

Initiatives for a Circular Economy Society

June 19, 2025 Daikin Industries, Ltd.

Company Profile

AC Business

Chemicals Business

Environmental Initiatives

Management Strategy Plan

Initiatives for a Circular Economy Society



Founded in 1924

100 Years of History

130+

Production Bases
In the World

Business Development in

170+

Countries

People-Centered Management

¥4 trillion

Overall Sales

83%

of Daikin Sales are from outside Japan

Global AC Leading Company

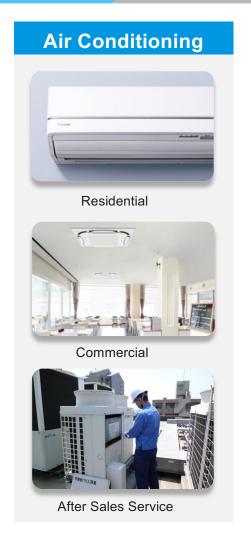
100,000+

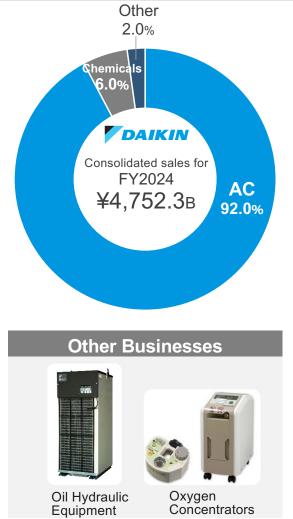
Employees

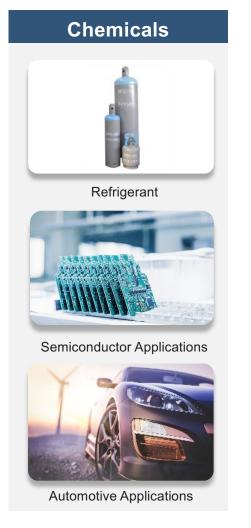


Business Overview





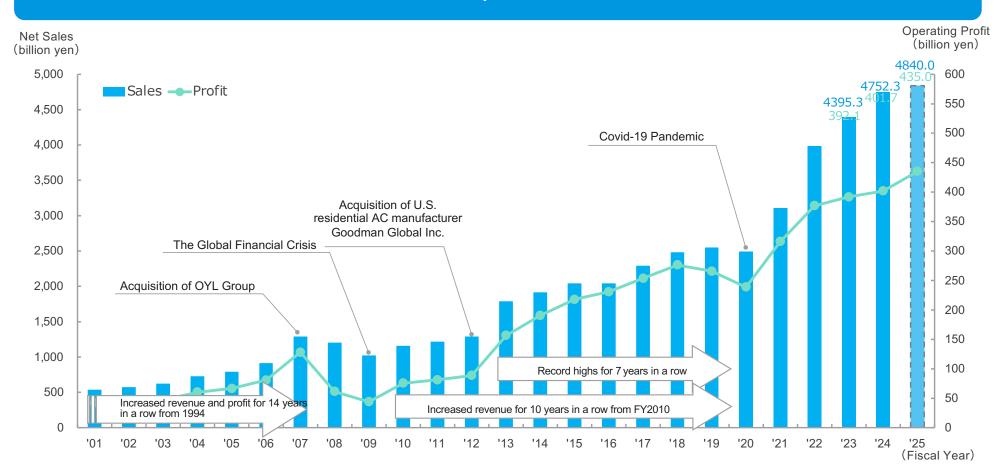




Financial Results



Expanding business mainly in overseas, revenue increased for 10 consecutive years from 2010 to 2019. Achieved 4 trillion yen in FY2023.



AC Business

Daikin's AC Product Lineup



AC solutions are realized with an extensive lineup for all types of needs including those for energy-savings, the environment, ventilation, comfort, peace-of-mind, safety, and health.



