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Project Green Haiti...

Earthquake Emergency Solar Dome Televillage Initiative





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Photos of Solar Televillage Dome Project



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INTRODUCTION

Project Green Haiti is a roadmap to rebuild Haiti's devastated economy into a green economy in order to create a sustainable future. .

The Earthquake Emergency Solar Dome Televillage Initiative project offers a framework, platform, and tools for the homeless to gain the knowledge they need to direct their economic destiny and improve their lives.

The mission is to create a network of Solar Dome Televillages connected to the Internet and powered with solar energy throughout the country. Our vision is to educate and empower the poor and homeless of the world to gain the knowledge and capabilities that will enable them to create a high standard of living in a global sustainable future.

We are at the end of the Industrial Revolution and the beginning of the Green Technology and Information Revolutions in which renewable energy and digital technology will power and inform a new entrepreneurial Age of Distributed Power -- and Distributed Empowerment.

REINVENTING VILLAGES

The Mission: Empowering the Global Solar Televillages

Individuals and institutions everywhere are engaged by the threat of global terrorism, world poverty, and the growing "digital divide" between rich and poor nations. But what are we doing about these problems? Our response: Empower the poor, in villages and urban centers throughout the developing world, to wage their own war on poverty, powerlessness, and despair -- and thereby their own war on poverty, by going after these roots causes. We have the means to materially assist the desperate and destitute of the developing countries to vanquish these ills. It's time to put these means to work, for the good of the poor and rich nations alike!

The Green Technology Institute, Inc. (GTI) and Inter Shelter, Inc. (ISI) will provide villagers in the developing countries a solar-powered, standalone cyber-infrastructure, a turnkey Solar Dome Televillage package that contains the most relevant digital tools, greentech, and training to create sustainable local wealth. Wiring their space and keeping it in place will make a positive difference in the lives of many people in the developing world. The improvement in the lives of poorer people will help people everywhere to understand each other and their conditions of life better, and to coexist



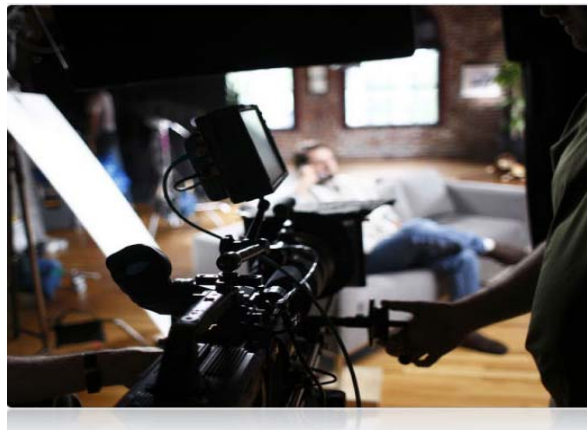
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of the solar televillages and their activities: material modular components and technology (dome components, solar photovoltaic panels or thin-film materials, solar-thermal clean water technology, electronic books, i.e. Kindle, etc.) and non-material constituents of the Televillage enterprise (e-commerce capabilities, distance learning software and remote instructors, a network of NGO participants, sources of funding for the continued development of in-country Solar Televillages, developed-world customers, etc.).

GTI and ISI propose a global flagship center that will develop and demonstrate online distance learning materials, Internet services, telemedicine and healthcare programs, and similar offerings that will incubate entrepreneurial skills in the setting of a traditional village, creating the capacity to export value, products, and culture through electronic commerce to global markets.



Internet webcast studio for online learning, telemedicine, ecommerce

The Results: Building a Virtual Trading Route in the 21st Century

This Solar Televillage enterprise, with its earned pride and enhanced quality of life, will self-sustain village communities in regions where it is established, giving both hope and pride to the people living there. We are helping to build a new 21st-century model "intelligent village" that can fully utilize its human capital through its Internet capability, to both absorb and create value in the rapidly-manifesting knowledge-based society.

The final goals are to improve the quality of life through education, life skills training, healthcare services, and child development programs that are tuned to each country's unique cultural environment while effectively interfacing with the outside world.

Villages have been all but destroyed and undermined in many developing countries. The ongoing massive migration of rural people to the urban centers greatly exacerbates



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the chaos, dislocation, crime, and pollution in these seething centers of population.

We are convinced that ground-up efforts like the Solar Televillage will be needed in many parts of the developing world where poor people are suffering unsustainable (and unfathomable) hardship. We can make improvements and help create conditions that improve their lives and ability to live peacefully together.

The financial result will be the development of a comprehensive online trading network of goods and services that will be conducted in and through these Solar Dome Televillages. The new World Network of Solar Dome Televillages will build the 'virtual trading route' of the 21st Century to increase commerce between the world's peoples and its North and South, East and West -- and to create a new Global Prosperity with Sustainability.

