



# Engineers for a Sustainable World

DESIGN • EDUCATE • BUILD

Hi Engineers of Cal Poly!

Engineers for a Sustainable World is a brand-new club at Cal Poly. We are a chapter of a national organization and our goal is to support our members in their endeavors to explore, develop, and improve sustainable technologies. We wish to improve the lives of humans without diminishing the opportunity of lives to come. Our club provides hands-on experience and since we are new, it's a great time to get in on the ground level.

We have two main projects this year. One project team is working to design and build a "solar cart" powered by solar panels. This cart will be a self-contained power generation and storage device that can serve multiple purposes depending on need. One possible use may be providing transportable power for various applications in developing areas. Additionally, we are looking to develop an innovative approach to clean the solar panels to consume less water.

The other project team is utilizing the power of the sun to provide a sustainable way to produce clean water. We are creating a distillation system to work in conjunction with a concentrating solar mirror to clean seawater. The focus of our research is increasing the efficiency of a traditional distillation system.

Our meetings are twice a week. Our project teams meet on Thursdays from 11-12 for logistics and again on Sundays for three hours for project construction and testing.

If interested, please contact me to find out when our next meeting is, for more information, or with any questions. We hope to see you at a meeting!

**Kelly McGartland**

*Engineers for a Sustainable World, President*

*California Polytechnic State University*

*Email: [knmcgart@calpoly.edu](mailto:knmcgart@calpoly.edu)*