



Royal Academy  
of Engineering



UNIVERSITY OF THE  
WEST of SCOTLAND  
**UWS**



## **Africa Catalyst Phase 5 Project sponsored by the Royal Academy of Engineering UK:**

**Title:** Strengthening the Institutional Framework of UIPE to advance the Contribution of Engineering Professionals to Innovation Value Chain in Uganda.

**A CALL FOR YOUNG ENGINEERING INNOVATORS**

**A Free Three-Day Physical -  
Business Development Support  
Services training (Entrepreneurship  
skills)**

# Background

The Uganda Institution of Professional Engineers (UIPE) is a professional body that brings together Engineers, Technologists and Technicians and promotes best engineering practices in Uganda. In executing its work, the institution has collaborated with the Royal Academy of Engineers, UK on Africa Catalyst Phase 5 Project titled '*Strengthening the Institutional Framework of UIPE to advance the Contribution of Engineering Professionals to Innovation Value Chain in Uganda*'. Among the project planned activities is the call to Young Engineering Innovators to be selected for **Business Development Support Services training (Entrepreneurship skills) for young engineering innovators.**

Young Engineering Innovators with innovation that capture a successful implementation of a new idea and creating value for your customer and stakeholders. Innovation starts with a new idea, and it could a plan for an improved product or service. It may be an updated method for running your operations, and it could also be a business model. All innovations must be geared at solving a community problem as linked to the Sustainability Development Goals.

# Young Engineering Innovators Application Form

(To be filled by Eligible Applicant)

## SECTION A

Applicant Name:

UIPE Membership Class (if applicable):

UIPE No (if applicable):

Mobile No:

Email Address:

Innovation Type:

Select one  Start-up idea

Scaling-up idea

Thematic Track (Select one)

- a) Renewable Energy efficiency Technologies
- b) Water Waste /Pollutant Management Technologies
- c) Automobile Development Technologies
- d) Climate Change Adaptation Technologies
- e) Production /Manufacturing Technologies
- f) Construction materials and design technologies
- g) Agricultural value chain and post-harvest handling technologies
- h) Food Security
- i) Waste Recycling/re-usage technologies
- j) Power systems technologies
- k) Biomedical Engineering services
- l) Mobile water filters for displaced persons and water stressed communities
- m) Solar ambulance technologies for island communities
- n) Engineering solutions for solid waste management in new municipalities and town councils
- o) Industrial effluent/pollutants treatment technologies for industrial parks
- p) Artificial Intelligence
- q) Others: .....

Innovation team members:

Names and Contact details

**SECTION B**

**PART 1: DESCRIPTION OF THE INNOVATION/PRODUCT/SERVICE**

I ..... agree to disclose my innovation (s) solution to UIPE for the sole purpose of participating in the upcoming Business Development Support Services training (Entrepreneurship skills) for young engineering innovators.

What is the problem or community need you are addressing and why is it important to solve it?  
*(Maximum Words 500)*

*(Show that there is a problem worth solving, application benefit, community benefit and the need for development of new applications)*

Briefly describe the innovation and how it works *(Maximum Words 1000)*

*(Show that you are indeed providing a solution to the problem you described as the community's need to the extent of impressing potential community stakeholders based on the unique value proposition of the innovation)*

What are your current income streams associated with your solutions? *(Maximum Words 200)*

*(Show how business' cash comes and grows from customers (for stable revenue businesses), or the progress with revenue stream testing (before revenue stability) - figures for product pricing and unit economics are important, and if not completed can provide remaining budget estimate)*

**PART 2: SCALABILITY AND IMPACT**

Who is your target customer? *(Maximum Words 200)*

*(Show that there are some early adopters interested to buy the product/innovation, and there's big room for customer growth hence a scalable and sizeable business)*

What are the existing and possible future alternatives to your product/innovation and why should customers select yours as better? *(Maximum Words 500)*

*(Show from the product/innovation perspective why you are better or different from the existing alternatives by describing your differentiation in comparison to the competition).*

In what ways are you already growing your number of customers and users? Or how do you plan to grow your number of customers and users? (*Maximum Words 500*)

***(Show that you have thought of, or tested (better) the channels and strategies through which the customers and revenue are growing or are bound to grow in a way that customer acquisition costs are sustainable.)***

What are your next steps or targets to achieve in the next 3-12 months? (*Maximum Words 200*)

***(Show a roadmap for the immediate (< 3 month) and medium term (4 - 12 month) milestones to be achieved, and to complement the market traction and achievements slide in demonstrating a mindset of speed, focus and learning. Demonstrate how the future might be with or without an investor on board)***

Have you had any form of Business Development Support Services (Entrepreneurship) training before? (*Maximum Words 200*)

***(If yes, clearly indicate the type of training and the objectives)***

<b>DECLARATION</b>	
I declare that the information provided in this application form is correct, accurate and pertain to my innovation and/or business. I agree to abide by the terms and condition of participation.	
<b>Sign:</b>	<b>Date:</b>

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**APPLICATION FORMS CAN BE DOWNLOADED FROM THE UIPE WEBSITE** (www.uipe.co.ug). Application documents should be in one PDF file and can be hand delivered or emailed to the address below. The form is also available online on the link:  
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Applications should be addressed to:  
The Executive Secretary  
Uganda Institution of Professional Engineers  
P. O. Box 1308 Kampala; Public Works Training Centre  
Email: info@uipe.co.ug or pdm@uipe.co.ug

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