THE SOLAR DOME TELEVILLAGE: SOLAR-POWERED AND INTERNET-EMPOWERED

(A) SOFTWARE

A Community Software Center will be a key component of each Solar Dome Televillage. The Community Software Center will:

1. Provide Life Skills Education (Literacy, Numeracy, and Healthcare)
2. Provide Vocational Skills (Light Industrial, Agricultural, Entrepreneurial Skills)
3. Develop Local Services (Governance, Management, Postal and Electronic Communications, including Village Radio, Internet TV webcasting, and School Education)
4. Develop E-Commerce (Computation, Networking, Graphic and Web Design)

(B) THE INTERNET

The Internet is the critical enabling technology, enabling the successful provision to the villagers of the four capabilities above, and provides their connectivity to the 21st Century.

(C) THE HARDWARE

The physical parts of the Solar Televillage are:

1. Solar-photovoltaic (PV) panels and materials and solar-thermal devices to power the Televillage,



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2. Prefabricated modular domes to house community services, and where necessary people,
3. Solar PV-powered irrigation system and solar-pasteurization clean water services,
4. Agro-industrial food processing center,
5. Community solar kitchen,
6. Online telemedicine center,
7. Education and training center using electronic books (Kindle)
8. E-commerce development center,
9. Solar-heated bathing and laundering facilities (in some locations),
10. Specialized infrastructure, such as farming equipment, as required.
11. Internet TV webcasting equipment



Photos of kitchen and bedroom

PLANNING AND IMPLEMENTATION

We are in the process of implementing the initial Televillages by bringing together a world-class team of mechanical engineers, solar experts, educational software providers and computer practitioners, and healthcare specialists. Several prominent natives of the developing countries identified for the first Solar Televillages resident in the United States are on the Televillage team.

This Planning Team has been working together for over a year, and we are now ready to launch the first phase of the operation.

IMPLEMENTATION: SHORT-TERM

The Green Technology Institute, Inc. (GTI) and InterShelter, Inc. (ISI) propose to develop a national network of Solar Dome Televillages to address the homelessness



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and unemployment crisis in Haiti. The Televillage will be an important education and training center purposed with developing a 'green collar' workforce to rebuild Haiti into a green economy..

IMPLEMENTATION: MID-TERM

GTI and ISI propose to start with the installation of a model Solar Dome Televillage Project in Haiti as part of America's strategy to win the loyalty of the Haitian people through education and the prospect of the real power, especially for the youth, to control their own economic destinies. A thousand Solar Televillages could be deployed instantly in rural villages throughout the vast country that is equipped with solar power, computers with satellite Internet connections, and electronic books (such as Amazon's Kindle) that can be downloaded in minutes.

A War on Ignorance and Poverty to combat terrorism will empower villagers to establish a solid foundation to develop a democratic society and to create a sustainable future. In the Digital Internet Age and with solar power, these remote villages can be connected to the global village network to conduct e-commerce, telebanking, distance learning, telemedicine, etc. One does not have to be in downtown Port-au-Prince to do international trade; she could be in one of the remote solar televillages.

IMPLEMENTATION: LONG-TERM

GTI and ISI will be engaging local in-country engineers and media professionals to help us construct the Solar Televillages in the host countries as the role of these professionals in the design of the Televillages will be critical for their success in those settings. It is expected that the skills and technology transfer that go with the construction of the Televillages will empower local consortia of companies in each country to assume responsibility for the large-scale implementation of the Televillage concept.

PROCURING ELEMENTS OF THE PROJECT

(A) COMMUNITY SOFTWARE CENTER

The Solar Televillage project will provide:

- Education: freedom from ignorance. We envisage a complete range of digital media products developed both externally and in-country, as we believe that local production preserves all the important aspects of our educational mission while adding



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unique locally-relevant offerings. This means that there will be the opportunity to develop software for online use in the Televillages so as to provide electronic distance-learning that reduces the digital divide.

- Life-Skills Training, 'learning how to learn,' learning how to work in teams, sharpening personal development, enhancing the interpersonal dynamics of families and communities, are critical items.
- Information: freedom to exchange and disseminate ideas. At a time that sees the world becoming an increasingly difficult and dangerous place, the exchange of ideas of many kinds on many topics, becomes as precious and important as the formal education that we will undertake. Here too, we see opportunities for local involvement and production.
- Language Training: in all major world languages. We have the opportunity to spread English and the other major languages using digital products that we will either adapt or originate. The products will utilize networks for electronic distribution of materials, coupled with rich media on VCD and DVD formats.
- Early Childhood Development with help from multicultural specialists. We will also contact development agencies in the USA/Europe/Asia and affiliated with the United Nations and its agencies to secure educational media materials.
- Quality of Life: special emphasis on culturally sensitive balanced diets and correct nutrition, sanitation, and food crisis policies. Our media will inform and educate on the basic practices of healthy living and on ways to reduce infant mortality rates. We will work with experts to assist healthcare practitioners and patients.

