Corporate Governance

Under the philosophy of the "Cycle of Goodness," we strive to enhance our corporate governance system in an effort to further enrich our corporate value.

Based on an organizational system in which the Board of Directors serves to make decisions on important matters, such as the company's management policy, and serves an oversight function, while the Audit & Supervisory Board serves as the company's auditing organization, we have adopted an Operating Officer System, a framework that helps the company undertake the execution of business and operations.



Chairman of the Board Chairman Representative Directo Hidemitsu Hori

Message from the Chairman of the Board

Toward a Board of Directors that Appropriately Assesses Risks and Opportunities and Encourages **Creation and Exploration**

YKK AP has established a Board of Directors as a body to oversee the implementation of strategies and to make corporate decisions. The Board deliberates and makes decisions on investment strategies for business expansion and human resource strategies. To ensure transparency and objectivity, the Board of Directors includes members from YKK, and external experts are added to the Audit & Supervisory Board in order to address increasingly complex compliance and risk issues. With regard to important matters, in order to ensure that decisions can be made through active discussion, the points for discussion are clarified at the Management Strategy Council before being brought to the Board of Directors.

One aspect of materiality emphasizes employee engagement at manufacturing sites. In general, discussions about work styles tend to focus on office workers, leaving employees

working in plants and factories out of the picture. However, as a manufacturing company, our employees on the shop floor are our lifeline. I know through my own roundtable discussions that each of them is a talented individual with outstanding technical skills and knowledge. We are in the process of discussing how to provide job satisfaction.

Discussions are also underway on measures to combat climate change. In order to realize the "contribution to the global environment" set forth in President Uozu's "Evolution 2030" vision, we are considering ways to further accelerate fuel transition in Japan, such as switching to carbon neutral methane and utilizing hydrogen and ammonia, and establishing recycling technologies for discarded aluminum and vinvl.

It is also important to strengthen the Board itself. Our company has always emphasized the importance of "continuing to grow." However, now that our share of the domestic window market has exceeded 50% and net sales have reached 508.6 billion yen, it is difficult to expect the same growth as in the past. To achieve our new targets, we need to create new businesses both domestically and internationally, develop new markets, and make a giant leap forward from our current growth curve.

In the future, large acquisitions and partnerships with foreign companies may also come into consideration. I myself visit startups in Japan and abroad to explore new business opportunities, and outside knowledge is indispensable in identifying risks and opportunities. In light of this, we hope to appoint an outside director who is well versed in overseas affairs within the next one to two years. Currently, the Board of Directors is composed entirely of men, and we are considering the appointment of female directors in order to have more diverse discussions at the Board meetings in the future. We are also considering the implementation of evaluation of the Board of Directors, including the methodology.

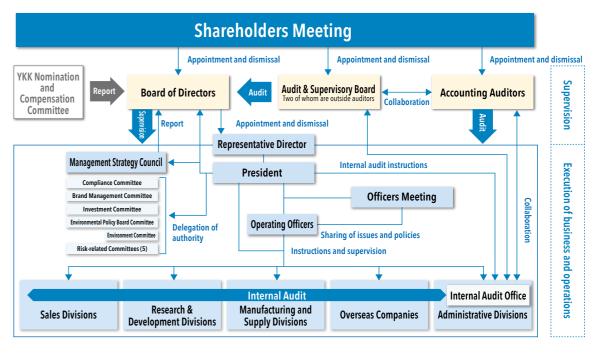
As Chairman of the company and of the Board, I will contribute to a new vision for YKK AP.







Corporate Governance System



Separation of management and execution

(Execution of duties by directors, Operating Officer System) Directors comply with the regulations of the Board of Directors and follow the rules regarding director duties, and appropriately carry out business based on the division of duties. They regularly attend compliance training offered by lawyers, etc., and submit to the company written oaths pledging to comply with laws and regulations in performing their duties as directors.

Main Committees for Executing Business/Duties

Compliance Committee

Chair: Kosuke Iwabuchi (Director and Executive Vice President, General & Administration): Members: 15

Number of meetings in FY2022: 2

We work to improve the compliance system of our company and subsidiaries. A compliance director is appointed, and he reports to the directors and audit & supervisory board members regarding the development of the compliance system and compliance status.

Brand Management Committee

Chair: Koichi Ebihara (Executive Vice President, Sales & Marketing); Members: 26 Number of meetings in FY2022: 5

This committee considers and formulates important policies for our company from a technical standpoint. It works to build the Company's brand, practice corporate activities based on the "Cycle of Goodness," and enhance our public outreach

Investment Committee

Chair: Kimihiko Yamada (Head of Accounting & Finance Department) Number of meetings in FY2022: 11 The committee reviews and discusses investment economics calculations, costs of capital, free cash flow. and sets ICPs for promoting carbon neutrality for significant investment projects. By going through review in the committee, these can be evaluated more efficiently by the Board of Directors meeting.

