

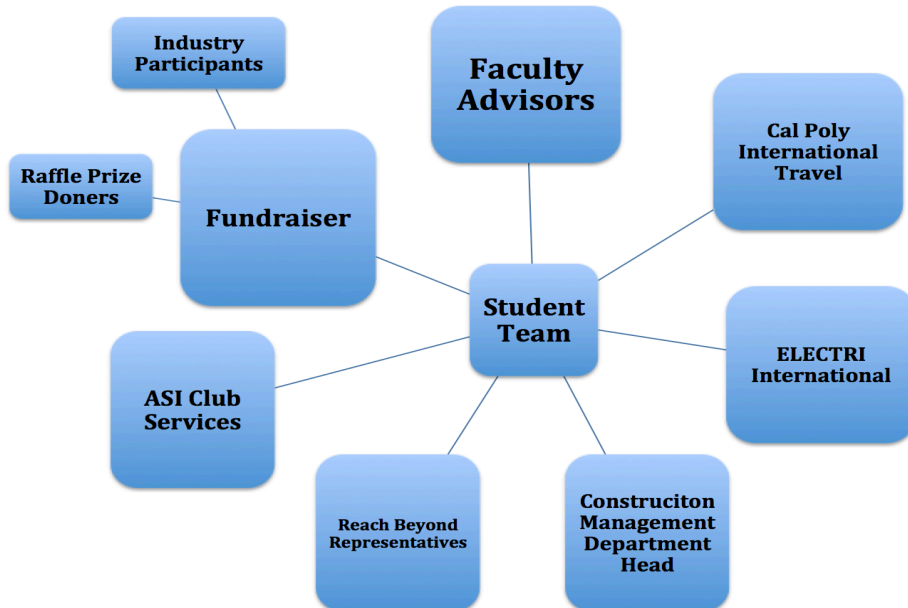
# Student Led Service-Learning Initiative: Installation of Photovoltaic Water-Pump Systems in the Ecuador Amazon Rainforest



The National Electrical Contractors Association (NECA) student chapter at California Polytechnic State University in San Luis Obispo, California was selected by an association called ELECTRI International to participate in their Student Community Service Initiative program. This paper summarizes the findings of a student-led project made possible by ELECTRI International's program. The project included coordinating, funding, and executing a project to facilitate the installation of photovoltaic water pump systems to indigenous villages in the Ecuador Amazon Rainforest. A team of five students and two faculty members travelled to the Ecuador Amazon Rainforest in March 2018 to execute the project. This project had three main goals. First, was to increase student interest in sustainable MEP systems. Second, was to expand student knowledge and experience in running a construction project. The third was to inform construction industry, faculty, and students of the personal and professional benefits of supporting student service learning trips as well as ways to support. In this paper, I will address how all three goals were met, as well as all other discoveries through the duration of this project.



## Key Players



## Main Deliverables

<b>Proposal to Advisor and Department Head</b>	• 5/24/17, San Luis Obispo, CA
<b>Construction Management Advisory Council Presentation</b>	• 5/26/17, San Luis Obispo, CA
<b>Funding Part 1: Clay Shoot Tournament</b>	• 9/25/17, Morgan Hill, CA
<b>Funding Part 2: ELECTRI Council Meeting &amp; Presentation</b>	• 1/19/18, Palm Beach, FL
<b>Internal &amp; External Meetings</b>	• Entire Duration, San Luis Obispo, CA
<b>Project Budget</b>	• Entire Duration, San Luis Obispo, CA
<b>Project Schedule</b>	• 2/1/18, San Luis Obispo, CA
<b>Execution</b>	• 5/18/18-5/26/18
<b>Close Out</b>	• 5/27/18-4/30/18