Main Global Production Bases for Air Conditioning – Localization –



Production bases have been established worldwide at more than 90 locations* in 28 countries for localized production

Europe

Daikin Europe N.V. (Belgium;1972)

- Commercial ACs, Heating products

Daikin Industries Czech Republic (2003)

- Residential ACs

Daikin Applied Europe S.p.A. (Italy; acquired in 2007)

- Screw and Centrifugal Chillers

Daikin Turkey (2011)

- Residential ACs, Heaters

Daikin Manufacturing Germany(acquired in 2008)

Heaters

Daikin Manufacturing Poland(2024)

- Heaters

India

Daikin Airconditioning India (2009)

- Residential and Commercial ACs

Asia

Daikin Industries (Thailand) (1990)

- Residential and Commercial ACs

Daikin Malaysia Sdn. Bhd. (Acquired in 2007)

- Residential ACs, Commercial ACs

Daikin Air Conditioning Vietnam (2018)

- Residential Acs

Daikin Industries Indonesia (2024)

- Residential Acs

U.S.

*including bases for filters and refrigeration

Daikin Applied Americas INC.

(Staunton, VA; acquired in 2007)

- Large Screw Chillers, Centrifugal Chillers

Daikin Comfort Technologies North America, Inc (Houston, TX; acquired in 2012)

- Residential Unitary Systems, Gas Furnaces, Commercial ACs

Japan

Shiga Plant (Kusatsu, Shiga: 1970)

- Residential ACs

Sakai Plant (Sakai, Osaka: 1937)

- Commercial ACs



China

Daikin Air-Conditioning (Shanghai) (1995)

- Commercial ACs, Heat Exchangers, Air Cooled Chillers

Daikin Air-conditioning (Suzhou) (2011)

- Residential and Commercial ACs

McQuay (Wuhan; acquired in 2007)

- Water Cooled Chillers, Centrifugal Chillers

McQuay(Shenzhen; acquired in 2007)

- Air Cooled Chillers, Fan Coil Units

Daikin Air-Conditioning (Huizhou) (2024)

- Residential ACs

South America

Daikin Ar Condicionado Amazonas Ltda (2012)

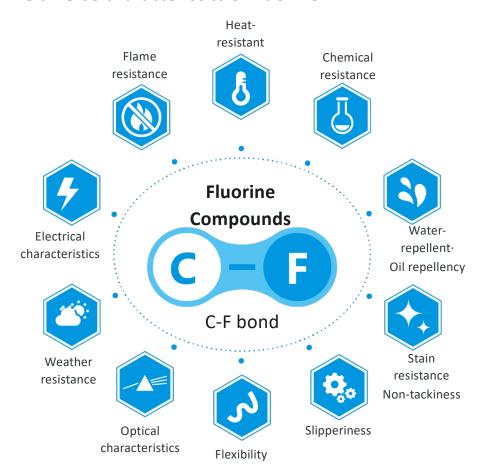
- Residential and Commercial ACs

Chemical Business

Utilizing the diverse properties of fluorine in a wide range of fields



The diverse characteristics of fluorine



Product lineup



Fluorine rubber
Fluorine Resin Paint
Resin addition agents
Fluororesin Film

Fluorine resin

Surface Functional Materials







Water and oil-repellent

Antifouling coating agent
Waterproof and moisture-proof
coating agent
Water and oil-repellent
Weather resistance paint resin
Release agent Fluorine oil

Specialty



Refrigerant



Medical chemicals raw materials

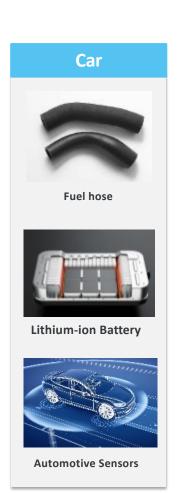
Refrigerant
Fine Chemicals
Etching agent for conductors
Battery Materials
Optical Adhesives

