Green Roof Team
Southern Illinois University Carbondale

2021—2022 Sponsorship Packet

Email: greenroof@siu.edu
Website: www.greenroof.siu.edu
Instagram: @SIU_GreenRoof
LinkedIn: https://www.linkedin.com/company/siu-green-roof-team/
The Green Roof Team provides students the opportunity to design, product develop, and install clean energy technology at Southern Illinois University Carbondale.

*We strive to increase campus sustainability through innovative designs.*
The Green Roof Team was formed in Fall 2019 to transform the SIU Green Roof into a multidisciplinary research facility for academic research across campus. The SIU Green Roof was installed in 2009 for horticultural research and four sections of native plants: a sedum dominated classical European, second sedum dominated section with modern drainage membrane, and two research/wildflower meadow sections.

We strive to install student-designed clean energy technology and innovative projects to inspire our Salukis to find their passions on the SIU Green Roof! Currently, we have 20 team members from SIU Carbondale, Case Western University, Drake University, Texas A&M, and the Interamerican University of Puerto Rico.

For more information, please refer to www.greenroof.siu.edu.

### 2020-2021 Projects

- **Temporary Wind Turbine**
  We have designed and manufactured a 10 foot-tall mount secured with ballast for a temporary rooftop installation to support a fabricated wind turbine generator.

- **Campus PV Feasibility Study**
  We have analyzed the feasibility of rooftops on SIU Carbondale’s campus for a future grid-tied system and integrated solar modules to the temporary wind turbines.

- **Autonomous Irrigation System**
  We have programmed a microcontroller to monitor and automate the SIU Green Roof’s irrigation system.
2021-2022 Wind Energy Projects

The Green Roof Team successfully installed the first temporary wind turbine in May 2021 and will continue to innovate by improving their current design through integrating photovoltaics, manufacturing student-designed blades, and installing on higher elevated buildings for power generation.

How You Can Help!

Here are three ways you can become involved our the Green Roof Team:

- **Advisory**
  We appreciate mentorships from academic and industry leaders with relevant experience in manufacturing wind turbine’s mechanical and electrical systems.

- **Financial Support**
  We appreciate charitable donations towards our team and project for operations, materials, and execution in tantum with our grants.

- **Material/Service Donation**
  We appreciate materials donated towards our design and project in-kind or at a discounted price such as metal for the mount, wind turbine parts, or product development services such as powder coating.
2021-2022 Solar Energy Projects

The Green Roof Team successfully assessed the feasibility for PV systems on campus rooftops in May 2021 and will install a grid-tied PV system for the SIU Agriculture Building and other identified rooftops in Spring 2022 as well as integrate photovoltaics into our temporary wind turbine designs.

How You Can Help!

Here are three ways you can become involved our the Green Roof Team:

- **Advisory**
  We appreciate mentorships or advice from academic and industry leaders with relevant experience in installing grid-tied photovoltaic systems.

- **Financial Support**
  We appreciate charitable donations towards our team and project for operations, materials, and execution in tantum with our grants.

- **Material/Service Donation**
  We appreciate materials donated towards our design and project in-kind or at a discounted price such as mounting equipment, solar panels, electrical items, and project execution services such as a crane or lifting machine.
Partner with Us

Sponsorship Benefits

Increase Your Company’s Reach And Visibility
The Green Roof Team collaborates with the University Innovation Fellows at SIU Carbondale for hosting virtual Design Thinking Workshops internationally. These impact students and participants by showcasing our project and sponsors while empathizing with the individuals on improvements as well as future projects or features!

Connect With The Next Generation of Industry Leaders
The Green Roof Team trains their team members to work virtually and build relationships among an interdisciplinary team of campus leaders. Being a sponsor offers your company access to our leaders and future graduates. Additionally, several project managers are receiving their certification as Energy Management Technicians in the European Union offered by the European Centre of Technology.

Invest In A Sustainable Future
The Green Roof Team has the greater impact of inspiring students and the local community to create a more sustainable future through clean energy. Join our movement and see the benefits on campus and in the community for future generations.
## Sponsorship Packages

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*A Product or Service’s Donation value has higher value than the listed values for each package.*