

A Flock o' Ducks**School:** New Mexico State University**Members:** Chanel L. Francois, Vanol F. Francois**Mentor:** Dr. Edward Pines

Description: It is our mission to provide the most user friendly layout generator tool for use with MySpace and like social networking technologies to fully meet the needs of our users while generating profit through advertising dollars and donations. A Flock o' Ducks plans to provide a website with a fun atmosphere unlike the cumbersome sites of our competitors that many often find frustrating and too complicated for the majority to gain full usage of their sites capabilities. Our goal is to provide a tool that users of MySpace and similar social networking sites can use to personalize their pages through ultra simplistic, intuitive graphical user interfaces (GUI's).

Biochihuagas / The Eagles**School:** Universidad Autónoma de Chihuahua**Members:** Ana K. Davila, Karla Espinoza, Rita A. Muciño, Crystal M. Paredes**Mentor:** Dr. Jesus Robles Villa

Description: "BIOGAS DE CHIHUAHUA" is a company involved in biogas production from waste organic materials, which are made available for free in the main communities of the state. It utilizes state-of-the-art technology for gas generation which is supported by leading international companies.

Comercializadora Reny S.A. de C.V. / Gold Eagles**School:** The Universidad Autónoma de Chihuahua**Members:** Sofia M. Borunda, Patricia S. del Castillo, Cesar R. Escobar, Mariana Palma**Mentor:** Jesus Robles Villa

Description: The mission of Comercializadora Reny S.A. de C.V. is to interlink producers, national businesses, the international markets and foreign trade related government offices. We consolidate unilateral negotiations for the international market, and provide support for logistics and other technologies for improving marketing standards, productive processes, quality and customer service and export-import paperwork, to access available resource synergies and create a win-win environment for all those involved.

Complejo Departamental

School: Universidad Autónoma de Cd. Juárez

Members: Fabiola Palma, Rosa I. Ochoa, Israel Olvera

Mentor: Dr. José Mireles

Description: In the last few years, the Mexican border region has faced an important population growth due to the increase of local jobs availability. Most of the people that migrate to the border looking for a better quality of life arrive at border cities and find that the availability of living places is limited. This situation was the catalyst for Complejo Departamental. We will buy land and construct low cost housing rental units. Our target market is focused on maquiladora workers.

D - Mint

School: Universidad TecMilenio, Campus Cd. Juárez

Members: Diana Baylon, Sandra Mendoza

Mentor: Dr. Pavel Chavez

Description: To manufacture and distribute mentholated water to refresh breath, to benefit people with its multiple and relaxing properties, and to be committed to maintain a consistent level of high quality health conscious product. D-Mint is a water based drink with mint. It has no coloring, no sugar, no calories, and it brings an immediate sensation of freshness and flavor. It also helps keep breath fresh, helps clean the kidneys, eliminates gas, and it is a natural decongestant.

Eco-Oil Unlimited

School: The University of Texas at El Paso

Members: Karla Alonzo, James Leathers, Daniel Miranda, Marisol Romero

Mentor: Dr. Russ Chianelli

Description: Eco-Oil Uld. extracts lipids (algae oil) from algae, using an innovative patent pending SONLIP process. Algae oil poses great potential for being processed into various high valued products such as biofuels, biolubricants, and nutraceuticals. Additionally, Eco-Oil Uld. pledges to create a greener earth by exploring the unlimited usages of environmentally friendly algae products at competitive prices. The competitive advantage lies in the intellectual property of the SONLIP, a two step process which extracts the lipid oil from algae at a lower price than other algae competitors.

Grupo Empresarial GRISOL

School: Tecnológico de Monterrey, Campus Chihuahua

Members: Griselda Casas, Marisol Contreras, Ulises Perez

Mentor: Dr. Antonio Rios Ramirez

Description: The mission of Grupo Empresarial GRISOL is to offer high quality & natural products made in Chihuahua, contributing to the development of society by providing new options to supplement the food of the Mexican diet. Grupo Empresarial GRISOL promotes the consumption of Tofu, a product with excellent nutritional properties which has been designated as the “Aliment of the future” or “The Perfect Aliment”. The Tofu is a high-quality protein that does not contain saturated fats, lowers cholesterol and contains natural phytochemicals among other properties.

Integrated Algal Products, Inc.

School: University of New Mexico

Members: Brett Andrzejewski, Antonio Gandara-Martinez, Leila Potts, Bobban Subhadra

Mentor: Dr. Sul Kassicieh

Description: Integrated Algal, Inc. exists to produce the highest quality products available. We value ethical business principles, transparency in management, strong commitment to customers, and collaborative efforts with others desiring sustainability. Integrated Algal Inc. is a local producer of biofuel, omega oil, and animal feed products. IA Inc serves both the business and government market. IA Inc will succeed in developing a profitable business through use of their four competitive advantages, quality, reliability, price, and varied product mix.

MicroHound

School: University of New Mexico

Members: Ryan Olcott, J.B. Tuttle, Robert Virden

Mentor: Dr. Sul Kassicieh

Description: Sandia National Laboratories developed the MicroHound™, a fast, handheld system for the trace detection of explosives. This lightweight (about 12 pounds) system can detect both explosives vapor and particulate. The development of the MicroHound™ was a quest to combine in a single platform a miniaturized sampling and preconcentration system that can detect nanogram amounts of explosives. The long-term goals of the project are to reduce the size, weight, and cost of a portable trace explosives detection system and use a multi-sensor (such as narcotics) platform to improve functionality.

New Aerospace**School:** The University of Texas at El Paso**Members:** Michael L. Everett**Mentor:** Dr. Frank Hoy

Description: New Aerospace is an engineering design and manufacturing company dedicated to providing cost effective products to the aviation industry that will greatly enhance the safety and flyability of many different airframes. In addition, New Aerospace will provide the technical products required to improve the ground handling characteristics of both manned as well as unmanned air vehicles. The systems invented by New Aerospace are innovative products never before utilized in this application, and as such are patent protected technologies with no existing competition.

PowerMundo**School:** Colorado State University**Members:** Michael Callahan, Jacob Castillo**Mentor:** Ken Petersen

Description: PowerMundo is a Colorado based Limited Liability Company that is headquartered in Fort Collins, CO. PowerMundo exists to connect the two billion people on earth at the base of the economic pyramid (those that live on less than two dollars per day) with a network of sustainable resources and products. PowerMundo fills an important gap in the value chain by providing innovative marketing, wholesale distribution, and micro-franchise opportunities in unserved markets in developing countries. As a result, we improve people's lives, create employment opportunities, and conserve natural resources.

Silver NanoSystems**School:** The University of Texas at El Paso**Members:** Angelina Gandara, Francisca Reyes**Mentor:** Dr. Alberto Correa

Description: The use of antibacterial agents is widespread and can be seen in many products ranging from cosmetics to household cleaners and textile applications. There is a need for a new agent that can be used in antibacterial applications that will be effective against antibiotic resistant bacteria and fungal infections. The biocide activities of silver nanoparticles make it a desirable alternative to the environmentally unfriendly disinfectants and treatments currently available. Silver nanoparticles are very versatile and have become of great interest to the community for their biocide action, they are also inexpensive to manufacture and compatible with many products currently on the market.

