



Off-grid Aldelano Solar ColdBox™ Provides Water, Power and Cold Storage to Impact Global Infrastructure Problem

Ontario, CA –According to [figures](#) from the UN’s Food and Agriculture Organization (FAO), up to 40% of food produced in the developing world is wasted before it ever reaches the market, resulting in a loss of approximately 1.3 billion tons of food with a value of more than US \$1 trillion. The lion’s share of that waste occurs because of inadequate storage and refrigeration equipment in places that lack reliable infrastructure.

A remarkable innovation has emerged with the capacity to erase those food losses. The American-made [Aldelano Solar ColdBox™](#) is an industrial-grade, portable, solar powered cold storage mini-warehouse that offers not only refrigeration and freezing capacity, but also water, ice production, and a completely renewable auxiliary power source, all by harnessing the power of the sun. Even better news is all this can be done with virtually no operating costs.

Dylan Daniels, JD, MS, CGBP, former policy analyst and international economist with the USDA and current international trade specialist with International Trade Administration believes the Aldelano Solar ColdBox™ will play a vital role in helping those without power, clean water or refrigeration capabilities.

“With this technology, the Aldelano Corporation has made it easier to provide cold chain storage to parts of the world not currently supported by modern day infrastructure or that have suffered from catastrophic natural or manmade disasters. Rural communities in underdeveloped locations will now have a quick solution to effective food storage, allowing for greater amounts of their food to make it to market. Since agriculture is a primary source of livelihood for families in these communities, the Aldelano Solar ColdBox™ will play a critical role in improving their overall standard of living. This is the type of product that makes my job in export assistance rewarding.”

Former NASA and USAF consultant J. Douglas Sterrett PH.D. and current professor of engineering at the University of Tennessee at Martin adds, “As a member of the engineering team for the Aldelano Solar ColdBox™, I have been a part of the project since its inception all the way through the testing phase. The technical challenges were intriguing on a professional level, but the humanitarian aspect excited me the most. The Aldelano Solar ColdBox™ has the potential to impact the quality of life for many, many people.”

Each year, India suffers losses up to £4.4 billion in fruit and vegetables due to the absence of effective refrigeration solutions. Despite being the world’s largest banana producer, it holds just 0.3% of the global banana market. Less than 4% of India’s fresh produce is transported by cold chain, compared to more than 90% in the UK. The Aldelano Solar ColdBox™ provides a solution that can drastically reduce this type of loss.

Equipped with the optional Aldelano Solar WaterMaker™, each Aldelano Solar ColdBox™ can also produce up to 50 gallons of clean, drinkable water per day by extracting moisture from the air. This feature is a true lifesaver. Illnesses caused by unsafe drinking water claim the lives of 1 out of every 5 children under age 5 each year, worldwide. Aldelano’s groundbreaking technology couldn’t be timelier. [UNESCO](#) estimates that by 2025, almost 2 billion people will be living in countries or regions with absolute water scarcity.

The Aldelano Solar ColdBox™ is not just a solution for the developing world. The technology is also an ideal fit for military and mining base camps, hospitals and clinics, relief organizations, warehouses, and the agricultural and

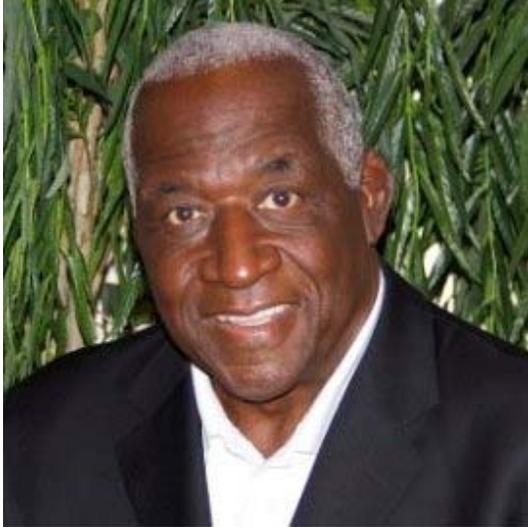
grocery industries. Besides the benefit of drastic savings in operating costs and total flexibility in terms of location, the Aldelano Solar ColdBox™ offers peace of mind. The vulnerability of the U.S. power grid is well-documented. Forward-thinking leaders will see the value in acquiring a solar safety net.

