YOUR PROJECT
OUR SOLUTION
An Industry-University Partnership

COLLEGE OF ENGINEERING
Engineering Design Program
YOUR PROJECT + OUR STUDENTS
INNOVATIVE SOLUTIONS TO REAL WORLD PROBLEMS

DEPLOY YOUR TEAM
As an industry partner, you are matched with a team of four to six students selected to meet the needs of your project. Team selection is based on the discipline and skill specifications you set and the interests of our students.

Over the course of the academic year, your team will interact with you on a continuing basis. Projects are structured around the following design phases in order to complete your project on time:

- Requirement Definition/Preliminary Design
- Conceptual Design
- Detailed Design and Analysis
- Implementation and Testing
- Final Report, Working Prototype (if applicable), and Test Results

INTELLECTUAL PROPERTY
Project sponsors retain all intellectual property and may request written agreements to that effect at their discretion.

GET ACCESS TO 400+
SENIORS FROM 11 ENGINEERING DISCIPLINES

Get a fresh perspective from a team of the best and brightest talent in the UA Engineering Design Program. As a project sponsor, you provide an open-ended problem and your student team will take the project through the design process to deliver you, their client, a finished solution. Throughout this two-semester course, your team is mentored by a University of Arizona engineering professional and will meet periodically with your company’s technical liaison to deliver you a quality result.

During our 15 year history as an interdisciplinary program, our students have collaborated on projects from more than 120 distinct sponsors. They have solved problems including re-engineering a vehicle corner assembly for a formula racecar, developing a disposable defibrillator small enough to carry in one hand, designing a UAV for power line surveillance and inspection, and much more.

PARTICIPATING ENGINEERING DISCIPLINES:
- BIOMEDICAL
- BIOSYSTEMS
- COMPUTER
- ELECTRICAL
- ENGINEERING MANAGEMENT
- ENVIRONMENTAL
- INDUSTRIAL
- MATERIALS
- MECHANICAL
- OPTICAL
- SYSTEMS
THE SPONSORED DESIGN PROJECTS OVER AN ACADEMIC YEAR.

Each team is mentored by a professional engineer with years of industry experience. Teams meet weekly with a professional mentor, and periodically with their sponsor mentor.

Each team has required periodic design reviews and documents their work in an engineering notebook. Your team of four to six interdisciplinary engineering seniors will provide their sponsors with:

**CONTACT: PROF. ARA ARABYAN, DIRECTOR ENGINEERING DESIGN PROGRAM**

(520) 621-2116 | ARABYAN@EMAIL.ARIZONA.EDU

**PARTNER WITH US AND BECOME A SPONSOR TODAY**

**THREE PATHS TO SPONSORSHIP**

1. **SPONSOR A DESIGN TEAM ($10K)**
   As a sponsor your company will provide:
   - A challenging, open-ended design project.
   - A motivated, experienced technical mentor who:
     1. Is engaged in your specific project and can partner with a team of young engineers as their “client”.
     2. Will meet with the team for an on-campus design review at least once each semester. (Remote sponsors may video conference)
     3. Will meet or teleconference with the team on the progress of the project on a regular basis.
   - You have the option of providing additional cash or in-kind funding for the direct cost portion of their projects with the approval of the program director or coordinator.

2. **SUPPORT THE ENGINEERING DESIGN PROGRAM ($1K+)**
   The Engineering Design Program culminates on Design Day every May. This is the forum for our students to showcase their capstone projects to industry judges and the public, and to compete for top grades and prizes. Your contribution can be a one-time or continuing gift used to fund Design Day and offset the general expenses of the program.

3. **SPONSOR CORPORATE PRIZES ($500-$2K)**
   Support our students through sponsorship of established Design Day prizes or establish your own to recognize excellence in the areas of your choice.

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"THE SUCCESS COMES FROM YEARS OF CONTINUOUS IMPROVEMENT IN THE ENGINEERING EDUCATION AT THE UA," Tucson Electric Power mentor Christopher Lynn says of a prototype drone to inspect power lines.

"THEY’LL BECOME EXCELLENT ENGINEERS," says Hydronalix CEO and University of Arizona Engineering alumni Tony Mulligan of the hard working students adding capabilities to his life-saving robotic sea rescue buoy.

SUMMER GARLAND OFFERED FULL TIME POSITION BY HER PROJECT SPONSOR, XERIDIEM. In addition to her new-hire position, Summer and her team members were included as inventors on the three patent applications submitted for their project, an instrument that provides instant feedback on feeding tube placement.

LEARN MORE ABOUT THE UNIVERSITY OF ARIZONA ENGINEERING DESIGN PROGRAM >> engineeringclinic.arizona.edu

INDUSTRY SPONSORS 2010-2017
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