(B) CONNECTIVITY

The growth of the Internet in the rural developing world will determine the ultimate reach of the Televillage. It is expected that the urban centers in the developing nations will be the first to be 'wired,' and that outlying areas will follow.

The country will benefit from advances in Internet technology, such as wireless and satellite options to connect all parts of the country.

These advances and their usefulness to the local Internet learning environment will be researched and developed by the Planning Team. Their findings on Internet capacity and most useful applications will be incorporated into the long-term planning of the Televillage project.



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(C) HARDWARE

There are several physical elements required for the Televillage concept. These have been researched, developed, and utilized in successful projects in developing countries.



Photos of a Solar Energy Park with lithium ion battery storage

- Solar power will provide energy for the Televillage through the use of customized solar-PV panels. These will be matched to the power requirements and range of needs of each environment.
- Prefabricated modular domes that have been successfully tested and installed will house the Community Software Center and other Televillage functions. These domes can be set up very quickly -- within two weeks if necessary. These structures will be custom-designed for each environment. They can house people as well.
- Clean water, the most critical resource for better and healthier living in the developing world, will be provided through an installed clean water center that uses a solar-powered water- and milk-pasteurization process to make these fluids clean and safe to drink for all. Solar power will also be used to power an irrigation system to cultivate cash crops. In this way the farming and agricultural potential of the Televillage will be primed for efficient production.
- Greenhouse Fish and Vegetable Farm. Portable greenhouses will grow fish and vegetables, which will allow the export of produce to other regions of the country and externally.



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Photos of the layout of the Portable Farm greenhouse, growing trays and tilapia catch of the day.

- Community solar cooking. Solar cookers will be installed that will simultaneously relieve villagers -- almost always women and children -- of the burden of firewood collection for cooking (and will relieve the forests the defoliation firewood-collection causes) and will reduce tedious food preparation tasks while promoting increased social interaction in the community. The reduced-labor preparation of certain meals as a community activity can increase the pleasures of sociability while offering the most culinary skilled members of the community an opportunity to offer other community members the most palatable foods possible under local conditions.
- Community solar-heated bathing. Solar-thermal technology -- such as solar evacuated tubes -- could enable a Solar Televillage to offer local-area residents the relative luxury of solar-heated bathing in hot showers or possibly (gender-segregated) public baths.

Perhaps even solar-heated hot tubs, in the Televillages, have a future in the rural developing world; why should this luxury be limited to the advantaged folks of the developed nations?

- Computers. Educational services, essential healthcare services, and e-commerce development services will be housed within the Community Software Center, which will require computers and servers for Internet connectivity and storage of software, data files, and personal accounts. This Community Software Center is the brains of the intelligent Televillage concept; through the Internet the 'nervous system' of the village reaches out and extends into the global village. In this way the Televillage will make people in the rural regions of the developing world a part of the digital trading economy of the 21st Century.

As well as these basic hardware elements, there will be additional infrastructure -- such as farming equipment that allows mechanized large-scale farming to take place where the land is suitable and available for cultivation.



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EMPOWERING THE PEOPLE

One particularly relevant online training to be provided at the Televillage facility will develop participation by the Televillagers in micro-lending enterprises. This lending service, pioneered by the Grameen Bank in Bangladesh, creates opportunities for small payable loans that give people a future. These lending services will be computerized from the outset, making them as efficient as possible and extending their reach to the whole community and eventually the entire local region.

The emphasis will be to develop local production in the Televillage that is sustained by making its way to the global marketplace through the Internet.

The customers for the Televillage enterprise will most likely be found in expatriate communities outside the developing nations in the first instance, and this receptive marketplace will ensure that goods produced and artistic and intellectual property are exported and sold overseas. The work of the Televillage will not be done in a vacuum.

As the reputation, the quality, and the quantity of the exports -- both goods and intellectual property -- of the Televillages grow and improve the extended enterprise that is being created, the Solar Televillages will bring increasing wealth and prosperity, along with increased environmental sustainability, to these communities.

NEXT STEPS FOR THE TELEVILLAGE PROJECT

Phase 1 of the Televillage project is to set up a model Solar Televillage in Haiti, and to establish a Virtual Green Technology Campus, to provide content and instructors for the distance education offered in the Televillages. This turnkey solution will be tested, continuously improved through monitoring the results, and fully developed for release. The project will continue until all the communities in the country reachable by the project enjoy these community, family, and individual benefits in education, health, and commerce-developing services. Significant and measurable improvements in the quality of life in each participating nation are the central objective of this project.