Main fields and applications of fluorochemicals products



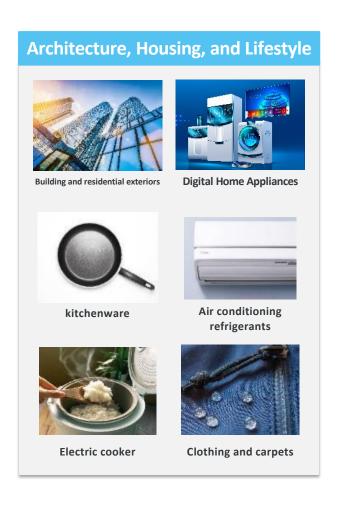
Conductor Manufacturing equipment parts Chemical supply line

Etching Gas









Major global production bases for the chemical business



Europe

- DAIKIN CHEMICAL FRANCE S.A.S (Lyon)
 Fluorine rubber
- Daikin Refrigerants Frankfurt GmbH (Frankfurt)
 Refrigerant
- DAIKIN COMPOUNDING ITALY S.p.A. (Brescia)
 Compound Micro Powder
- DAIKIN CHEMICAL NETHERLANDS B.V. (North Brabant)

Asia

Fluorine rubber

- Daikin Advanced Materials Korea (Seoul)
 Conductor dry etchant
- Daikin fluorochemicals (China) Co., Ltd. (Changshu)
 Refrigerants, fluorosis, fluoroelastomers
- Daikoku Fluorine Coatings (Shanghai) Co., Ltd. (Shanghai)

Fluorine coatings

Daikin New Materials (Changshu) Co., Ltd. (Changshu)

Fluorochemicals Products

Daikane New Materials (Shanghai) Co., Ltd. (Shanghai)

Fluorine paint

Jiangxi Datang Chemical Co., Ltd. (Jiujiang)

Anhydrous hydrofluoric acid

Daikane Seiken Advanced Technology (Huizhou) Co., Ltd. (Huizhou)
 Fluorine rubber

Japan

- Yodogawa Plants (Settsu, Osaka)
 Refrigerants, fluorosis, fluoro rubber
- Kashima Plants
 (Kamisu City, Ibaraki Prefecture)
 Fluorine resin
- DAIKIN FINETECH, LTD.
 (Nara Prefecture, Osaka Prefecture)
 Resin-processed products, conductor manufacturing equipment
- KYOEI CHEMICAL INDUSTRIES,LTD Kasei (Settsu City, Osaka Prefecture)
 Processing of resin, gypsum, and fluorite

US

- DAIKIN AMERICA,INC. (Alabama)
 Fluorochemicals
- CRI-TECH,INC. (Massachusetts)
 Compound
- MDA MANUFACTURING, INC. (Alabama)
 Resin intermediate raw materials

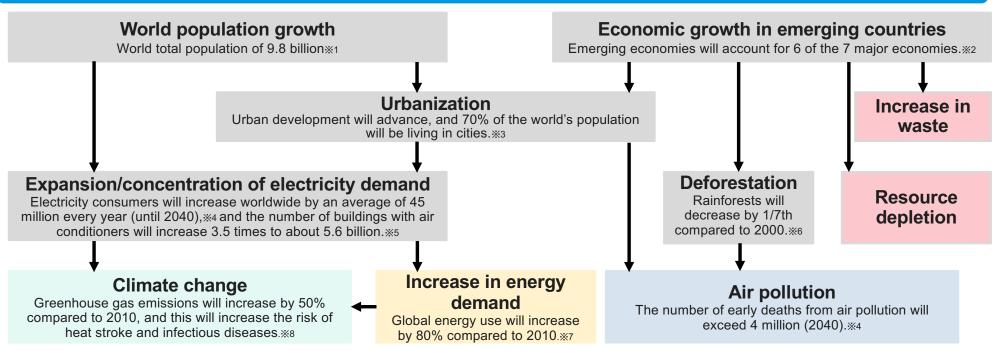
Environmental Initiatives

Long-Term Environmental Issues Surrounding Our Company



Environmental issues seen from scenarios in society

The world population is expected to reach 10 billion people in 2050. The populations of developing countries in Asia and Africa will continue to grow in the future and are concentrated near the equator. Over the next 30 years, 10 billion people will begin using air conditioners in search of a comfortable life.



