

# Improved Cook Stoves, Malawi

Protecting social, economic, technological  
and environmental wellbeing.



Reducing deforestation, emissions and helping families through  
the provision of improved cookstoves in a developing nation.

## The Project

The M'tetezi is a locally manufactured cook stove that has been introduced to the African nation of Malawi. The stove is operated by inserting one or two pieces of wood through an opening in the side. A draft is then created by the large temperature difference between the air entering the bottom of the stove and the hot combustion gases exiting from the top of the vertical combustion chamber. Cooking with the M'tetezi cookstoves requires significantly less firewood than the traditional cooking practice.

M'tetezi cookstoves reduce greenhouse gas emissions and indoor air pollution (carbon monoxide and particulate matter) in households. This reduction in exposure, especially to women and young children, is expected to reduce the health risks such as respiratory problems and issues related to eyes due to smoke. In comparison to open cooking fires, the use of the M'tetezi cook stove reduces the amount of time spent obtaining wood fuel, especially for children and mothers.

The saved time can be channeled towards other activities such as buying food, clothes and medical treatments.

Therefore, the promotion of Improved cookstove production in Balaka, will not only bring the above-mentioned benefits but will also bring local employment to rural areas, through the production and distribution of the improved cookstoves by the community members themselves.










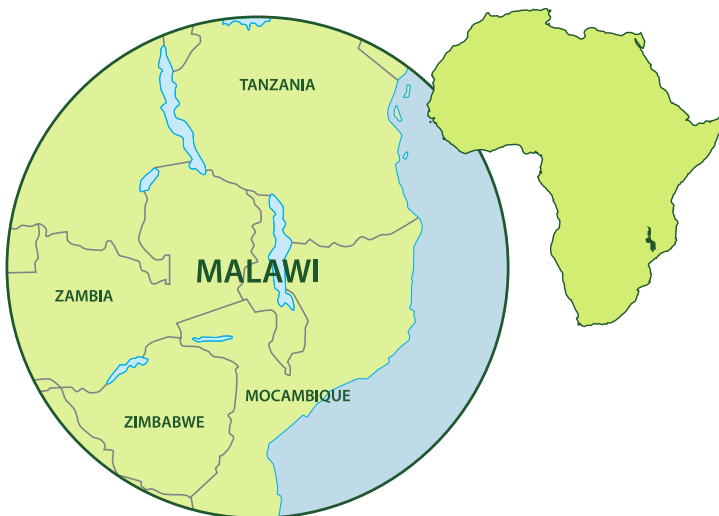
**Gold Standard**  
for the Global Goals

## PROJECT KEY FACTS

<b>Type:</b>	Domestic Energy Efficiency	<b>Standard:</b>	Gold Standard VER
<b>Location:</b>	Balaka, Malawi	<b>Crediting Period:</b>	14/02/2021 to 13/02/2026
<b>Emission Reductions Achieved:</b>	365,043 tonnes carbon dioxide equivalent (CO <sub>2</sub> -e) (first 18 months)		

## SUSTAINABLE DEVELOPMENT CONTRIBUTIONS ACHIEVED

SDG	SDG IMPACT	AMOUNT ACHIEVED
 13 CLIMATE ACTION	Amount of CO <sub>2</sub> -e emissions reduced by the project	365,043 tonnes of CO <sub>2</sub> -e
 1 NO POVERTY	Number of cook stoves distributed under the project as an indicator of providing basic service access to households	54,873
	Percentage of users reporting money saving due to reduction in purchased fuel consumption in project	77.14 %
 3 GOOD HEALTH AND WELL-BEING	Percentage of users reporting reduction in smoke after shifting to this improved cook stove in the project	100 %
 5 GENDER EQUALITY	Percentage of users reporting time saving due to reduction in collected fuel consumption / cooking time / boiling water	96.19 %
 7 AFFORDABLE AND CLEAN ENERGY	Percentage of users reporting an operational cook stove in the project	90 %
 8 DECENT WORK AND ECONOMIC GROWTH	Number of male / female employment created by the project	308 employment opportunities generated (male 145, female 163)
 15 LIFE ON LAND	Fuel-wood savings reported by users in the project	100 %



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