

# Thank You to Our Sponsors!



American Society of  
Agricultural and Biological Engineers

**GOLD  
LEVEL**



**SILVER  
LEVEL**

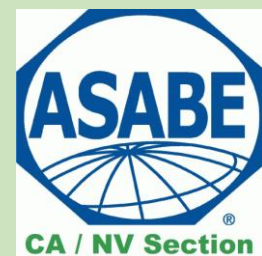
**LITTLE SISTER  
ORCHARDS**



**BRONZE  
LEVEL**



**IN KIND**





American Society of  
Agricultural and Biological Engineers

<https://www.asabe.org/>

## ASABE Overview

The American Society of Agricultural and Biological Engineers is an educational and scientific organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems. Founded in 1907 and headquartered in St. Joseph, Michigan, ASABE comprises members in more than 100 countries. Agricultural, food, and biological engineers develop efficient and environmentally sensitive methods of producing food, fiber, timber, and renewable energy sources for an ever-increasing world population. The image above provides a profile of ASABE's membership and their contributions to society. ASABE membership is open to all—engineers as well as non-engineers—who are interested in engineering and technology for agricultural, food, and biological systems.

## Why Join ASABE?

When you join ASABE, you join more than 8,000 members representing over 100 countries who depend on ASABE for the latest news and information, professional development, networking and resources that augment your professional experience. Your ASABE membership will enhance your career by connecting you to a global community of like-minded individuals striving to make a positive impact on food, water, energy and the environment. ASABE keeps you abreast of emerging technologies, important trends, standards, accreditation and advances in a wide variety of technical interest areas.

## Dues

\$25 for undergraduate students/pre-professionals

\$40 for graduate students

[Join ASABE Today!](#)



<https://www.asabecanv.org/>



<http://www.agindustrialmanufacturing.com/>

[A.I.M. \(Ag Industrial Manufacturing Inc.\)](#) was formed in December 1979. The Corporation was originally formed for custom grape harvesting. After several years we weren't able to find a commercially manufactured grape harvester that would hold together and work properly, so we built our own. Paul Burkner, Charles Burkner and Claude Brown were the founding stockholders of the Corporation.

In December 1980, we teamed with FMC to develop a new concept of grape harvester and grape picking head. FMC faded from the grape business in 1983. Aim went on to develop the current version for the Force Balance Grape Shaker Head and our new GH9000 harvester in 1989.

Over the years, in addition to grape harvester, Aim has developed and built: Radish harvesters, chrysanthemum flower harvesters, coffee harvesters, guayule harvesters, patchouli harvesters, dichondra seed harvesters, tomato vine diverters, vineyard pre-pruners, vineyard vine trimmers, vineyard brush rakes, grape gondolas, tractor saddle tanks, chemical applicators, twin bin picking trailers, hydraulic pruning shears, movable highway barrier mover, steam leaf removal machine and many pieces of custom equipment; some of which are confidential and not disclosable to the public.

AIM also is a supplier of parts to the Mining Industry. Aim manufactures parts for slurry/ flow control valves, flotation units, and hydro-cyclone parts.

Aim is a manufacturer of tooling for the rubber, plastic and polyurethane industry. (molds and fixtures)

Aim continues to design and develop new products for our customers;



<https://www.topconpositioning.com/>

## The world has a long to-do list

With 9 billion people expected on the planet by 2030, there's a lot of work to be done. We'll need more housing, roads and utilities, not to mention more food for the extra tables. Topcon is driven to help you meet these demands with innovative solutions that help you work smarter and faster to create sustainable infrastructure and agriculture.

## Your Topcon Team

Our mission is simple - to help grow your business. Sure, that helps us grow ours, and together we can help ensure that a growing world is a healthy world. That's the Topcon vision and why more than 2,000 employees worldwide are dedicated to creating the technologies and bringing you the solutions to drive your success.

From our scientists in our state-of-the-art research labs to our solutions developers dedicated to understanding the challenges you face, we're focused on helping your business grow in efficiency and strength.

## Impossible? MAYBE BEFORE TOPCON

Topcon is dedicated to finding new ways to enable breakthroughs in productivity. We create and embrace disruptive technologies in order to keep your business on a steady path to future growth.

### Solutions you can trust, designed for you

Our goal is to understand your business as well as you do.  
Every product we create is developed with your specific needs in mind.



#### Quality Assured

All products must pass Topcon's rigorous testing before they're launched. We field-, dust- and storm-proof every unit.



#### Easy to Use

We understand you want to be up and running fast. That's why each Topcon product is designed for use right out of the box.



#### Reliable

We know you have no time for downtime. Topcon tools keep going and going even in the most challenging of settings.