- ※ 2 : PwC report The Workd in 2050
- **X3**: United Nations World Population Prospects: The 2018 Revision
- ****4 : IEA \[World Energy Outlook2017 \]**

- **% 5 : IEA** [The Future of Cooling]
- **%**6 : Center for Global Development The Future of Forests : Emissions from Tropical Deforestation with and without a Carbon Price, 2016-2050 J
- ※ 7: OECD 「Environmental Outlook to 2050」
- \divideontimes 8 : WHO[Quantitative risk assessment of the effects of climate change on selected causes of death, 2030s and 2050s]

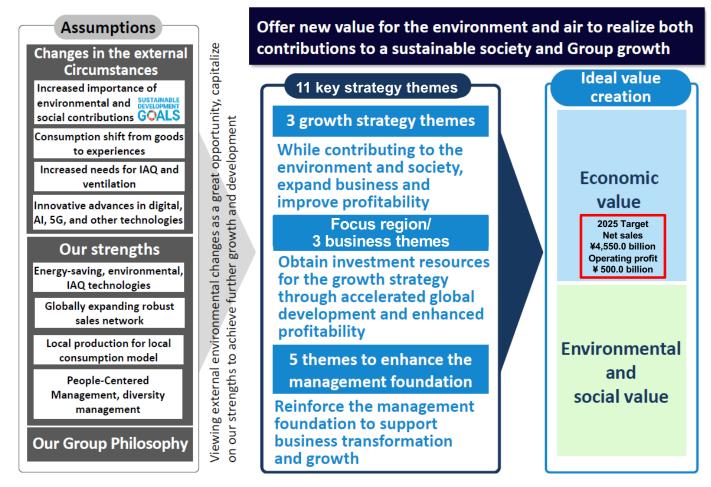
FUSION25

Strategic Management Plan

Overview of Strategic Management Plan "Fusion 25 Latter-Half 3-Year Plan (FY2023 – 2025) DAIKIN

What's Strategic Management Plan Fusion

- Formulation of strategic management plan every five years based on external business environment and assessment of the current situation.
- Indicate the direction for the Group's growth in five years, and the key strategy as well as a three-year quantitative targets and implementation plan.
- Upon the elapse of two years from the start, establish a new quantitative target for the final year.



Position of Circular Economy within the 11 Key Strategy Themes of FUSION25



Position the circular economy initiatives within the growth strategy theme "Challenge to achieve carbon neutrality," currently being implemented (newly themed in the Latter-Half 3-Year Plan of FUSION25).

Growth strategy

Challenge to achieve carbon neutrality

Reduction in power consumption, HP Space/Water Heating business, refrigerant strategy, achieving net-zero GHG emissions in factories and offices, and challenges towards new CN businesses. Circular Economy

Promotion of solutions business connected with customers

Creating value with air

Businesses supporting our growth

Focus region

Air Conditioning business in North America

- Establishment of a major base in India
- Chemicals: Challenge to become a leading company in high-performance and environmental materials

Management foundation enhancement

- Strengthening technology development capabilities
- Establishing a robust supply chain
- Promoting digital transformation for innovation
- Creating market value/enhancing advocacy activities
- 11 Improving HR capabilities through advanced diversity management

Initiatives for a Circular Economy

Initiatives for a Circular Economy



First, we will accelerate globally establishing a refrigerant eco-cycle (recovery, reclamation). For other materials that we use, we will make environmentally-conscious efforts such as using recycled material and improving durability.

- OEstablish refrigerant recovery/reclamation networks (Establish the refrigerant eco-cycle)
- OProduct design and service creation based on the premise of circularity.
 - ·Using recycled plastics, horizontal recycling, reducing use of rare earth, etc.