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Les Hamasaki is the founder and COO of Green Technology Institute, Inc. (GTI), a non-profit public benefit organization established by the Tom Bradley Legacy Foundation, Inc. GTI is a sustainable planning and development company specializing in establishing Greentech Centers for Excellence on school campuses and in communities to facilitate the transition from the Gray Economy built on fossil fuel to a Green Economy powered with renewable resources to create a sustainable future. GTI launched a Global Solar Televillage Dome Project Initiative to combat poverty and terrorism.

He is also the Executive Director for the Green Institute for Village Empowerment, Inc. (GIVE) whose mission is to educate and empower the next generation of leaders to create a sustainable global future. GIVE launched the Green Valley Initiative whose mission is to establish the Inland Empire as the global green technology (GT) and Internet technology (IT) center to combat climate change and to create a jobs housing balance.

Mr. Hamasaki was President and founded SUN Utility Network, Inc. a green micro utility company specializing in solar thermal absorption air conditioning, solar domestic hot water, and solar photovoltaic installations from 1992 to 2005. SUN pioneered the solar absorption air conditioning, solar medical autoclave, solar coffee dehydrator, and solar desalination systems. SUN initiated the Green Commuter electric bicycle project in the City of Palm Springs.

Mr. Hamasaki is a professional community and urban development planner, and was involved with two 20-year plans (1975-95 and 1995-2015) for the City of Los Angeles, the second largest city in the United States.

Hamasaki served as a City of Los Angeles Planning Commissioner and Airport Commissioner. He served on many community boards, including the Tom Bradley Legacy Foundation, the Dashew International Student Center at UCLA, the Japanese American Community and Cultural Center, the Uganda Investment Authority West Coast Office, and the Peru-California Partnership Council. He attended UCLA and has a degree in Environmental Design from Cal Poly Pomona in Pomona, California.

Capt. Don Kubley is the founder InterShelter, Inc. Capt. Kubley comes from a 6 generation Pioneer Alaskan Family. A graduate of Gonzaga University where I spent my junior year in Florence, Italy. Served as Chief of Staff and Legislative Liaison to The Lt. Governor of Alaska. Was appointed as Director of the Office of Regulatory Reform by The Governor of Alaska. Was honored to receive a citation from The Alaska State Legislature, in 1998, being recognized as "An Ambassador of The Alaskan Lifestyle".

He has represented many municipalities, resource corporations, maritime industry and organizations interests, in Alaska's capitol and DC as a professional Governmental Liaison for 25 years. Have appeared before The Alaska State Legislature and Congress on many occasions with most recent testimony on July 8th, 2009 before the full US House of Representatives Homeland Security Committee to speak about the use of InterShelter domes as "New and Innovative Emergency Housing Solutions for FEMA and US Natural Disasters". I was asked to appear on the same agenda with The Director of FEMA, Mr. Craig Fugate. Have been interviewed on FOX, CNN, CBS, NBC and several international press organizations.

Was President of Alaska International Marketing after leaving the Governor's Office from 1981 to 2008



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traveling and doing business in over 30 countries. He lived in Rio de Janeiro, Brazil and speaks both Italian and Portuguese. Received his Captain's License from The US Coast Guard to master passenger and cargo carrying vessels in 1981. Owned Club Pacific Yacht Charters for over 20 years and served as Commodore of The Juneau Yacht Club and am now serving 6th term on its Board of Directors.

Currently President/CEO of InterShelter Inc. the manufacturers and marketers of the revolutionary patented Solar Dome and Survival Sphere. The next generation of military shelter, disaster relief housing, decontamination/quarantine facilities, first responder HQs and MASH style triage pods, homeless communities, migrant worker housing, remote mountain top telecom shacks and international refugee housing. InterShelter has, for the first time since The Romans, bridged the gap between tents and stick built houses/trailers. Our buildings are transported as easily and go up as fast as a tent, yet once erected pass residential building codes in L.A. They are totally immune from any extreme weather conditions from -70 below zero to +120 above and can withstand Category 5 hurricane winds. They are the most energy efficient portable building on earth. They can be dis-assembled in a matter of minutes for re-deployment or storage for use over and over again. Or you can leave in place for the next 20 years with minimal maintenance. Our Solar Domes are totally sustainable, off the grid, and green with a "Net Zero Carbon Footprint", when powered by the sun/wind. InterShelter was recently named "Best Startup Company in America" by FOX News, Business Week Magazine and Yahoo Finance.

We stand ready to respond to global need to house the homeless, natural disasters, refugee housing, terrorist attacks and provide the next generation of military shelters for "The War on Terror" or to our allies around the world.