

The Darfur Stoves Project

environment. livelihoods. safety.
health.



The Darfur Stoves Project is the first project of the nonprofit Technology Innovation for Sustainable Societies (TISS). Darfur Stoves Project is a collaboration between TISS, The Blum Center for Developing Economies at UC Berkeley, and The Lawrence Berkeley National Laboratory.

Our Story In late 2004, Berkeley scientist Ashok Gadgil was asked by the US Government to travel to Darfur to try to find a solution to a grave problem facing Darfuri refugees: women had to walk as long as 7 hours to find firewood outside the refugee camps. During these treks they were often subjected to rape. In response Ashok, his colleagues and the women of Darfur built the Berkeley Darfur Stove®.

Our Impact

Each stove
saves 10 tons of
CO₂ equivalent
over its 5-year
lifespan

A \$30
investment in a
stove can save a
refugee family
\$1250

environment

The Berkeley-Darfur Stove® uses only 25% the amount of fuelwood as the traditional three-stone fires common in Darfur.

livelihoods

Because the Berkeley-Darfur Stove® requires 75% less wood, users save an estimated \$250 per year in fuel costs. Over the five-year lifespan of the stove, this savings equals \$1250.

safety

The Berkeley-Darfur Stove® reduces the need for women to leave the camps in search of firewood, thereby reducing their risk of rape.

health

Reduced excursions for firewood collection translate into some rest and relief for the exhausted women of the refugee camps.

Unique value proposition the Berkeley-Darfur Stove® offers unique advantages over other fuel efficient stoves:

technical expertise

The Berkeley-Darfur Stove® was developed by scientists and engineers at the Lawrence Berkeley National Lab, with evaluation and feedback from women of Darfur. We have brought together the world's best minds in engineering to develop a simple, locally appropriate technology and provide ongoing technical support to our field partners.

local adaptation

The Berkeley-Darfur Stove® is specifically tailored to the windy conditions, the pot sizes, and the sandy ground in Darfur, and to the cooking style of the refugees.

local participation

Women in Darfur have provided feedback at every step of the process, ensuring the stove design fits their needs.

low cost + local employment

Each Berkeley-Darfur Stove® starts out as sheet metal pieces stamped out in India. These "flat kits" are shipped to Sudan where they are assembled by the Sustainable Action Group, a Sudanese startup company affiliated with our partner, Oxfam America. ***The total cost to fabricate, ship and assemble each stove is \$30***

Results to date *The Darfur Stoves Project and its partner organizations have provided 5,000 Berkeley-Darfur Stoves® to Darfuri refugees.* All the while, we have been modifying and retesting the stoves in our labs and with women in Darfur. The Berkeley-Darfur Stove® is now in its 12th version.

Now that we have fully tailored the stoves to meet the women's needs, we are scaling up distribution. A shipment of 1,000 flat kits arrived in Sudan in August 2009 and another 4,000 will be sent by the end of 2009. ***By mid-2010, 10,000 refugee families will have received a Berkeley-Darfur Stove®; 400,000 stoves are needed.***

Join Us!

For more information or to make a donation please visit our website

www.darfurstoves.org