Environmental Policy Board Committee

Chair: Akira Uozu (President Representative Director); Members: 11 Number of meetings in FY2022: 1

Environment Committee

Chair: Shunichi Matsuda (Head of Safety & Environment Department); Members: 57 Number of meetings in FY2022: 4

The Environmental Policy Board Committee was established to develop our environmental policies and strategies, and to supervise the progress of our environmental measures. Also, the Environmental Committee promotes the policies of business execution divisions, plans and formulates measures, and supervises their progress

*Number of committee members as of June 2023

Evolution 2030

In addition, we have introduced the Operating Officer System to ensure the faster execution of business and operations via the separation of management and execution. While directors dedicate themselves to realize total optimization, operating officers execute individual businesses and operations with responsibility and authority, in accordance with the policies resolved in the Board of Directors meeting.

RISK-IEIALEU COMMITTEES (3) We have appointed a Chief Risk Management Officer (CRO) to promote YKK AP's risk management. We established a Quality Committee, Trade Management Committee, Crisis Management Committee, Information Security Committee, and Technical Asset Management Committee in order to maintain and enforce regulations.
◎Quality Committee Chair: Yoji Abe (Head of Quality Assurance Division); Members: 7
Number of meetings in FY2022: 4
©Trade Management Committee
Chair: Tetsuya Onodera (Head of International Division)
Number of meetings in FY2022: 3
©Crisis Management Committee
Chair: Osamu Anda (CRO); Members: 16
Number of meetings in FY2022: 3
◎Information Security Committee
Chair: Tetsuya Komori (Head of IT Department); Members: 9
Number of meetings in FY2022: 3
© Technical Asset Management Committee
Chair: Toshiyuki Nakaso (Head of Fabrication Technology Department,
Manufacturing Division); Members: 9 Number of meetings in FY2022: 3
· · · · · · · · · · · · · · · · · · ·

YKK Nomination and Compensation Committee

Members: 5 (including 2 outside directors) Number of meetings in FY2022: 10

An advisory body established within YKK and independent of YKK AP that deliberates and reports on the appointment and dismissal of directors, Audit & Supervisory Board members, operating officers, and executive specialists of YKK and YKK AP, as well as their compensation

Message from Chair of the Nomination and Compensation Committee





Enhancing Governance with a Highly Independent Personnel Structure

The YKK Group has set up the Nomination and Compensation Committee in YKK as an advisory body, and its members are appointed by resolution of the YKK Board of Directors. There may not be many privately held companies that have a nomination and compensation committee. However, at the center of the YKK Group's management principle, which was set forth by Tadahiro Yoshida, the second president of YKK and founder of YKK AP, is "fairness," which forms the foundation of the Value Action Standards. The idea that it is precisely because the company is privately held that decisions should be made fairly and transparently is deeply ingrained in the Group. Accordingly, an advisory board of outside experts was established in 1998, and a Nomination and Compensation Committee was established in 2008. The reason that YKK AP

does not have its own committee is to ensure that the entire Group is on the same page and that governance is effective.

The Nomination and Compensation Committee consists of at least three members, including one outside director of YKK, and currently has five members, two of whom are outside directors. To ensure independence, persons with executive responsibility are not included as members. The Nomination and Compensation Committeedeliberates on the election and dismissal of directors, Audit & Supervisory Board members, operating officers, and executive specialists, as well as their compensation, and reports back to the Board of Directors.

Regarding appointments, to ensure that the Board of Directors can properly fulfill its role, we check the balance of skills possessed by directors and formulate plans to appoint appropriate personnel. Discussions are also underway regarding skills matrices and the promotion of diversity, with the goal of strengthening the Board's governance and increasing its effectiveness. When appointing directors, the Nomination and Compensation Committee deliberates and formulates proposals under the basic prerequisite that candidates understand and practice the "Cycle of Goodness" that is the Group's corporate philosophy. The Nomination and Compensation Committee also held repreated discussions of this spring's change of president, and formulated a proposal to appoint Akira Uozu to the position.

Compensation, meanwhile, is considered based on the size and status of the business, while also referring to industry standards. In doing so, consideration is also given to changes to the employee salary system.



