



STUDENT SUSTAINABILITY COMMITTEE

Funding Application – Small Projects (Under \$10K)

Please submit this completed application and any relevant supporting documentation by the deadline listed on the SSC website to Sustainability-Committee@Illinois.edu. The Working Group Chairs will be in contact with you regarding any questions about the application. If you have any questions about the application process, please contact the Student Sustainability Committee at <http://sustainability-committee@illinois.edu>.

General Information

Project Name: Photoluminescent Pathway

Total Amount Requested from SSC: \$ 10,000

Project Topic Areas: Land & Water Education Energy
 Transportation Food & Waste

Contact Information

Applicant Name: Photoluminescent Pathway

Unit/Department or RSO/Organization: UIUC MEng Energy Systems

Email Address: sottori2@illinois.edu

Phone Number: 217-333-1000

Project Team

Name	Department/Organization	Email
Arjun Krishna Kumar	Energy Systems	akrshnk2@illinois.edu
Emmanuel Fadahunsi	Energy Systems	eof3@illinois.edu
Kyle Sottoriva	Energy Systems	sottori2@illinois.edu

Financial Contact's Name: Rizwan Uddin

Faculty/Unit/Department: /College of Engineering/Nuclear Engineering/Energy Systems

Email: rizwan@illinois.edu

Phone:(217) 244 - 4944

(If Applicable)

Facilities Manager Name: NA

Email:

Phone:

Project Information

Provide a brief background of the project, its goals, and the desired outcomes.

Our project is inspired by Studio Roosegarde's Van Gogh Path project in Netherlands. The goal of the project is to create an illuminated portion of sidewalk on campus made of phosphorescent compound. We would like to have a student contest for the design implemented.

How will this project improve sustainability at UIUC?

If implemented, the pathway will be a zero net-carbon source of light. It will also be a highly visible, aesthetically pleasing layout that easily attracts attention to the huge variety of possibilities for increasing sustainability.

Where will the project be located? Do you need special permissions to enact the project at this site? If so, please explain and attach a letter of support to your application.

Our goal is to implement this project on the Main quad, north quad, or south quad depending on permission from Facilities & Services.

Other than the project team, who will have a stake in the project? Please list other individuals, groups, or departments indirectly or directly affiliated to this project. This includes any funding entities (immediate, future, ongoing, etc.) and any entities that will be benefiting from this project.

Facilities and Services and potentially UIUC Design Center

Please indicate how this project will involve or impact students. What role will students play in the project?

Under our plan, students will be able to submit plans for the design to be implemented. The winning team with the most artistic design will be selected to implement their design under the supervision of F&S representatives.

Have you applied for funding with SSC previously? If so, for what project?

No.

Scope, Schedule, and Budget verification

What is the plan for project implementation? Describe the key steps of the project including the start date, target completion date, target date for submitting a final report, and any significant tasks or milestones in the table below. Please be as detailed as possible.

Step 1 : Retrieve full quote of product (and possible discount) from supply company (*Pro-Teq in UK etc*)

Step 2: Receive permission from UIUC Facilities and Services to potentially do the project if it is selected

Step 3: Find a location that is approved by F&S

Step 4: Reach out to Art/Architecture majors for design ideas – competition

Step 5: Execution/Commissioning

List all budget items for which funding is being requested. Include cost and total amount for each item requested. Please be as detailed as possible.

Proposed cover area: 50 square meters

Estimate from Pro-teq Website: 34 packs of 25 kg needed to cover 50 square meters for a cost of \$105 per pack.

Total material cost estimate: \$3500 (\$70 per square meter)

Shipping Cost Estimate (UPS): Air freight rate approximately \$1800 (34 x 25kg)

Total estimated cost: \$5400

If the project is implemented, will there be any ongoing funding required? What is the strategy for supporting the project in order to cover replacement, operation, or renewal costs? (Note: SSC provides funding on a case by case basis and should not be considered as an ongoing source of funding)

The answer to this question is contingent on further specifications about the durability of the product depending on the company that supplies it.

Please include any other sources of funding that have been obtained or applied for, and please attach any relevant letters of support.

NA

What is the plan for publicizing the project on campus? In addition to SSC, where will information about this project get reported?

Our goal is to have a design competition either through the UIUC Design Center or another campus organization. The competition will be open to all to students.