Patent and copyright attorney Frank M. Scutch has had the opportunity to see the Aldelano Solar ColdBox™ first hand. “This is truly a remarkable product that will be able to help disadvantaged people around the world. So much of my job is spent behind a desk, so having the opportunity to personally witness the Solar ColdBox™ in action really impacted me. Clean water from thin air. Cold air in 90+ degrees. This thing really works!”

Aldelano Corporation's specialty is establishing strategic service centers throughout the country for customers who demand low cost, customized, 24/7 packaging and warehousing fulfillment services for their consumer goods, dry and refrigerated products.

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Biography of Alfred D. Hollingsworth *CEO, Aldelano Corporation*



Al Hollingsworth is a business leader, international speaker, minister, author and owner of the Aldelano Corporation. A successful entrepreneur, Hollingsworth's heart is to help others succeed in the visions, dreams, and ideas God gives them.

Hollingsworth received his life's direction in college when a voice spoke to him and said that he would be a successful businessman for God's glory—a revelation that changed his life. After graduation, Hollingsworth was recruited in sales by a paper and packaging company. Soon he was on the way to founding his own packaging company, the [Aldelano Corporation](#). He met his match in Hattie, a bright, eager sales employee who soon became his wife. The

business flourished, but having been swept up in the excitement and demands of running an expanding company, the Hollingsworths did not.

"We were considered successful, wealthy business people, but we were falling apart," Hollingsworth remembers. "I sought God earnestly. He responded, and we entered into a new covenant: You take care of my business, Alfred, and I'll take care of your business." In its nearly fifty year history, the Aldelano Corporation has become a leader in contract packaging, specializing in refrigerated supply chain solutions, with plants that service major and Fortune 500 clients including Kellogg's, Procter & Gamble, Sunny Delight, American Airlines, Toyota, General Mills, Red Bull and Verizon. Aldelano has built a reputation of dependability and trust and has received numerous awards and accolades. Business acknowledgements include NMSDC's Corporate Plus distinction, the Achievement Recognition Award from President Richard Nixon, City of Los Angeles Minority Global Export Firm of the Year, Businessman of the Year and the Award of Excellence from the United States Department of Commerce.

Aldelano Corporation's most recent innovation, the Aldelano Solar ColdBox™, perfectly reflects Al's commitment to serve God's Kingdom through excellence in business. "My travels throughout the world have taken me to nations that are rich in natural resources, yet are poor because they don't have systems in place to preserve their food from harvest to market," Hollingsworth says. "Nations and people throughout the world are poor, hungry, sick and destitute due to their inability to access their own wealth. I asked God what my company could do to change that. The Solar Cold Box is the answer. It was totally a God thing."

Hollingsworth's problem-solving nature guides his approach to both business and ministry. While he served as Economic Development Commissioner for the state of California, he recognized that youth would soon face an economic crisis and wanted to give them an alternative to gangs, drugs, and

hopelessness. In response, the Hollingsworths founded the internationally-acclaimed, Christ-centered *B.O.S.S. The Movement* youth success training curriculum and its adult component, the *Vertical Leap Seminar*. The programs' biblically-based training principles have been embraced throughout the U.S. and around the world in regions such as Japan, Kenya, South Africa, Switzerland, Ghana, Jamaica, Italy, Ukraine, Brazil, Belgium, the Philippines, Indonesia, and the Bahamas. The movement has trained thousands on market place ministry ethics and applications.

Hollingsworth's community and ministry involvements include Board of Directors for both Promise Keepers and Save Africa's Children, Ministry Council Member of Empowered 21 and Azusa Street Centennial, and Weiner Ministries. Hollingsworth also sits on the Board of Regents for Oral Roberts University and has appeared on TBN, CBN, Day Star, and PTL.

