



# First Call Application

Welcome to the first ever Engineering Design Competition (EDC) by Science to Products Africa Initiative ([S2PAfrica](#)).

[African Problems, African Minds](#)

Save the date: February 15, 2022.

Call opening: September 6, 2021

Application deadline: November 1, 2021

Evaluation and Selection: November 1 - 10, 2021

## Application: Guide

1. All applicants must have resided in Africa for more than 4 years on the closing date of the call.
2. All applicants must be students or recent graduates of a university in West Africa on the closing date of the call.
3. All applicants must be between the ages of 18 - 24 years old.
4. All applicants must create a pdf document using the application template below and send it to [edc\\_admin@s2pafrica.org](mailto:edc_admin@s2pafrica.org) before the deadline (November 1, 2021 12pm GMT) with the subject line: **EDC Application Form [Your Solution Name]**. For example, a solution titled 'DEMOCRATIZING ENERGY' should have the subject line: *EDC Application Form DEMOCRATIZING ENERGY*. Please do not send multiple copies of this form. Each applicant can submit **ONLY ONE** application, before the deadline, to be considered for the competition.
5. Each application must complete all required questions to be accepted.

Please tell us who you are, and your proposed project for the competition. The evaluation of each proposal will be carried out with the collaboration of the competition's panel of expert judges. All applicants will be informed latest by November 10, 2021 if their application has been accepted for the competition.

If you have any questions, don't miss our [info session](#) on October 16, 2021.

# Application Template

## Application: About you

The primary delegate for this project should fill and submit this application

First Name: (Required)

Middle Initial:

Last Name: (Required)

Date of Birth: (Required)

Gender: (Required)

Education information: (Required)

Name of educational institution:

Institution type:

Your Student Identification Number:

I certify that [ **Your Name** ] is a student at [ **Your Institution** ]. I began my studies on [ **Start Date** ] and expect to graduate on [ **Expected Graduation Date** ]

Signature \_\_\_\_\_

## Application: Project Proposal

### Solution Name: (Required)

Enter a title for your solution that will appear on S2P's website. It could be the name of the product, service, or technology. We recommend a maximum length of 5 words.

### One-line solution summary: (Required)

Summarize your solution in 10-20 words. This summary will be used to describe your solution on the S2PAfrica website, in introductions to S2PAfrica partners, and potentially in the media. For inspiration, take a look at examples.

### **Pitch your solution. (Required)**

In 150 words or less, share the crucial details of your project. Your pitch should answer these questions: 1. What problem are you committed to solving? 2. Why is this project interesting? 3. What solution are you proposing? 4. To whom is this solution valuable (i.e., who is your target population)? 5. How could your solution positively change the lives of your target population?

### **Knowledge gaps. (Required)**

In 150 words or less, share the knowledge or skills you will employ to create this solution. You could include any limitations or opportunities in your target community that will impact the technical and practical decisions you make for your project. Your knowledge gap could answer questions such as: 1. Why did you choose a certain tool or technique? 2. What modifications to standard practices have you made to meet the needs of your target population?

### **What specific problem are you solving? (Required)**

Describe the specific problem within the Categories that you are working to solve. What is the scale of the problem in the communities you are working in? How many people are affected? Which factors contribute to the problem related to your solution? Include any relevant local or global statistics. If you're not sure where to start, take a look at resources [here](#) on our blog.

### **What is your solution? (Required)**

Describe your solution and how it works in simple terms. What is the solution? What does it do? What processes and technology does it use? How will it be used?

### **Who does your solution serve, and in what ways will the solution impact their lives? (Required)**

Describe the target population whose lives you are working to directly and meaningfully improve. Who are they? What are you doing to understand their needs, and how are you engaging them as you develop the solution? How will the solution address their needs?

### **Which dimension of the Categories does your solution most closely address? (Required)**

Select the dimension(s) to which your solution is most aligned. Only select "Other" if your solution is clearly not aligned to any of the listed dimensions. If you select "Other", be sure to explain your selection in the next question and clarify why your solution is still relevant to the competition. We may add new categories so please continue to check our website (<https://s2pafrica.org/edc/categories>) for the most up to date list of categories.

- ☐ Harness ignored energy
- ☐ Keep the lights on

- ☐ Localization
- ☐ Integrated solutions
- ☐ Autodesk
- ☐ High efficiency devices
- ☐ Other

**Explain how the problem, your solution, and your solution's target population relate to the competition and your selected category/categories. (Required)**

Alignment to one or more categories is critical to your application's success. Solutions will be poorly rated by our judges if they either do not align to a category or they fail to convincingly describe how they do. Use this space to explain how the problem, solution, and target population you described above are well-aligned to both the competition and your selected category. If your solution relates to more than one category, you can provide details here.

**How did you find out about the S2PAfrica Engineering Design Competition?**

We are asking this question to help grow the S2PAfrica community. Your answer to this question will not be part of your public application and will not be used during selection.

- ☐ Word of mouth
- ☐ Google or other search engine
- ☐ Email from S2PAfrica
- ☐ Email from your network
- ☐ S2PAfrica website
- ☐ External website
- ☐ S2PAfrica event
- ☐ Facebook
- ☐ Twitter
- ☐ Instagram
- ☐ LinkedIn
- ☐ YouTube
- ☐ Other (Please provide more details)