



## Ceramic water filters save CO<sub>2</sub> and improve health

### Clean drinking water, Countrywide, Laos

80 % of households in Laos rely on boiling their drinking water to prevent gastrointestinal diseases. However, boiling water releases significant amounts of CO<sub>2</sub> emissions, as inefficient cooking methods using wood or coal are common. Therefore, this climate project sells ceramic water filters to provide clean drinking water to rural communities.

As the water seeps through the ceramic filter, bacteria and other suspended solids are removed and the clean water is collected in a large plastic container that is easily accessible through a tap.

The goal of the project is to distribute over 100,000 clean water filters and thus not only save CO<sub>2</sub> but also improve the health of the local people.

### How does technology for clean drinking water help fight global warming?

Two billion people in the world have no access to clean drinking water. Many families have to boil their drinking water over an open fire, resulting in CO<sub>2</sub> emissions and deforestation. Where water can be cleaned chemically (e.g. with chlorine) or mechanically (with filters), or where groundwater can be provided from wells, these CO<sub>2</sub> emissions can be avoided. Clean drinking water projects in the ClimatePartner portfolio are registered with international standards.



### Contribution to the UN Sustainable Development Goals (SDGs)

#### SDG 1 · No Poverty

Through the project, many households can save money because less fuel has to be bought, less money is spent on medicines and more time is available to pursue a job.

#### SDG 3 · Good Health and Well-Being

92.3% of the participating population confirmed less exposure to smoke pollution.

#### SDG 6 · Clean Water and Sanitation

By 2021, the project had provided 251,545 people with safe drinking water.

#### SDG 8 · Decent Work and Economic Growth

The project created 56 jobs by 2021.

#### SDG 13 · Climate Action

The project saves about 56,927 tonnes of CO<sub>2</sub> emissions per year.



#### Project standard

Gold Standard VER (GS VER)

#### Technology

Clean drinking water

#### Region

Countrywide, Laos

#### Estimated annual emission reductions

56,927 t CO<sub>2</sub>e

#### Validated by

TÜV SÜD South Asia Private Limited

#### Verified by

Bureau Veritas Certification Holding SAS

#### Further information

[www.climatepartner.com/1187](http://www.climatepartner.com/1187)