Al and Hattie Hollingsworth are also founders of the Alhatti Private Christian Resort, a four-star vacation and retreat facility located in Idyllwild, California, in the mountains above Palm Springs. Situated on the former filming grounds for the *Bonanza* TV series, the Alhatti Christian Resort is a premier retreat, conference, wedding, vacation and event center for Christian churches and families around the world.

The couple currently resides in California. They are proud parents who love spending time with their grandchildren and great-grandchildren.

Q&A with Alfred D. Hollingsworth CEO of Aldelano Corporation

Q: When we think about the factors causing world hunger, the problem seems obvious; there must be a food shortage. Can you explain why this is a misleading assumption?

It's true that simply finding ways to produce more food will not solve the hunger problem. The reason? Experts estimate that 1/3 of the world's current food supply actually goes to waste. At least 40% of that food loss occurs post-harvest, costing developing nations \$310 billion a year. This waste primarily occurs at early stages of the food value chain, often because of limited access to storage and cooling facilities. My travels throughout the world have taken me to nations that are rich in natural resources, yet are poor because they don't have systems in place to preserve their food from harvest to market. Lack of basic infrastructure such as clean water, ice, refrigeration and power keeps developing nations from becoming powerful. Nations and people throughout the world are poor, hungry, sick and destitute due to their inability to access their own wealth.

Q: Tell us about the Aldelano Solar ColdBox™. What makes this product such a unique solution to the problem of world hunger?

This product was conceived to address critical infrastructure needs —refrigeration, power, clean water, and ice. The Aldelano Solar ColdBox™ is an industrial-grade, portable, solar-powered cold storage mini-warehouse. We have taken a proven, trusted cold storage technique—the refrigerated shipping container—and improved it for total off-grid use. In addition to reliable refrigeration and freezing, the Aldelano Solar ColdBox™ provides a completely renewable auxiliary power source and water and ice production utilizing molecules from the air and the power of the sun. Ideal for remote locations and with virtually no operating costs, the Solar Cold Box™ is deliverable virtually anywhere. The 40 ft. unit handles and transports as a standard shipping container. Installation is a breeze. The box is wired and ready to run. Simply set up the solar panels. The box runs directly from solar energy during the day and stored solar energy (batteries) at night with up to 15 hours of battery feed before a back-up gas generator (included on every Solar ColdBox) is needed. Maintenance is equally simplified - clean the solar panels with a water hose and water the batteries once per month using the on-board easy watering system. It's that easy.

Q: As a Christian business and ministry leader, one of your guiding principles has been helping people to make a “vertical leap” by empowering them to solve their problems. How does the Solar ColdBox™ reflect that principle?

For nearly fifty years, I've been in the problem-solving business, finding leaner, more cost-effective ways for major corporations to get their products in the hands of consumers. Through the B.O.S.S. and Vertical Leap ministries, I have also mentored hundreds of youth and adult leaders, helping them to dream bigger and achieve far more for God's Kingdom than they ever thought they could. In that time, I've seen that when you help someone solve a problem, you win favor for the Kingdom. The Aldelano Solar ColdBox™ is a GOD idea, a “with God all things are possible” solution to an impossibly big problem. The time has come to answer the cries of the people, and that takes more than just feeding them, because the lack of food is a symptom of a larger problem—the missing or unreliable infrastructure. We are offering an alternative to the infrastructure - a way to generate power, provide refrigeration and generate safe drinking water almost anywhere, at any time. Vegetables that would normally rot within hours and days can now be preserved for weeks and months. Thanks to the unique auxiliary power feature, the Aldelano Solar ColdBox™ offers an environmentally clean, completely renewable energy solution without the high startup costs of running wires from village to village or maintaining the grid.

We are empowering people and nations who have, until now, been bound by their dependence on failed infrastructure. Our God-given desire is to see the nations rise up and unearth the wealth God has already provided them.