Management Principl





Chairman Representative Directo Hidemitsu Hori March 1981: Joined Yoshida Kogyo K.K. (nov

Chairman of the Board

YKK) 1989 to 2006: Served in the U.S.A. April 2007: Vice President April 2009: Senior Vice President June 2009: Director Senior Vice Presiden

June 2011: President Representative Director April 2023: Chairman Representative Directo (Current) lune 2023: YKK Director (Current)



Director and Vice Chairman Shinichiro Yamaji March 1981: Joined company April 2009: Vice President April 2013: Vice Presiden April 2017: Executive Vice President June 2020: Director, Executive Vice Presiden April 2023: Director, Vice Chairman (Current)

Director Executive Vice President, General & Kosuke Iwabuchi

March 1986: Joined company 1996 to 2009: Served in the U.S.A. and China April 2009: Vice President April 2016: Executive Vice President , June 2016: Director, Executive Vice Presiden (Current)

Message from a Nomination and Compensation Committee Member



Director (outside director), YKK Corporation Professor Emeritus, Keio University Professor Emeritus, Chubu Universit Keinosuke Ono

Advancing Discussions on Governance Reform based on Expertise

I have been involved in research and educational activities and in the administration of academic organizations for 50 years at two different universities. In addition, through the graduate school of management (business school) where I worked for 40 years, I have interacted with many business executives. In this committee, I will provide opinions and discuss issues regarding governance reform in a way that reflects the expertise I have acquired through my own experience, including on issues such as increasing the number of outside directors, defining the ideal officer skills matrix, and clarifying the criteria for nominating officers and the system for determining their compensation.



Director (outside director), YKK Corporation Professor, Hitotsubashi University Graduate School Erika Okada

I Hope to Give Advice as a Witness to Proper Process

I want YKK AP to be a company that creates new products and services with high potential for the future, leading to the creation of value for buildings. To this end, a long-term growth strategy will be important. I see my primary role as an outside committee member as being a witness to proper processes for nomination and compensation decisions, and I intend to provide advice on these matters as needed.



Directo Fumio Niizeki March 1977: Joined Yoshida Kogyo K.K. (now

YKK) April 2012: Vice President June 2014: Director, Vice President April 2016: Director, Executive Vice President April 2022: Director (Current)



Directo Wataru Otani March 1981: Joined Yoshida Kogyo K.K. (now

YKK) April 2001: YKK Vice President April 2004: YKK Senior Vice President June 2004: YKK Director, Senior Vice President April 2009: YKK Director, Executive Vice President (until June 2018) June 2018: Director, Executive Vice President April 2023: Director (Current)



President Representative Director

Akira Uozu

March 1985: Joined company April 2013: Vice President April 2021: Senior Vice President June 2021: Director, Senior Vice President April 2022: Director Executive Vice President April 2023: President Representative Directo (Current)



Director Executive Vice President, R&D and Technology Shuichi Mizukami

July 1985: Joined Yoshida Kogyo K.K. (now YKK) April 2009: Executive Chief Engineer

April 2010: Vice President June 2020: Director, Vice President April 2021: Director, Senior Vice President April 2022: Director, Executive Vice President (Current)



Director CHRO (Chief Human Resources Officer)

Kazuo Matsutani

March 1981: Joined Yoshida Kogyo K.K. (now

April 2009: Vice President June 2016: Director, Vice President April 2018: Director, Executive Vice President October 2021: Director, Executive Vice President, CHRO April 2023: Director, CHRO (Current)



Director Chairman, YKK Corporation Masayuki Sarumaru

March 1975: Joined Yoshida Kogyo K.K. (now 1977 to 1994: Served in the U.S.A. June 1999: YKK Vice President April 2003: YKK Senior Vice President June 2008: YKK Director, Executive Vice President June 2011: YKK President Representative Director April 2017: YKK Vice Chairman Representativ Director June 2018: YKK Chairman Representative Director (Current) June 2020: Director (Current)



Executive Vice President, Manufacturing and Head of Manufacturing Div

Hiroshi Abe

March 1985: Joined company April 2014: Vice President April 2021: Senior Vice President April 2022: Executive Vice President June 2023: Director, Executive Vice President (Current)

The Board of Directors deliberates and resolves on important matters, determines management policies, and supervises the execution of business operations. Currently, the Board has 10 directors (no more than 10 members), and the main results of deliberations in FY2022 are shown on the right. In order to promote active discussions, important matters are discussed at the Management Strategy Meeting before being brought up at the Board of Directors' meeting, external Audit & Supervisory Board members (outside experts) attend and state their opinions, and the chairman, president, and Audit & Supervisory Board members exchange opinions (three times in FY2022).

In order to improve the function of the Board of Directors, we are considering appointing not only Audit & Supervisory Board members but also outside officers as directors to increase the Board's transparency going forward.

