the energy sector



Social Inclusion, energy and Development

People with disabilities are often:

- Housebound
- Marginalised from society
- Have poor working rights/conditions
- Women are disproportionately affected (especially those of working age)
- More exposed to air pollution

Solutions include:

- Energy is more accessible to those with disabilities in education/healthcare settings
- Tailored, accessible transport services
- Bespoke business models for people with disabilities (e.g. sales agents)



Refer to: OXFORD POLICY
MANAGEMENT 2019

Equality vs Equity



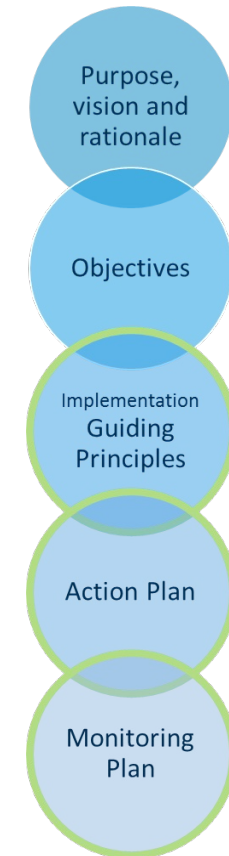
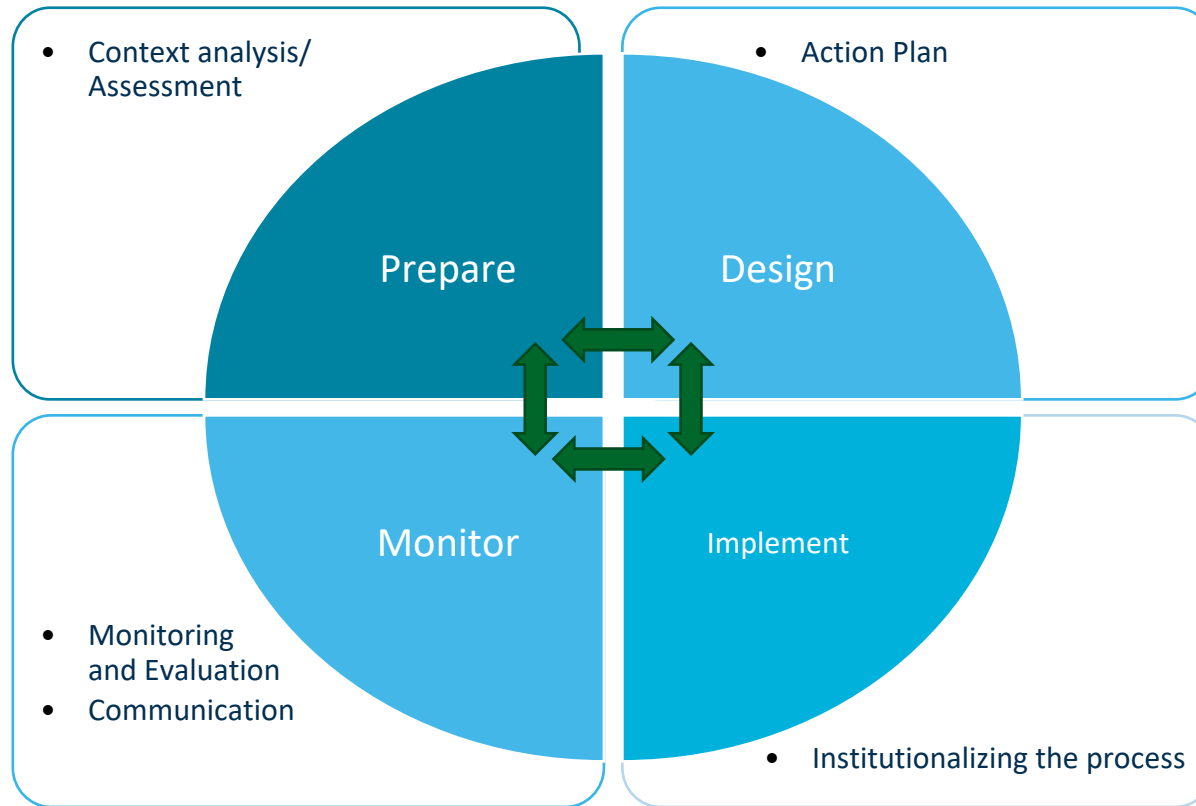


Thus, for development projects to have the maximum impact, it needs to account for gender and social inclusion.

How to GESI-proof proposals and monitor project performance against?

