

ESF/SU's 2020 Solar Decathlon Design Challenge Presentation

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ABSTRACT

After assembling an award winning team of students for the 2019 Solar Decathlon Design competition, SUNY ESF and Syracuse University's Solar Decathlon team is excited to present a brand new project. Led by a group of last years brightest, we have gathered students from multiple colleges on Syracuse University's campus including SU Engineering, architecture, and technology as well as SUNY ESF's construction management, landscape architecture, and environmental engineering programs. With a team of aspiring industry professionals in every contest of the decathlon we believe we have what it takes to create a project more influential than last years' project SEED. In a competition that uses sustainable construction and building science as a platform to solve real issues, we wanted to tackle something bigger than just our hometown of Syracuse. The team will be designing a Mixed-Use Multifamily transitional home with offices and living facilities for young adults over the age of 18 with mental disabilities. In partnering with a non for profit organization, Christopher Communities, Inc., this project has the potential to blend energy efficiency and green design to create a safe and comfortable environment for the intended occupants. Other partners who will be working with include SU's Architecture professors, The Genesis School program, SU's NEXUS technology innovation club, Green Construction Group (GCG), the American Institute of Architecture Students(AIAS), the National Organization of Minority Architects (NOMA) and many more. Join us in taking the next steps in sustainable construction and let us show how we can not only build green, but use building science and technology innovation to help people all over the world. We will show how our team has evolved and follow our progression from conceptual design to a build ready project presented to the Department of Energy in Golden Colorado for the 2020 Solar Decathlon Design Competition.

BIOGRAPHY

18th Annual New York State Green Building Conference

- April 2 & 3, 2020 -

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Last year a group of passionate students from ESF decided to put together a student run team of aspiring professionals to compete in the National Solar Decathlon Challenge sponsored by NREAL. This competition is designed to place professionals in an environment where they can apply the lessons that they learn from the classroom towards innovation in building science to create something much farther reaching than sustainable construction on its own. These students formed the 2019 ESF & SU Solar Decathlon Design Challenge Team and as you know, our team went on to win our division and present our project (SEED) at the 2019 Green Building Conference. After our success and love for the competition we are excited to begin a new project for the 2020 competition and take what we have learned last year and to build a team better than ever before. Our new team is comprised of students from every walk of life and discipline from construction managers, landscape and undergraduate/graduate architects, mechanical/aerospace/civil/chemical/environmental engineers, and technology innovation researchers that are all working towards a common goal. With help from faculty advisers, industry partners, collegiate clubs and research programs, we believe we have what it takes to create a project that we are extremely excited to bring to present at the Green Building Conference this year.

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