Concept of a Circular Economy

CE is a system of a circular society that generates economic value on the premise that products and raw materials are not disposed

<Efforts Necessary for Realization>

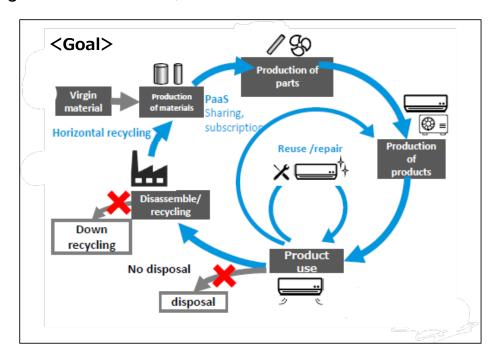
Offer product design and services based on circularity

Establish recovery network for circularity

Enhance technology for horizontal recycling

*Recycling in the form of products after use becomes resources and is regenerated as the same product

Sources: Ministry of the Environment Annual Report on the Environment, the Sound Material-Cycle Society and Biodiversity in Japan (2021) Keidanren Proposal for the Realization of a Circular Economy (2023)



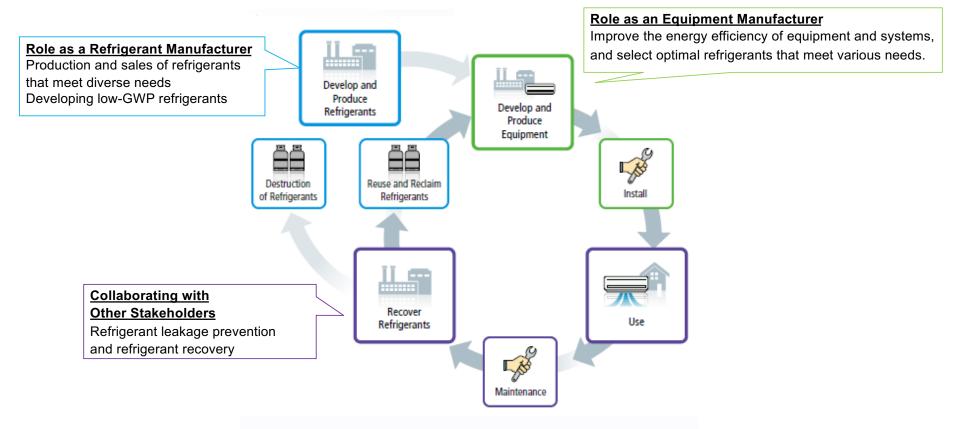
OEstablish the Refrigerant Eco-cycle



Direction of Initiatives:

As part of our social responsibility as a company that makes both equipment and refrigerants, Daikin advocates for the establishment of refrigerant eco-cycle (recovery, recycle, reclamation, and destruction) at each base.

<Lifecycle of Refrigerants and Equipment and Daikin's Role>



Establish the Refrigerant Eco-cycle



1) Initiatives for the Recovery, Recycle, and Reclamation of Refrigerants in Japan

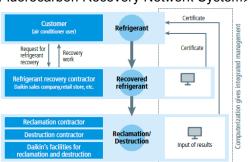
- We have been working on refrigerant recovery, recycle, and reclamation since fiscal 2021, under a promotion structure that integrates the chemicals and air conditioning divisions. Aiming to increase refrigerant recovery, recycling, and reclamation rates across Japan, we initiated a system for centralized management of data from recovery to destruction. Additionally, the operation of a new reclamation facility at the Yodogawa Plant commenced in fiscal 2023.
- In addition, some recovered refrigerants are destroyed at our in-house destruction and treatment facilities, and the resulting reclaimed fluorite is recycled as a raw material for refrigerants and fluorochemical products.

