

## 2013-2014 Coastal Bend Business Plan Competition Semi Finalists

1. ARANA Water Technologies, LLC- Water treatment in a chemical-free, reliable, cost-effective manner. ARANA Water Technologies, LLC has the most cost-effective, reliable, and environmentally friendly water treatment technology currently known to exist.
2. KeyLate Solutions LLC-Has improved the technology of disinfection and oxidation by mimicking nature. KeyLate Solutions has advanced disinfection technology by translating what nature does into simple to use liquid formulations.
3. ROA TAMUCC-The product is an electronically powered multi-functional UAV that will be able to deliver high definition video with controllable view angles via a ground station monitor up to one kilometer away.
4. Texas A & M University-Corpus Christi-A device which is capable of using a centrifugal casting process to make parts that will replace parts on an obsolete machine. This is a solution that eliminates long lead times, complex manufacturing processes, and costly tooling-vertical axis centrifugal casting machine capable of manufacturing even the most critical and complex of machinery parts.
5. Ramrod ROVs-The hydraulic underwater ROV provides unlimited value in researching marine life. It provides a long lasting source of information for educational purposes to schools around the coastal bend or anywhere in the world where its uses in studying marine life is need. The ROV would be capable of any type of observing for research and or any type of physical laborious activity underwater with its pneumatically operated gripper.
6. Hybrid Energy Conversion and Storage Company-This project involves the creation of a combined system of three different green energy sources working together and producing a sustainable amount of energy, which is then stored in batteries for later use.
7. RH-TRU Waste Shielded Containers-A proposal to make a container with adequate radiation shielding around a 55 gallon-drum that will reduce the amount of radiation the RH waste gives off, to a level that is comparable to that of CH waste. Increasing shielding around the 55-gallon drum will reduce the amount of entitled radiation to a level at or below 200 mrem/hour to make the waste CH.
8. The Atomic Lawnmower-A design of an autonomous lawnmower systems capable of cutting grass using global position system (GPS) navigation and computer software to run the program. The lawnmower will first be driven manually over the desired area in order to set up a track of

way points, and then for future instances will complete the route automatically with the need of a controller.

9. The AVA Method-The AVA Method was created to facilitate the info event planning process from start to finish. It is the only web-based complete planning application incorporating lead management, proposals, captures e-signatures, invoicing, merchant account, vendor management, document management, employee management, gallery, e-mail, calendar reporting. With the highly secure portal system, clients, vendors and employees can view events and add info but cannot change event planner information.
  
10. Diesel Engine Retrofit Kit-The proposed retrofit kit facilitates the sway of the factory 5.9l-V8 gasoline engine out of a 1980 Jeep Cherokee Chief 4x4 for an OM603.971 Mercedes-Benz 3.5l turbo diesel engine. This retrofit kit does not currently exist in the off-roading market. The retrofit kit allows the consumer to maintain the factor drivetrain components and original performance characteristics while increasing vehicle fuel economy, reducing emissions and increasing dependability.