

# **Project partner support**

In order to be considered for funding, projects must include at least one UK partner. The Academy will support with identifying UK/African partners by updating the spreadsheet below as requests come in and uploading to the ‘How to apply’ page of the website. Please note that UK industry partners are also welcome to express interest. If you would like further information and to be put contact details for any of the partners listed below, please email africaengineers@raeng.org.uk

**African Professional Engineering Body seeking UK partner(s):**

Please note that the lead applicant must represent a professional engineering body, but co-applicants can be from other backgrounds.

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|  | **Organisation** | **Website** | **Project idea/summary** | **UK expertise required** |
| **1** | Uganda Institute of Professional Engineers | <https://uipe.co.ug/>  | The Uganda Institute of Professional Engineers are seeking a UK partner to strengthen the Innovation capacity of Engineering Innovators starting with 3rd and 4th year students from selected Universities across Uganda as well as developing the IP and innovation policy for the institution. We are very passionate about diversity and inclusion in the way it delivers services to its members as informed by the diversity and inclusion policy developed during the GCRF Africa Catalyst phase 2. Therefore, in this project, we are seeking to reach out to marginalized groups specifically women in engineering and engineers with disabilities. The project will set up and train an engineering innovation peer review committee that will receive and review students’ innovation prototypes. | In this project, we are seeking an Innovation Advisory expert to assist us insetting up and training an engineering innovation peer review committee that will review students’ innovation prototypes through a D&I focused lens. |
| **2** | The Gambian Women Energy Institute |  | The Gambian Women's Energy Institute will collaborate with the Gambian University, UK universities, and industry leaders to develop the following solutions: 1. Industry Standards: We will establish a set of industry standards for proposing, installing, and maintaining solar installations. These standards will ensure best practices, safety, and efficiency in the renewable energy sector. 2. Installation and Maintenance Standards: We will define comprehensive standards for installing, testing, and maintaining solar installations. These standards will include performance levels for energy generation and storage, ensuring optimal system efficiency. 3. Solar Ninja Apprenticeship Scheme: In partnership with the Gambian University, we will pilot an apprenticeship scheme specifically designed for women interested in renewable energy. The Solar Ninja program will provide hands-on training in solar power generation, conversion (via inverters), and storage (via batteries). By taking a holistic approach, we aim to ensure that the capture of energy from the sun, its conversion, storage, and usage are as efficient as possible. In addition to our focus on solar energy, we are committed to exploring and expanding other renewable sources to promote other forms of renewable energy. Our future initiatives will include programmes, research, and partnerships related to wind power, hydroelectricity, bioenergy, and more. By embracing a diverse range of renewable energy sources, we aim to create a more sustainable and resilient energy landscape. | UK universities/ Energy industry leaders |
| **3** | Institution of Engineers Rwanda (IER) | www.engineersrwanda.rw | Rwanda's Vision 2050 outlines an ambitious roadmap towards a prosperous, inclusive, and sustainable future but lacks the think tank and framework for proper Infrastructure Development in the Built Environment to ensure appropriate competences for all practitioners, address projects fit for purpose and value for money issues, maintain compliance inspection and enforce infrastructure projects peer review among others in accelerating this noble goal.The IER seek a UK partner to establish a Multidisciplinary Coalition of Professionals (MCP) and promote strong Industry – Academia relations to translate and implement the vision into reality as a pilot in Rwanda for Africa's Sustainable Implementation of Agenda 2063 and SDGs. This MCP will be coordinated through the Institution of Engineers Rwanda (IER) and TASKS AFRICA partnership by creating a dynamic force of professionals to accelerate implementation while addressing common professional ethical dilemmas in the Built Environment for sustainability.The approach meets expectations of Rwanda’s Vision 2050 of a knowledge-based, middle-income country with a green and resilient economy. Achieving these goals requires properly coordinated efforts of leadership for the built environment, from infrastructure development and technology innovation to education, agriculture and healthcare sectors. Engineers, with their problem-solving skills and technical expertise, are well-positioned to spearhead this transformation. | Any organisation with competences in the Built Environment Infrastructure Projects Designs, Implementation and Institutional Collaboration who can support in achieving the desired outcomes. |

**UK partner seeking African Professional Engineering Body.**

A UK partner could be from an NGO, university, industry or other.

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|  | **Organisation** | **Website** | **Expertise**  |
| **1** | University of the West of Scotland | <https://www.uws.ac.uk/>  | The University of the West of Scotland are seeking an African partner to support on the Africa Catalyst phase five call. The University of the West of Scotland can bring expertise of gender diversity issues, project management, developing training sessions and learning material for practising and professional engineers to enable continuous professional development & also support the establishment of mentoring.Offering flexibility to adapt to the intended direction and needs of the African lead, the team at UWS can bring a gender diversity lens to the project, support sustainable solutions for the lead applicant’s institution by developing learning material for their continuous professional development as legacy of the project and support educational - professional and industrial collaborations tailored to the local settings. First steps for collaboration would suggest a training needs analysis to identify knowledge gaps to help the lead applicant to direct the solutions to be developed. |
| **2** | University of the West of England | <https://www.uwe.ac.uk/>  | The UWE are seeking an African partner to support the engineering organisation in bench marking their framework of professional registration and accreditation to meet the international standards including the standards set by the International Engineering Alliance (<https://www.ieagreements.org/> . The University of the West of England (UWE) has an active research community, which makes a significant contribution to advances in industry, commerce, health, and technology, both nationally and internationally. We will be able to help the African institution to develop a comprehensive framework for CPD and assessment criteria for the registration of engineers at different levels. We will be able to help in doing any preliminary research study and investigate how to reduce the gender gap in engineering stream. We can be able to develop the framework on how to motivate young people to choose engineering education and profession as their first choice. We are also able to help in the investigation into how to improve the engineering profession and companies in a specific African country to become the leading profession and increase the resilience of engineering companies thus contributing to the economy. |
| **3** | Robert Gordon University Aberdeen | <https://www.rgu.ac.uk/>  | Robert Gordon University are seeking an African partner with expertise in geothermal energy development, especially the geomechanical and geochemical issues related to the development of geothermal energy. We are interested in projects and expertise in geothermal energy as we are in developing capacity for geothermal energy development in Africa. Our focus would be to develop geomechanics and geochemistry expertise critical to successful development and operation of geothermal energy systems. We are looking for an African partner working in this or related areas. |