#### Works With Your Stuff

Topcon tools work with any machinery - you're not locked in to any vendor, even for positioning tools.



#### Customizable

Topcon products are configurable and based on open source platforms so you can tailor them to your exact needs.



#### Accurate

Topcon products are engineered for accuracy. So you'll get it right the first time - every time.



<https://www.linkedin.com/company/jg-boswell-company/>

### **About the Company (from [Indeed.com](#))**

Founded in 1927, the J.G. Boswell Company is a privately held corporation that is engaged in agriculture and real estate. While the firm is headquartered in Pasadena, California, the center of agriculture is located in Corcoran, California. The following briefly describes the "California Operations" of the J.G. Boswell Company. The company is also involved in real estate and the cattle industry, and has operations in Australia.

#### **Ranching Division**

The J.G. Boswell Company has two ranches in the San Joaquin Valley. The ranches are located near Corcoran and Bakersfield, California. While the primary crops are cotton and tomatoes, and alfalfa hay, the ranches grow rotation crops of wheat, seed alfalfa, and safflower. Each ranch is equipped with its own repair facility. Each location has an administrative and management team.

#### **Processing Division**

The Boswell Company, in addition to growing crops, processes many of its commodities. In addition to ginning its own Pima cotton, the company crushes its cottonseed and safflower into by-products of oil, meal and hulls, which are feed and food ingredients. The Boswell Company produces seed that has been cleaned and treated for planting.

The Company owns two tomato processing plants located in Buttonwillow, CA and Corcoran, CA, that process field-run tomatoes into tomato paste.



<https://www.bennett-environmental.com/>

### **About Bennett Environmental**

We are in an environment of increasing water scarcity and expanding regulations on the quality of air and groundwater. Concerns include reducing BOD, TSS, nitrogen and salts in water as well as greenhouse gas emissions. Dairies, as well as food and wine processing companies work with us when they are growing their business and are looking to become more sustainable and compliant while managing their supply and cost of water and energy. Bennett Environmental has an exclusive toolbox of super-innovative, nature-inspired technologies that enable companies to treat wastewater quickly, recycle water in their business to increase yields and profits, obtain grants and favorable status in their communities and to create renewable energy for use or sale. Bennett is a unique resource because our parent company and engineers have been conserving water in CA for almost 90 years with these same businesses. We are the only company applying holistic solutions for these multiple environmental impacts and for the first time, can implement pilots and solutions that are low maintenance and cost neutral or decidedly profitable.

### **Today's Dairies and Food Processors Face These Challenges**

- Compliance is Costly
- Untapped or Scarce Resources
- Space and Land Optimization
- Utilities are Expensive

### **Bennett Environmental specializes in:**

- Turning Wastewater Liabilities into Sustainable Assets
- Moving Businesses to Sustainability
- A Toolbox of Solutions
- Solutions that are Proven



[www.bluerivertechnology.com](http://www.bluerivertechnology.com)

Herbicide resistance in weeds is a worsening threat. Blue River's solution starts by revolutionizing weed control in a world of herbicide resistance. With the rise of herbicide-tolerant weeds, there are fewer and fewer effective solutions and farmers around the world need a new way to address the weed control challenge.

Blue River is building smart farm machines to manage crops at a plant-level. Today, the best practice is to treat all plants as if they have the same needs. Blue River's See & Spray Technology changes this paradigm, empowering growers to make every individual plant count at scale. Using computer vision and artificial intelligence, our smart machines can detect, identify, and make management decisions about every single plant in the field. Our smart machines give farmers a new way to control and prevent herbicide-resistant weeds, while also eliminating 90% of the herbicide volumes that growers spray today.

Crop protection is just the beginning. With the support of John Deere, Blue River is continuing to expand and explore a plethora of innovative new developments to support and empower those linked to the land.



<http://www.bosqueengineering.com/>

Water • Wastewater • Agriculture

### **Principals:**

#### Peter Livingston, PE

- Water Engineering
- Wastewater Engineering
- Agricultural Engineering
- Environmental Analysis (SA, EIS)

#### Ed Geiser, PE

- Over 45 Years' Experience
- Water Engineering
- Wastewater Engineering
- Reclaimed Water Engineering

### **Services Provided:**

- Aquifer Protection Permits for ADEQ
- Subdivision Analysis and memorandum for subdivision clearance
- Design Memorandum
- Section 208 compliance documentation for ADEQ
- Preparation of Individual APP
- Construction ready drawings
- O&M Manual preparation





<https://www.calsafesoil.com/>

### **Our Mission**

“To greatly improve our air, water, and soil environments employing safe, efficient, and effective solutions that meet the needs of our customers.” CSS provides unique full-cycle processes that assist our supermarket and agricultural customers recycle their organics, improve hygiene, and reduce costs, while creating high-quality sustainable fertilizer-, feed-, and fuel-bioproducts for today’s economy.

