




# 2021 impact at a glance

Building a sustainable society and inclusive economy that works for everyone.

The Royal Academy of Engineering's Sustainable Development programmes help tackle the global challenges of our time by advancing engineering's contribution to a safer, healthier, more prosperous world.

-  Africa Catalyst
-  The Africa Prize for Engineering Innovation
-  Frontiers
-  Higher Education Partnerships in sub-Saharan Africa
-  Leaders in Innovation Fellowships



**1,104 hours**  
of training and mentoring provided by expert Academy Fellows and sector specialists



**All 17 UN SDGs**  
impacted around the world through Sustainable Development activities



**More than £1.45m**  
of grant funding awarded to changemakers delivering transformative solutions



**£11.4m of third party**  
follow-on funding raised as a result of entrepreneurship support

# Impact



**More than 91**

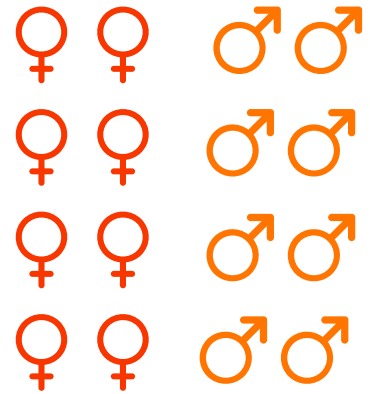
new companies started by our alumni



**433**

new high value jobs created

## Gender parity



achieved for the first time for the Africa Prize shortlist, with **8 female** and **8 male** innovators



**53,100**

COVID PPE units sold and gift of **34,000** units in Africa enabled by programme alumni



**86**

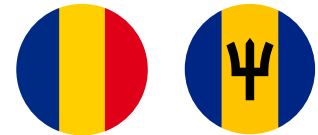
new engineering entrepreneurs from **19 countries** enabled to commercialise their business



**6 new seed-funded grants** awarded to create new international partnerships



New online community platform created for **more than 1,000** of our global LIF alumni



Partnerships created with **2 new countries** to bolster national innovation ecosystems in **Barbados and Romania**



**38 projects active** in more than **18 countries** in sub-Saharan Africa, strengthening the capacity of professional engineering bodies and higher education institutions



First **fully virtual** and **first fully blended** Frontiers Symposia hosted



Represented the UK as a global hub for the **UNESCO World Engineering Day** 24-hour livestream

“As project manager and initiator, I am proud to see the impact that this Africa Catalyst project brought to the Institution of Engineers Rwanda and to the society in general. This programme supported and developed career skills for 210 young graduate engineers needed in the industry, 77% of whom were hired after the internship period. With structured guidance and training under the supervision of senior engineers, this programme needs to be sustainable and supported from all levels.”

**Cecile Uwimana, Rwanda, Africa Catalyst awardee**

Following the success of its HEP SSA project, Ghana's Ministry of Education is working with UNESCO to designate the Technology Consultancy Centre at Kwame Nkrumah University of Science and Technology a UNESCO Centre of Excellence in Innovation, Manufacturing and Technology Transfer.

Through their Africa Catalyst project, the FAEO trained engineers in the Democratic Republic of the Congo, Rwanda, Kenya and Zimbabwe on how to develop infrastructure report cards. This will enable them to inform and influence decision makers on future infrastructure planning and maintenance.

**“The connections we have built during the LIF programme will help us take our solutions to the global economies.”**

**Vikram Gulecha,  
India, LIF5 participant**

**“The HEP SSA AI4CE project will develop innovations and inventions that will change the way we learn, teach, research, mentor, live in our communities, all geared towards attaining the SDG goal on affordable and clean energy.”**

**Abiodun Musa Aibinu,  
Nigeria, HEP SSA awardee**

## Media

Over **800 articles** on the Academy's international work in global media.

Coverage in countries around the world, including Kenya, The Gambia, India, Peru, Turkey, the US, Nigeria, Singapore, South Africa, Germany and the UK.

Tried an innovator series on **Clubhouse**, reaching hundreds of people via a new platform.

**Covered in outlets including:**



Noel N'Guessan, winner of the 7th Africa Prize interviewed by Chief Scientific Advisor at the Department of Business Energy and Industrial Strategy, Professor Paul Monks for the ODA's 'Good Development' series.

Norah Magero, Africa Prize alumna, received an enquiry from Kenya's vaccine board as a result of media coverage.

Daniel Taylor, Africa Prize alumnus, secured a meeting with the Ghanaian chamber of commerce as a result of media coverage.



"The project empowered me and my team to work together and create real change. As well as the amazing impact we were able to achieve together in Uganda, the project had an unprecedented impact on my life as an engineer. The collaborations I developed along the way will be lasting."

**Evdoxia Viza, UK,**  
Frontiers alumna

"Once you go to LIF your mind expands, and you are not the same again, you realize that you can reach the world. It is transcendental."

**Alejandro Hincapie,  
Ruta N, Colombia**  
In Country Partner

"The Academy's continuous wholesome support and assistance have been a stamp of credibility to our business and a major contributor to the growth of ...the brand, enabling us to serve our customers' needs and gaining their trust."

**Chinenye Justin  
Nwaogwugwu, Nigeria,**  
Africa Prize and Project  
CARE alumnus