GREEN COOLING REVOLUTION

RAC NAMA Fund and the Future of Thai Industry

HIGHLIGHTS

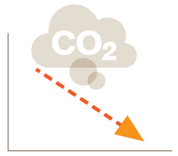
More than
200,000
green cooling products are expected to launch on the domestic and export markets in 2021

1st
climate finance in Thailand

100%
of funding disbursed and utilized

IMPACT

1.75 Mton
of CO_2 reduction per year in 2030



3.5 TWh/Year
energy saved

400 tons
of damaging refrigerants avoided per year

The 'RAC NAMA Fund' is Thailand's first climate finance project with the funding of 8.3 million Euro (about 300 million Baht) from the NAMA Facility, a joint initiative of the Federal Republic of Germany and the United Kingdom. The Fund comes under the Thailand Refrigeration and Air Conditioning Nationally Appropriate Mitigation Actions (RAC NAMA) project. GIZ is commissioned to implement the project in partnership with the Office of Natural Resources and Environmental Policy and Planning (ONEP), the Department of Alternative Energy Development and Efficiency (DEDE) and the Electricity Generating Authority of Thailand (EGAT) to provide technical, policy, and financial assistance. The activity runs until March 2021.

EGAT RACNAMA Fund

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EGAT RACNAMA Fund

NAMA Facility
On behalf of:
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
of the Federal Republic of Germany
Department for Business, Energy & Industrial Strategy
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Department of Alternative Energy Development and Efficiency
MINISTRY OF ENERGY

The Operation of RAC NAMA Fund*

- 8.3 million Euro (approx. 300 million Baht) Financial support for energy efficient cooling technology with natural refrigerants
- EGAT as Project Fund Manager
- Duration: December 2017 - Present

*Remark: These are approximate figures and as of October 2020.

EGAT

RACNAMA Fund

4
producers

52 MB
credit line for
production line conversion
(one-year term)

2
producers / distributors

43 MB
from **producers' own contribution** on marketing

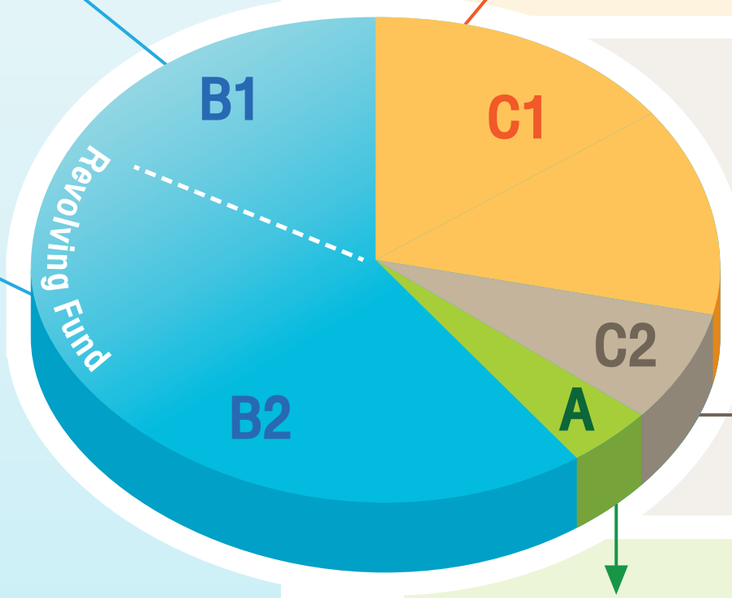
+

146 MB
credit line for
market introduction
and sales promotion

Adding total investment of
198 MB
to stimulate the demand for green cooling

65,000 units
sales forecast (in the first year)

Create
1,124 MB
of green cooling market (in the first year)



9*
producers approved

90 MB
sub-grants
for production line conversion

+

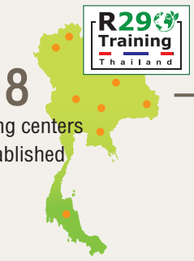
70 MB
from **producers' own contribution**

Create total investment of
160 MB

*Remark: One company withdrew due to Covid-19.

15 MB
sub-grants
for training facilities

8
training centers
established



222
trained trainers

2.6 MB
sub-grants
for testing facility

National skill
curriculum in 2021

10 MB
to support credit-card campaign
with 0% for 10-month installment
(for green cooling refrigerators)

15,000
units sold (6-month campaign)

236 MB
of consumer spending stimulated

Currently over 80%
are domestic refrigerators with natural refrigerants