

# SWITCH OFF AIR POLLUTION PROJECT



Switch Off Air Pollution project was implemented between 2018-2022, with the aim to contribute to tackling the air pollution in Ulaanbaatar city through reducing coal consumption, decreasing heat loss and improving the energy efficiency of the individual houses in the ger areas of Ulaanbaatar.

## Project results 2018 - 2022

- 3,556** tons of GHG emission avoided
- 1,546** households were insulated
- 2,411** tons of fuel consumption avoided
- 20** solutions were developed
- 73** MSMEs were trained

## Simple Solutions campaign

Simple Solutions, easy and affordable "Do It Yourself" insulation solutions, campaign was launched, reaching people through community engagement to create awareness of the importance of insulation and provide basic knowledge of proper insulation techniques.

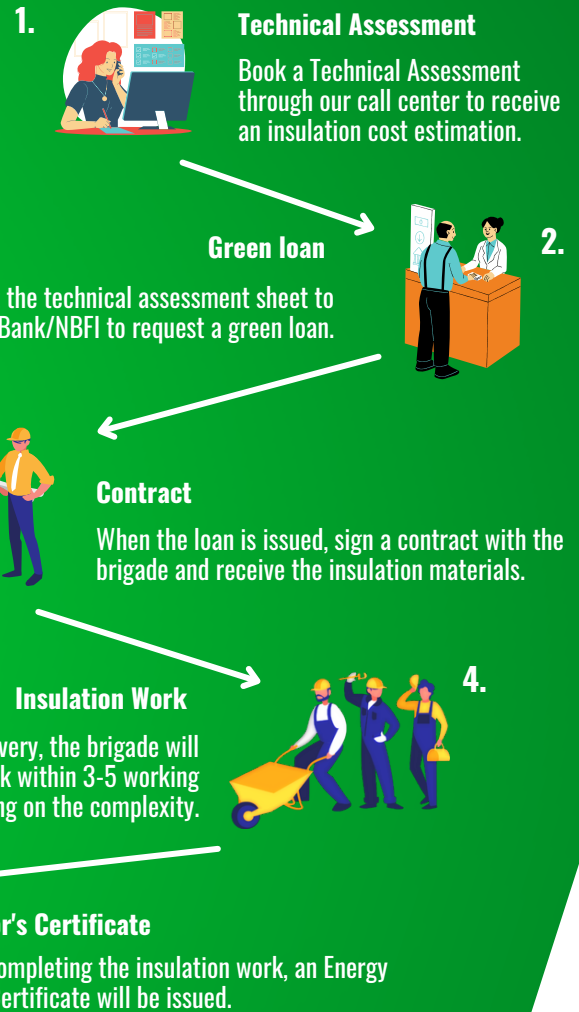
**1,429** households implemented Simple Solutions

**274** households received 5cm roof insulations

**175** window and door packages were delivered

**16,200** members of Facebook group

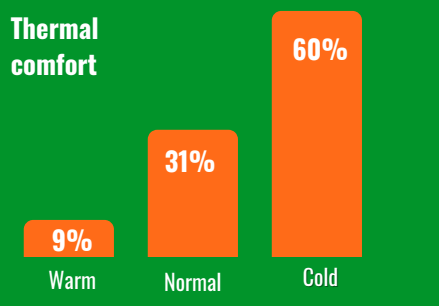
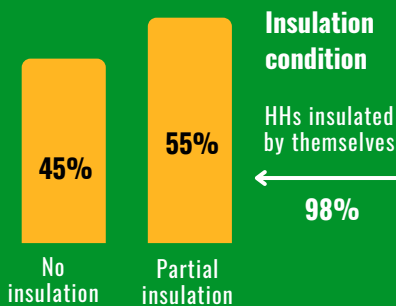
## OUR DELIVERY MODEL



\*If the household finances the insulation work, skip step 2, sign a contract with insulation brigades, and transfer the payment amount according to contract terms.

## Findings of 2018 baseline study

Aim of study: Collect and assess the thermal performance of the exterior envelopes, heating system and indoor air quality assessment of 178 houses in ger area.



**93%** lacks sufficient insulation

**3.4** times number of stove firing

## Phase I highlights:

Market Delivery Model was set up and launched



www.dulaalga.mn was created to offer households with insulation-related information service and calculate the cost of the insulations.



Дулаан шийдэл төсөл" Facebook page, +976-75052000 Call Center was created to serve as the main promotional channels.

# SWITCH OFF AIR POLLUTION IN MONGOLIAN CITIES PROJECT

2022 - 2026

## Our Aim

Switch Off Air Pollution in Mongolian cities" (SOAPII) project is aiming to act on building the momentum for Sustainable Consumption and Production in the housing sector in Mongolia, scale-up inclusive, contextualized, affordable, and financially viable Energy Efficiency (EE) solutions to decrease intensity, cost, GHG emissions of energy, and maximize health, economic and social benefits with an ultimate goal to promote just & sustainable development practices.

## Financiers



## Outputs

- 1 Awareness raising and behavior change
- 2 Develop new EE solutions for detached house
- 3 Improve green loan accessibility
- 4 Capacity building of MSMEs in EE sector
- 5 Development of replication toolbox for deployment for scaling-up in all Mongolian cities
- 6 Ownership and sustainability of the project is ensured, EE product market is developed

## Target:



5,900  
HHs directly  
reached



1,000  
HHs receive  
Green loan



160  
Capacity building  
for MSMEs



11  
Bank/NBFI/Saving  
groups collaborated



5  
Development of  
new products



1  
Expand the activity into  
1 other province



2.2 million  
People reached through the  
marketing and PR activities

## Target groups



Households in  
the ger district



Local  
authorities



Construction  
material  
suppliers



MSMEs of the  
construction  
sector



Financial  
institutions



International  
development  
agencies

## Energy efficient solutions



Technical assessment/  
Thermal camera  
assessment



Roof attic insulations: 5cm, 10cm,  
15cm, 20cm mineral wool



Wall insulations:  
Mineral wool and EPS board



Window  
replacement



Foundation insulation:  
XPS board



New energy efficient  
products

## Implementing partners



## Sustainable Development Goals

