SWITCH OFF AIR POLLUTION PROJECT

ДУЛААН ШИЙДЭЛ
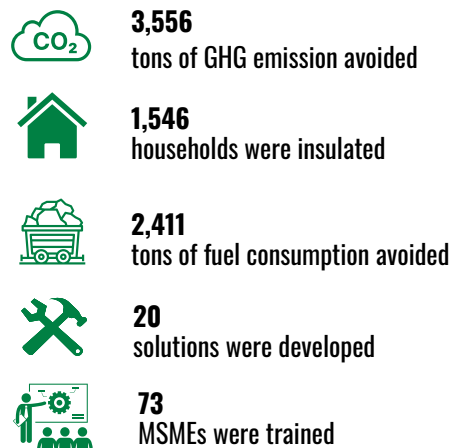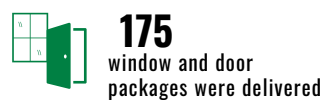SWITCH OFF AIR POLLUTION

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.
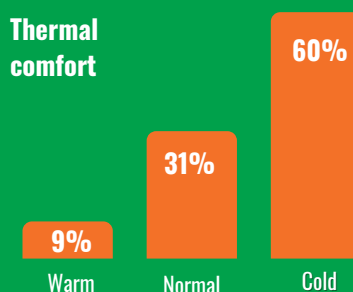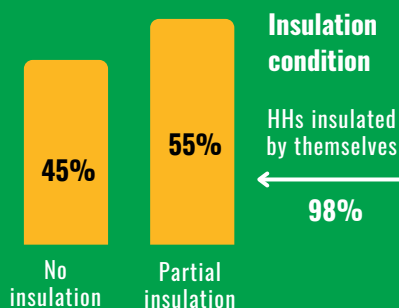
1,429
households implemented Simple Solutions

274
households received 5cm roof insulations

175
window and door packages were delivered

16,200
members of Facebook group

OUR DELIVERY MODEL

1. Technical Assessment
Book a Technical Assessment through our call center to receive an insulation cost estimation.

2. Green loan
Submit the technical assessment sheet to the Bank/NBFI to request a green loan.

3. Contract
When the loan is issued, sign a contract with the brigade and receive the insulation materials.

4. Insulation Work
After the material delivery, the brigade will complete the insulation work within 3-5 working days depending on the complexity.

5. Auditor's Certificate
After completing the insulation work, an Energy Audit Certificate will be issued.

*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.

Insulation condition

HHs insulated by themselves **98%**

- **45%** No insulation
- **55%** Partial insulation

Thermal comfort

- **9%** Warm
- **31%** Normal
- **60%** Cold

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

Financiers

switchasia GRANTS PROGRAMME

Funded by the European Union

FONDATION Abbé Pierre

GLOBAL ALLIANCE FOR GREEN AND GENDER ACTION

AFD

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.

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

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SWITCH OFF AIR POLLUTION

Target:

5,900 HHs directly reached

1,000 HHs recieve 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

geres ACTING FOR CLIMATE SOLIDARITY

BEEC

MONGOLIAN NATIONAL CONSTRUCTION ASSOCIATION

MGFC

MONEI

7505-2000

Дулаан шийдэл төсөл

www.dulaalga.mn