



Frontline Aid

Super Adobe Medical Clinic / Sudan

Dr. Luka Deng currently operates a bush clinic in the village of Wanyjok, Northern Bahr el Ghazal Province in Southern Sudan – at the border of Darfur. He sees approximately 200 patients per day in a clinic that is constructed of grass and must be replaced every few years. Sterile operating facilities are not available. Super Adobe will provide an environment that can be adapted to sterile operating facilities and better facilities for all patient exams. Dr. Luke is very excited about the prospect of a permanent clinic that will provide better conditions and the opportunity of creating an operating facility to better serve his many patients. Frontline Aid is raising the funds necessary to build the clinic using Super Adobe. Please help us achieve this great work. Below please find details on Super Adobe. If you have further questions on the Sudan clinic, please contact Cindy Castano of Frontline Aid at 704 334 0285 or email at castano@groupamg.com. For further information on Super Adobe, please visit www.calearth.org.

Emergency Sandbag Shelter

A SPIN OFF FROM KHALILI'S LUNAR/PLANETARY HABITAT DESIGNS

"Natural disasters are human created disasters blamed on nature.

After a fire, hurricane, flood, or earthquake we immediately declare that this was a natural disaster, an act of God. Then we ask if we have insurance, or how soon will the government or U.N. come to help? And these are repeated and echoed in the media around the globe over and over again. But these are not the right questions. The right question is why did our house burn, fall apart, or get swept away? And when we have the chance to re-build it, why should we build it the same way and in the same place? Ultimately "natural disasters" are human created disasters blamed on nature.

The human impact in nature and its effects: pollution, deforestation, land mismanagement, the green house effect, and more, will undoubtedly accelerate the rate of disasters in the future. Added to that are the man-made disasters: millions of displaced humans, wars and human aggression and act of terrorism with its incalculable damage to human life and property. There is a sense of urgency to educate ourselves and our children to act more in harmony with nature, rather than insisting on dominating and interrupting the environmental process. As well as urgency to awaken to a new set of questions where we, and not nature or God, are to be blamed.



***water in the boat
is the death of the
boat
water under the boat
and the boat's afloat***

- Rumi

Frontline Aid

1323 Queens Road, No. 307, Charlotte, NC 28207

704 334 0285 / 704 904 6619 / castano@groupamg.com

We must also prepare ourselves for the inevitable disasters. One of the best ways to shield against fire, flood, and storm may as well be with earth, water, air and fire. Nature does that itself. The equilibrium of the natural elements are the natural balancing acts among these universal elements.

To build simple emergency and safe structures in our backyards, to give us maximum safety with minimum environmental impact, we must choose natural materials and, like nature itself, build with minimum materials to create maximum space, like a beehive or a sea shell. The strongest structures in nature which work in tune with gravity, friction, minimum exposure and maximum compression, are arches, domes and vault forms. And they can be easily learned and utilize the most available material on earth: Earth."

- Nader Khalili



Frontline Aid
1323 Queens Road, No. 307, Charlotte, NC 28207
704 334 0285 / 704 904 6619 / castano@groupamg.com



The simple sandbag-and-barbed-wire technology, named Super Adobe, is described in the book "Sandbag Shelter and Eco-Village: How to build your own with Superadobe/earth-bag", and in the DVD/Video "Emergency Sandbag Shelter".

The technology is designed to:

- Use the materials of war (sandbags and barbed wire) to create a safe shelter in most regions of the globe as well as in your backyard.
- Utilize minimum amounts of purchased product and maximum amounts of the free earth under your feet.
- Participate in a family or community activity by building a shelter, or a sustainable community.
- Create a shelter with maximum protection against natural and man-made disasters.

Superadobe Technology is designed by Nader Khalili, engineering by P. .J. Vittore, models of which have been constructed and tested for the City of Hesperia, California, Building and Safety Department, in consultation with I.C.B.O. (International Conference of Building Officials), in the forms of arches, vaults, and domes between 1993 and 1996. These successfully passed the California required codes for the models.

Superadobe is a patented system at the service of humanity. It is offered free to the owner builder. Licensing is required for commercial use.

Frontline Aid
1323 Queens Road, No. 307, Charlotte, NC 28207
704 334 0285 / 704 904 6619 / castano@groupamg.com



CRISIS SUDAN

Help Refugees and Freed Slaves Start a New Life with a CSI Sack of Hope



The genocide in Darfur destroys life on a massive scale. Refugees flee into safe areas of Southern Sudan. Thousands of Southern Sudanese slaves are being liberated and returned to their homes. The refugees come empty handed, without food, water or supplies and they are facing extreme famine. Christian Solidarity International is working to provide every refugee with a special start-up sack containing the essentials to begin a new life.

The start-up SACK OF HOPE contains:

- Family sized Tarpaulin / Ground Sheet to offer shelter from rain and sun
- Family sized Blanket to keep the whole family warm on cold nights in the bush
- Family sized Mosquito Net for protection against insects, snakes, and scorpions
- Cooking Pan for boiling water and preparing millet gruel
- Plastic Canister to carry 5 liters of water
- Hand-Held Sickle for cutting the dried grass that is required for roofing a shelter
- Ten Fishing Hooks
- Hoe Head for cultivating
- Seeds for planting crops (in season)
- 22 lbs. of grain to feed a family of five for one week

\$50 provides a SACK OF HOPE. Please donate today!

Christian Solidarity International – Charlotte

Contact: Cindy Castano

1323 Queens Road, Charlotte, NC 28207 704 904 6619 / cindy.castano@csi-usa.org