### **CSS Proprietary Processing Technology**

CSS is a leader in sustainable food recovery technology and is commercializing its breakthrough Harvest to Harvest™ technology to recover food from supermarkets and other sources to produce proprietary fertilizer and pet food ingredient products. CSS preserves the “cold chain” to recover food before it becomes waste and upcycles food for beneficial and productive use. CSS’s technology reduces greenhouse gas emissions, provides nutritious, healthy pet food ingredients, and improves the sustainability of the global food supply system.

### **Focused on Crop Nutrition Products and Pet-Food Ingredients**

In addition to an established and expanding line of crop nutrition products for organic and conventional agriculture, CSS is excited to diversify into animal and pet nutrition products. CSS has partnered with Kemin Nutrisurance, the pet food and rendering technologies business unit of Kemin Industries, to develop and manufacture products that can be used for both palatants and ingredients in the pet food industry.



<https://condorearth.com/>

### **Welcome to Condor Earth**

Condor Earth is a diversified, multidisciplinary organization providing a variety of Earth and Environmental Sciences, Engineering, Chemical Risk Management, GIS, Construction Management, and Construction Materials Testing, and Special Inspection Services to private and public sector clients. At our core, we believe that innovation, creativity, and integrity are the keys to success.

### **MISSION STATEMENT**

“To provide high-quality, professional services for value-enhanced resource management and infrastructure development.”

### **TESTIMONIALS**

“The best environmental group in the Central Valley is Condor Earth Technologies. I've included Robert ``Bob`` Job on this email for your reference. They represent many of ARC's customers, as well as jurisdictions/municipalities. Simply, they are large enough to handle complex matters should a Phase I turn into something bigger, yet small enough to know your name and attain the most reasonable outcome. Well respected in our industry.”

“Condor provides excellent service and quality of work.”

“Service is excellent!”

“Condor is always just a phone call away! We appreciate that Condor can accommodate our needs and work within our time frames.”

“Had a wonderful experience, worked well with everyone involved with the project.”

[VIEW OUR SERVICES](#)



<https://www.g3enterprises.com/>

**Packaging, Bottling & Logistics—The Generation of Experience**  
**G3 Enterprises is an industry leader in packaging and logistics**

### **Our Mission**

We provide creative, integrated solutions for our beverage and ag industry partners with quality packaging products and supply chain services.

### **Our Purpose**

With proven experience and surprising breadth, we earn your trust.

We exist for you to succeed.

### **Our Values**

- Teamwork
- Agility
- Value Creation
- Trustworthiness
- Customer Focus
- Specialty Beverages & Food

**Our Core Business**—G3 serves a broad range of customers in the Beverage and Agriculture industries, including:

- Wines & Spirits
- Beer
- Cider, Cold Brew Coffee, & Kombucha



<https://brae.calpoly.edu/>

## Programs

Undergraduate  
Majors

Undergraduate  
Minors

M.S. Graduate  
Programs

<u>Agricultural Systems Mgmt (ASM)</u>	<u>Geographic Information Systems (GIS)</u>	<u>M.S. Water Engineering</u>
<u>BioResource &amp; Agricultural Engr. (BRAE)</u>	<u>Water Science</u>	<u>M.S. Agriculture, Specialization in Irrigation</u>
		<u>M.S. Ag., Spec. in Ag Engineering Technology</u>

The BRAE Department's BioResource and Agricultural Engineering (BRAE) major offers answers for students who want to be problem solvers. Today's high-tech agricultural industries are looking for graduates who can engineer solutions to the problems of resources and systems as well as for those who can manage advanced technologies.

With the Agricultural Systems Management (ASM) major, students combine hands-on experience in agricultural technology with practical training in the business and management aspects of agriculture within a curriculum that is recognized by the American Society of Agricultural and Biological Engineering. In addition to the hands-on courses in the department, students may take enough business and management classes to earn a minor in Agribusiness.

Choose a link to learn more about the Cal Poly BRAE department:

- [Information for prospective students](#)
- [Specialties of BioResource and Agricultural Engineers](#)
- [Department, university, and advising forms](#)
- [Department standards and guidelines](#)
- [Current Cal Poly Catalog](#)
- [Requirements for MS applicants whose Bachelor's degree is not in engineering](#)
- [Description of paperwork and other requirements for the BRAE MS in Agriculture](#)
- [Description of paperwork and other requirements for the BRAE MS in Engineering](#)