- A commitment for GESI and a compatible framework are the basic conditions for the development of a successful GESI mainstreaming strategy. In addition to concrete objectives and targets in the strategy, this mainstreaming requires a clear action plan.
- Performance against those plans need to be closely monitored

Toolkit: Example Mainstreaming Approach



Adapted from Cecelski and Dutta, Mainstreaming Gender in Energy Projects: A Practical Handbook, ENERGIA 2011

Linked to Policy

Toolkit **RESOURCES**

- Renewable Energy Performance Platform (REPP)
- Energia
- Clean Cooking Alliance (CCA)
- Women Organizing for Change in Agriculture and Natural Resource Management (WOCAN)
- Value for Women
- Energy Sector Management Assistance Program (ESMAP)
- Asian Development Bank (ADB)
- Overseas Development Institute (ODI)
- UN Flagship Report on Disability and Development (2018)
- Energy Catalyst Theme Guide: Gender & Social Inclusion

Gesi Action Plans involve...

A GESI Action Plan can be developed that details the constraints and opportunities for women, men and other social groups that were identified during the preparation phase (context analysis) and indicates how these can be fully integrated into the project design. The plan should include:

1. Agreeing on a gender goal or objective (deciding what the project aims to achieve from a gender standpoint), and include those in project documents, such as log frames, annual work plans, and reporting (see, e.g. the ENERZIA handbook for mainstreaming gender in energy projects)
2. A set of GESI-responsive actions that will address the needs of vulnerable groups. This includes the planning of specific outcomes and activities to meet these gender goals, which can be of two types:
 - I. Implementation actions
 - II. Institutionalisation of GESI mainstreaming in the project or organisation, to create the long-term capacity to implement the action plan activities
3. A clear set of performance indicators and sex-disaggregated targets against which progress will be measured
4. Presentation of GESI-responsive development impacts.
5. Designing a monitoring and evaluation framework to track the performance of gender activities

Slide adapted from Dr Jiska de Groot – University of Cape Town


Monitoring GESI

- M&E is often given insufficient attention. It is a task required by funders, so GESI analysis/gender disaggregation/reporting is considered additional work to an already burdensome task.
- Project leaders, company executives do not always see GESI, emphasize gender or see it's overall purpose, so it is often "forgotten".
- Look at and reflect upon the make-up of project consortia to give yourself a basic understanding of organisational structure/ capacity/ corporate approaches to GESI. It can often be gender blind.
- Equally, engage with your partner's in country to encourage diversity and inclusion of field staff. Patriarchal communities may view themselves as gender neutral but women's opinions may not be recorded, because women are often not present in meetings or are not confident to speak up.
- Gender disaggregated data is helpful but doesn't tell the entire story
- Remember: GESI monitoring and evaluation can be costly and time consuming and appropriate budgets need to be set at the preparation phase.

Examples of GESI IMPACT: Women as SALES AGENTS

Productive Use of DC Solar Power in Africa to Improve the Quality of Rural Life: Africa Power

- Designed a corporate gender policy (both UK and Tanzania)
- Creation and delivery of bespoke training programme designed for female agents in Tanzania
- Increased proportion of female employees (technical, admin, leadership etc.) from 17% to 40%
- Increased proportion of female agents from 10%-68%

ACTIVITY	Connecting with your Customer
<p><i>Activity Purpose</i></p> <p>Participants will explore how questions help build connections with others.</p>	<p>Ask the group: What questions have worked for you to build connections in the past?</p> <p>Invite people to get into pairs. One person will play the businesswoman and the other will play the customer.</p> <p>Tell the pairs to get to know each other using the questions that have worked for them in the past. In 5 minutes, ask them to switch roles.</p> <p>Let's practice building connections!</p> <p>Invite everyone back to the group to share their experience of getting to know each other.</p> 

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Examples of GESI IMPACT: Women as SALES AGENTS

MOPO Hubs: Providing households with energy and e-mobility solutions through a pay-per-use battery sharing platform: Mobile Power

- Designed a specific GESI strategy for the recruitment of female MOPO agents.
- Appointed a full-time Gender Empowerment Field Officer dedicated to mentoring and gender-specific support
- Bespoke 'Empower Training Programme'
- Will achieve 50% gender equal workforce
- Recently launched its first all-female MOPO Hub in Sierra Leone.
- Continued work from EC6 to EC7



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Questions?

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Case study of previously funded projects

Pyrogenesys



Amy Flynn Is Presenting



PyroGenesis

All things work together for good

Energy Catalyst Round 9 Launch Event

Experiences of Project Admin & Delivery

25 May 2022 (v1)

2022-05-25_Energy Catalyst R9 Launch_PyroGenesis_Project Admin.pdf - Adobe Acrobat Reader DC (32-bit)

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