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Holcim Indonesia

Holcim Indonesia is a leading fully integrated producer of cement, ready mixed concrete and aggregates with a unique and expanding retail franchise offering the most complete end-to-end solution to home building, from building materials supply to design and speedy, safe construction.



Geocycle, as a business unit of Holcim, providing environment friendly solutions for industrial and commercial waste, delivering peace of mind to customers through responsible and environmentally-sound practices.



Asia Society for Social Improvement and Sustainable Transformation (ASSIST)

ASSIST is a non-profit capacity building organisation that works on issues ranging from climate change, energy efficiency, and renewable energies to human rights, democracy and good governance. ASSIST promotes the philosophy of Partner to Progress (P2P) and continues to communicate, collaborate and capacitate with key stakeholders from industrial & social sectors to achieve real and sustainable progress.

Contact Information

DEG
Kämmergasse 22
50676 Köln Germany
PO Box 10 09 61
50449 Köln
T : +49 221 4986-0
F : +49 221 4986-1290
www.deginvest.de

PT Holcim Indonesia Tbk
Menara Jamsostek
North Building 15 th floor
Jl. Gatot Subroto No. 38
Jakarta, Indonesia
T : (+62-21) 8231260
F: (+62-21) 8234575
www.holcim.co.id

ASSIST
Level 5, A&V Crystal Tower,
105 Esteban St., Legaspi Village,
1229 Makati City
T : (+63) 2-403 8668
F: (+63) 2-403 8358
www.assistasia.org

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Refrigerant Management Awareness in Industrial and Commercial Application for Sustainable Energy Conservation

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PROJECT BRIEF

The Indonesian government has committed to voluntary CO₂ emission reduction targets under international climate negotiations within the UNFCCC, amounting to 26% of the 2005 baseline, to be achieved by 2020. This 26% reduction is through local effort, targeted to reach as much as 41% through international cooperation. This is a tremendous challenge for Indonesia!



It is estimated that without proper refrigerant management, HFC emissions will dramatically outstrip all other GHGs and by 2050, will reach 5.5–8.8 Gt CO₂ equivalent per year.

The technology used in air-conditioners and refrigerators has a significant climate impact both through direct emissions (leakages and servicing) and indirect (energy use). Thus, there is significant potential to generate GHG emission reduction not just from energy efficiency but also from management of refrigerants.

RAISE Indonesia focuses on commercial buildings, industrial refrigerant service sector and large retail and industry sectors, which are significant users of air-conditioning and refrigeration. Target stakeholders will be relevant government agencies, professionals and practitioners, local chambers of commerce, industry associations and academic institutions. The objective is to contribute to sustainable industrial development in Indonesia by developing human capital in the field of refrigerant and energy management.

MAJOR ACTIVITIES



1. Multi Stakeholder Session

This session will be organized for representatives from government ministries, various organizations, experts and practitioners to identify strengths and gaps that the project can leverage on to create a bigger impact.



2. Awareness Forum

Multiple Awareness Forums will be organized in Jakarta, Surabaya and Medan to jumpstart awareness on the negative climate impacts of refrigerant related emissions.



3. Curriculum Development

Subject matter experts will develop technical training materials on energy efficiency and refrigerant management in large retail businesses, building management and industrial refrigerant service sector.



4. Capacity Building

Thirty (30) local trainers from the multi stakeholder group will be qualified through a 3-day program in two different sessions. They will act as a strong multiplier of project benefits with enhanced capability of providing their services beyond project duration.



5. Technical Training

A maximum of one hundred and twenty (120) professionals will be equipped with technical knowledge on refrigerant management and energy efficiency through a training program, rolled out in four (4) batches in the Jakarta region.



6. Policy Dialogues

Policy Dialogue I will see presentation of measures developed from the project on refrigerant management to the relevant ministries in order to advocate adoption of these measures into national government plans.