Q: One of the most amazing features available on the Solar ColdBox is the Aldelano Solar WaterMaker™, which generates clean water from thin air. Tell us more about this technology and its potential to save lives.

The devastating effects of poor water quality are well documented. A 2014 study commissioned by the World Health Organization estimates that over 500,000 deaths per year in developing countries are due to diarrheal diseases caused by inadequate water supplies and poor sanitation. Young children are especially vulnerable. Experts say that 1 out of every 5 deaths in children under the age of 5 is caused by water-related illnesses. Again, this goes back to a lack of infrastructure.

The Aldelano Solar WaterMaker™ produces up to 50 gallons of water per day, using only the sun and the air. Even on a cloudless day, moisture is still present in the form of water vapor. The air contains billions of gallons of water. The Aldelano Solar WaterMaker™ is a literal lifesaver, harnessing the water molecules in the air and creating drinkable water. In the time it would take a family to walk to a water supply that is possibly contaminated by disease, the Aldelano Solar WaterMaker™ could produce gallons of water that can be used for drinking, cooking, or farming. The water could also be converted to ice for fishing with the Aldelano Solar IceMaker™.

Q: In addition to its life-saving potential for developing nations, the Aldelano Solar ColdBox™ provides a wealth of benefits for industrialized nations like the U.S. How would the ColdBox be used in these places?

If you were to do a simple internet search on the United States power grid, the results might keep you up at night. Our power grid is far more vulnerable than most people realize. There is always the potential for power failures caused by high usage during heat waves, damage from natural disasters, or even terrorist attacks. In some areas affected by Hurricane Sandy, for example, the power was out for weeks, and people got a taste of what life can be like in the developing world. The Aldelano Solar ColdBox™ provides peace of mind for any company or organization that requires refrigeration—farms, warehouses, grocery stores, hotels, restaurants, hospitals, florists, ...the list goes on. The complete portability of our system makes it an ideal resource for military base camps, mining operations, and disaster relief organizations. The box can be delivered to virtually anywhere in the world in a matter of days. The Aldelano Solar ColdBox™ also provides a convenient, cost-effective solution when overflow storage is needed. Best of all, this can all happen with minimal operating costs - that's a win for everyone.

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Suggested Interview Questions for Alfred D. Hollingsworth *Owner, Aldelano Corporation*

1. When we think about the factors causing world hunger, the problem seems obvious—a food shortage. Can you explain why this is a misleading assumption?
2. Tell us about the Aldelano Solar ColdBox™. What makes this product such a unique solution to the problem of world hunger?
3. As a Christian business and ministry leader, one of your guiding principles has been helping people to make a “vertical leap” by empowering them to solve their problems. How does the Solar ColdBox reflect that principle?
4. One of the most amazing features available on the Solar ColdBox is the Aldelano Solar WaterMaker™, which generates clean water from thin air. Tell us more about this technology and its potential to save lives.
5. The Solar ColdBox is so much more than a refrigerator/freezer. What other features make this technology such an ideal solution for off-the-grid survival?
6. Once the box is set up, how much does it cost to operate? How is the unit maintained?
7. When we shop at the grocery store or order a restaurant meal, most of us give little thought to the process that brought that food from the farm or factory to our table. As a national leader of the product packing industry, tell us about the refrigerated supply chain. As a nation, how dependent are we on refrigeration?
8. In addition to its life-saving potential for developing nations, the Solar ColdBox provides a wealth of benefits for industrialized nations like the U.S. How do you predict the ColdBox will be used in commercial and medical settings?
9. How could relief organizations and the military benefit from using the Solar ColdBox?
10. Where can the Solar ColdBox be delivered? What are some of factors to consider when selecting a site for the Solar ColdBox?
11. As a businessman and Christian minister, you describe yourself as a “Kingdom-preneur,” or a person who takes calculated risks in order to profit God’s Kingdom. What message would you share with Christian business people who may be listening to our program right now?