2) System for Recovery, Recycle, Reclamation and Destruction of Refrigerants in Europe

- In Europe, in response to the growing demand for the recovery, recycling, and reclamation of refrigerants due to F-gas regulations. Daikin has established a system for recovering, reclaiming, and reusing refrigerants from used air conditioners in the market.
- In Germany, a subsidiary of the Chemicals Division began operating a refrigerant reclamation and destruction plant in 2021. Utilizing this scheme, we have commenced sales of "VRV L∞P by Daikin" air conditioners that use reclaimed refrigerant.

3) Supporting the Recovery, Recycle, and Reclamation of Refrigerants in Emerging Countries

- In emerging countries, Daikin cooperates with the Japanese government, national governments and other stakeholders to create refrigerant recovery, recycle, reclamation and destruction schemes.
- Since fiscal 2021, Daikin has been promoting the establishment of a refrigerant recovery system in Vietnam in collaboration with Marubeni Corporation, M-ZETTO, and GenbaNEXT Technologies Private Limited, as part of the Joint Crediting Mechanism (JCM) Financing Support Programme run by Japan's Ministry of the Environment. (A local demonstration of the system was held in January 2024.)



<Fluorocarbon Recovery Network System> < Reclamation Facility at the Yodogawa Plant> < VRV Using Reclaimed Refrigerant>





Ocircular Product Design and Service Creation



Direction of Initiatives

Daikin strives to create products and services with the value people demand and that can be used over a long period of time. We maximize the use of resources at all stages of the product life cycle, from design to repair and final disposal.

1) Initiatives during Design and Development

1 Making Smaller and Lighter Products

- To minimize the resources used in manufacturing air conditioners, we set weight reduction targets for both the entire product and its components for each unit.
- After downsizing and weight reduction, Daikin establishes weight reduction targets for each product during development, ensuring that the annual performance factor (APF) does not decrease to maintain energy efficiency.

2 Switching to Materials with Relatively Smaller Environmental Impact

- The main materials used in air conditioners are metals such as iron, copper, and aluminum.
 Of these, copper faces the issue of over mining which leads to lower ore grade, while its demand is expected to increase as society strives to decarbonize. Daikin is working to reduce the amount of copper it uses through the establishment of replacement technologies.
- In addition, the circular use of plastic resources is also another major challenge. Daikin is making efforts to use recycled materials and alternative materials in its products as well as reduce the amount of plastic-derived packaging materials it uses.

3 Reducing Rare Earth Usage

- Daikin is working to reduce the amount of heavy rare earths added for high heat resistance, in parallel with reducing the use of rare earth-based magnets through motor design.
- We are also working to recycle rare earth magnets in collaboration with third parties.

<Main Results in Fiscal 2023>

- Weight reduction by altering component layout in some indoor units (6.8% less than previous models) and using aluminum air heat exchangers (4% less than previous models).
- Development of technology to manufacture aluminum fins from aluminum scrap generated in plants
- Use of recycled plastic for the cover of the stop valve, some plastic parts in the indoor unit, and plastic parts of air purifiers.

Ocircular Product Design and Service Creation



2) Creating a Circular-Type Services

1)Subscription-based Business

- Daikin operates a subscription-based business in Japan and Africa, focusing on the direct recovery of air conditioners.
- Energy management can reduce electricity consumption and greenhouse gas emissions, while maintenance prevents refrigerant leaks.

2 Efforts to Recover and Recycle (Refurbish) Printed Circuit Boards at Daikin Sunrise Settsu

- Daikin has been involved in refurbishing printed circuit boards for more than 20 years, and it has supplied over 100,000 refurbished printed circuit boards in the last 10 years.
- P-boards recovered at service facilities nationwide are first sent to our subsidiary Daikin Sunrise Settsu Co., Ltd., (a joint venture employing people with disabilities) where they are assessed as a good or defective product.
 After ensuring quality by replacing worn parts to improve product durability, refurbished printed circuit boards are utilized for service use.

<Subscription-based Business in Africa>



Delivering Comfort to Tanzania and Contributing to the Environment

<Circularity of Printed Circuit Boards>