Policy Dialogue II will give opportunity to energy efficiency implementing and refrigerant managing companies to present their results and seek recognition of their efforts to contribute to national government targets on GHG reduction.

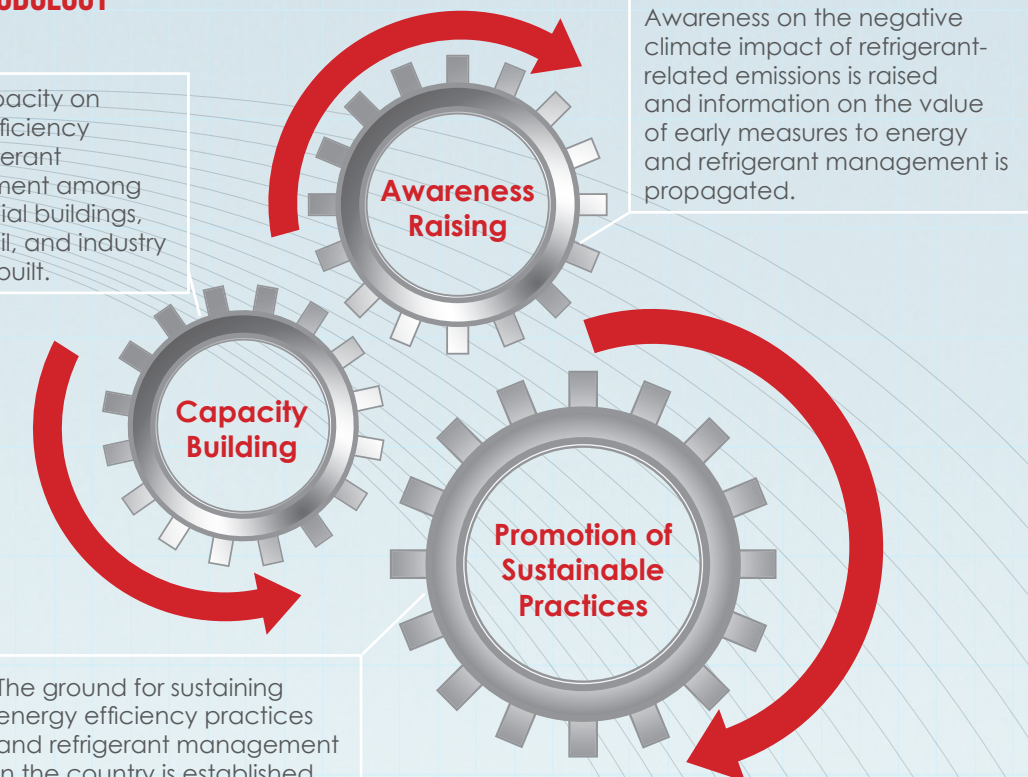


7. Culmination Ceremony

It will be a knowledge-sharing event wherein the achievements will be presented as well as the lessons learned throughout the project.

METHODOLOGY

Local capacity on energy efficiency and refrigerant management among commercial buildings, large retail, and industry sectors is built.



Awareness on the negative climate impact of refrigerant-related emissions is raised and information on the value of early measures to energy and refrigerant management is propagated.

The ground for sustaining energy efficiency practices and refrigerant management in the country is established.



BENEFITS

RAISE Indonesia is a Public-Private Partnership program with a developmental agenda in supporting and providing government agencies, facilities, building engineers in Indonesia with adequate knowledge and capacity in the Energy Efficiency and Refrigerant Management fields.

The project offers free Trainings / Workshops / Tools:

- Energy Efficiency / Refrigerant Management - An overview: The developed content will help participants not only to understand energy efficiency and refrigerant management, but also to help them with necessary resources to implement the knowledge in their respective organizations.
- Train-the-Trainer workshop & Technical Training: The trainers will be qualified and provided with technical knowledge on the topic and train other professionals, together with senior technical experts.
- CD-based toolkit: The toolkit will contain all materials created from this project.