



NLS efficient cooking stoves, Cambodia

This project is engaged in the production and distribution of highly efficient cooking stoves to replace traditional, fuel-intensive stoves all across Cambodia.

Location



In Cambodia, firewood supplies 80% of household energy needs. Its intensive use threatens forest resources whereas the latter could, if properly managed, be a source of renewable energy.

The efficient cooking stoves project's geographical target market is the whole of Cambodia, and the 42 cooking stove production centers are located in 9 of Cambodia's 24 provinces.

Project



In response to the growing charcoal demand for domestic cooking in the urban areas of Cambodia, the *New Laos Stove* (NLS) was developed. Introducing an improved grate design and insulation whilst remaining intentionally similar to traditional South East Asian cooking stoves, it made for an attractive and economical alternative to traditional stoves. With already two million stoves used in Cambodia today, the project's success is unprecedented anywhere in the world. It is used in nearly half of all urban Cambodian households.

The development and dissemination of the NLS has played an important role in reducing the pressure on the country's vulnerable forests. The NLS has avoided the equivalent of over 10,000 football pitches of forest degradation.

The NLS is today the main income generating activity of over 3000 Cambodians. Trained to produce the stoves (with regular quality controls by the implementation team), the smallholder producers have increased their monthly incomes, serving both their families and their communities.



Project achievements



Socio-economic impact:

- The *New Lao Stoves* are manufactured locally, which creates new job opportunities for communities in production, distribution and sales.
- Cambodia's technological self-reliance is improving thanks to specialist skills being developed and furthered in-country: The NLS project partners in Cambodia provide training and quality control services.
- With the new cooking stoves being less smoky, emissions of hazardous air pollutants are reduced, improving the health of the cooks, typically mothers and children.
- The project improves the livelihoods of the poor by reducing fuel costs for families and freeing up money for other uses.
- Less fuelwood means less time spent by poor families and children gathering wood, time that can now be dedicated to education or income generating projects.
- The new stoves last two to three times longer than traditional stoves.

Environmental impact:

- The reduction in household fuel consumption has eased pressure on Cambodia's forests and improved the water storage capabilities of the soil.
- The NLS project supports the fight against deforestation and degradation of local resources by promoting improved domestic equipment.

Checklist Project 301 597



✓ Additionality and permanence:	according to the rules of the VCS
✓ 3 rd party verified:	by Bureau Veritas
✓ Transparency:	provided by the Markit Environmental Registry
✓ Annual CO ₂ -reduction:	192,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	high resolution pictures available

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