International Cooperation and Carbon Market

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1. Joint Crediting Mechanism on HFCs recovery projects

- Since HFC recovery and destruction are difficult to implement due to cost burdens and other factors, **additional support through JCM credits is expected to be effective.**
- Interest in HFC countermeasures is also growing in partner countries' NDCs, which will also contribute to the overseas expansion of refrigerant-related technologies by Japanese companies.
- Japanese companies and the MOEJ have collaborated to **implement four HFCs JCM projects in Thailand, Vietnam, and the Philippines.** In the **Philippines, methodology and procedures for PDD approval have made significant progress**, aiming for early crediting.
- The possibility of JCM **methodology will also be considered for the reclamation projects**.

Project Period	Country	Project Participants	Business Overview
Fall 2026~ (Planned)	Philippines	Marubeni	Utilizing cement kiln furnaces HFC recovery and destruction
–	Thailand	DOWA Ecosystem	HFC Recovery and Destruction Using Existing Waste Incineration Facilities
Waiting for JCM restart	Vietnam	Marubeni	HFC recovery and destruction using dedicated combustion destructive equipment
Waiting for JCM restart	Vietnam	Marubeni	HFC Recovery and Destruction by Co-firing Facilities

Destruction facility ▶ (Philippines)



▼Cylinder Collection (Philippines)



2. ELECTRONIC TRACKING FOR REFRIGERANT MANAGEMENT

Benefits

- Supporting Mandatory Corporate Reporting under Decree No. 06/2022/ND-CP and Decree No. 119/2025/ND-CP
- Free Access to Electronic Tracking System during the Pilot
- Technical Advice on Proper Refrigerant Management



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3. Information Dissemination Platform (IFL Website)

IFL

Visit our IFL Website
https://www.ifl.go.jp/ifl-home

Initiative on Fluorocarbons Life Cycle Management





New! **Missions to Southeast Asian countries**

11-13 Feb. 2026 (Malaysia),
3-5 Mar. 2026 (Vietnam)



Resources

Publications

Guidelines

Japanese Laws and Document Related to LRM

Reports

Video & Recordings

- Policy Making
- Refrigerant Management
- Leakage Prevention
- Refrigerant Conversion
- Technologies on Recovery, Reclamation and Destruction

Act on Rational Use and Proper Management of Fluorocarbons

Law	Act on Rational Use and Proper Management of Fluorocarbons (Fluorocarbon Emission Control Act) (2001)
Cabinet Order	Enforcement Order of the Act on the Rational Use and Proper Management of Fluorocarbons (2001)
Ministerial Order	Enforcement Regulation of the Act on Rational Use and Proper Management of Fluorocarbons (2014)
Ministerial Order	(Coming soon) Order on Reporting, etc. of the Calculated Amount of Leaked Fluorocarbons (2014)

Publications



Resource Book for Life Cycle Management of Fluorocarbons:

Leakage Prevention



Refrigerants leakage detection system

In this video, technology information on fluorocarbons leakage detection system, utilizing IoT is presented, with case studies of actual private sector's business operation. It also includes interviews with technology suppliers.



Fluorocarbons leakage prevention and detection

Avoiding fluorocarbons leakage is an effective technological option in the cooling sector, in order to prevent fluorocarbons emissions to the atmosphere and for maintaining energy efficiency of equipment.

In this video, technology information on preventing fluorocarbons leakage and leakage detection system utilizing IoT are presented, with case studies of actual private sector's business operation. It also includes interviews with technology suppliers.

Refrigerant Management



Building a refrigerant tracking system -Utilizing a tracking management app-

Fluorocarbons used in cooling sector have a high GWP, and its release into the atmosphere contributes to global warming.

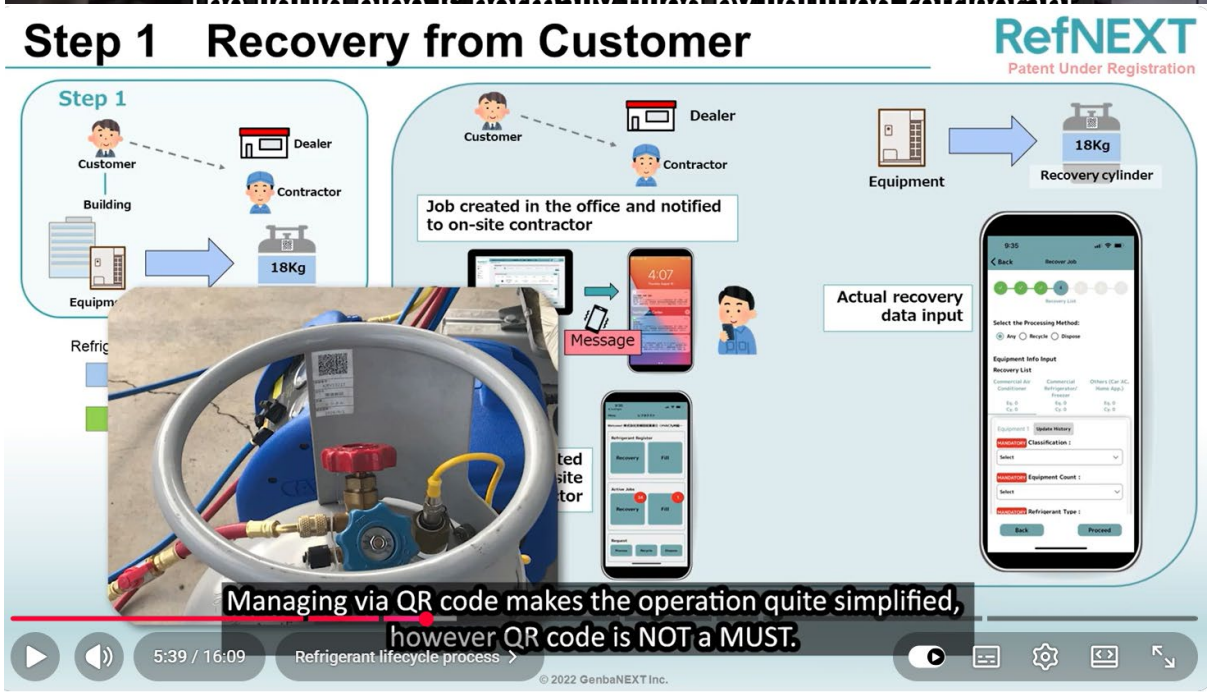
To prevent global warming, it is necessary to recover used fluorocarbons for reclamation or destruction. However, the recovery of fluorocarbons has not progressed sufficiently.

One of the reasons is that recovery is not being implemented in a systematic manner due to lack of recovery system covering the entire nation for each country.

In order to systematically implement recovery, it is important that all the stakeholders follow a single set of rules and avoid creating loopholes in each step that fluorocarbon passes.

In Japan, a new approach has been launched.
The approach is that all the stakeholders use a single app running on their smartphones, to record and manage the location of fluorocarbons from filling to reclamation or destruction.





Thank you for your attention