Board of Directors Meetings in FY2022

Number of meetings	15 times (including extraordinary meetings)
Average number of agenda items	8.25
Average time per meeting	3.2 hours
Main agenda items and reporting items	Matters related to the Shareholders Meeting Matters related to directors, operating officers, and executive specialists Matters related to personnel and organizations Matters related to business Matters related to the disposal and transfer of important assets Matters related to subsidiaries and major affiliated companies

YKK Philosophy -"Cycle of Goodness P4

➡ Co P33

Human Rights and Human Resources

Approach to and engagement with human rights

Formulation of the YKK AP Human Rights Policy

In accordance with the "Cycle of Goodness" approach, we respect the human rights of every individual stakeholder in every country and region. In FY2023, the YKK AP Human Rights Policy was formulated in line with the revision of the YKK Group Human Rights Policy . YKK AP has set out its own Human Rights Policy Statement that, while sharing the fundamentals of the YKK Group policy, takes into account the human rights issues that arise in relation to YKK AP's business activities. Accordingly, we will further strengthen our efforts to fulfill our corporate social responsibility by appealing not only to our employees but also our business partners.

Establishing a Human Rights Working Group to promote internal understanding

In FY2022, the company established a Human Rights Working Group (WG) as part of the Compliance Committee, and is strengthening its efforts by integrating the human rights initiatives from our past business activities into the entire company. In addition to promoting understanding of the current situation through assessment of new human rights risks and evaluating their level of importance and severity, from FY2022 to FY2023, we are conducting video training on "Business and Human Rights" for all employees to raise awareness of human rights and promote understanding within the company.

YKK AP Human Rights Policy

- Values
- Scope
- Commitment to human rights
- Organization and governance
- · Human rights due diligence
- Human rights education
- · Corrections and remedies
- Ensuring transparency/communication
- Maintaining initiatives for respecting human rights
- The details of YKK AP Human Rights Policy are available on our website https://www.ykkap.co.ip/company/ip/sustainability/humanrights

Audit & Supervisory Board and Members (as of June 2023)



Chair of the Audit & Supervisory Board Audit & Supervisory Board Member (outside)

Fuminao Hachiuma

April 1983: Joined Ajinomoto Co., Inc. June 2013: Executive Officer of same June 2015: Executive Officer & Vice President J-Oil Mills, Inc. President and Representative Director June 2016: Representative Director, President, and CEO of same April 2022: Director of same (until June 2022) May 2023: Outside Director, Seven & i Holdings Co., Ltd. (Current) June 2023: YKK AP Outside Audit & Supervisory Board Member (Current) Outside Director, Subaru Corporation (Current)

Audit & Supervisory Board Member (full-time) Hisao Miyamura March 1978: Joined Yoshida Kogyo K K (now

2002 to 2008: Served in China April 2008: YKK Vice President (until March June 2018: Full-time Audit & Supervisory Board

Member (Current)

The Audit & Supervisory Board, which consists of four Audit &

Supervisory Board members, held 14 meetings in FY2022 to

audit the execution of duties by directors from the standpoint

of legality and propriety. They also attend major meetings such

as the Board of Directors Meeting, express opinions as

necessary, and visit each location to conduct audits in

April 2009: YKK Executive Chief Specialist June 2013: Outside Audit & Supervisory Board YKK Full-time Audit & Supervisory Board Member (Current)

Audit & Supervisory Board Member

June 2016: Audit & Supervisory Board Member (Current)

Audit & Supervisory Board Member (outside Mina Sekiguchi April 1993: Joined Arthur Andersen L.L.P. Dallas

June 2022: Managing Partner, Resonancia LLC (Current) Outside Director, Penta-Ocean Construction Co. Ltd. (Current) July 2022: Outside Director. Trainocate

Holdings, Ltd. (Current) September 2022: Auditor, Japan Atomic Energy Agency (Current) October 2022: Outside Director, EX4Energy, Inc. (Current) June 2023: YKK AP Outside Audit & Supervisory

Board Member (Current)

accordance with the audit policy. Two of the Audit & Supervisory Board members are invited from outside the company. With a high level of insight, experience, and expertise in corporate management, they conduct audits from an objective and fairminded stance.



YKK Corporation Audit & Supervisory Board Member (full-time) Kiyotaka Nagata March 1979: Joined Yoshida Kogyo K.K. (now April 2008: YKK Vice President

Operation of a whistleblowing system and continued activities to increase employees' awareness

The YKK Group implemented the "YKK Group Whistleblowing System" in 2006, establishing a system that enables individuals to consult with/report to consultation desks inside and outside the company anonymously regarding behavior that violates laws, work regulations, or internal rules. We are working to make all users aware of it. In addition, from the perspective of protecting whistleblowers, we have prohibited treating individuals disadvantageously due to their consultation.

By aiming to prevent the occurrence of illegal actions and to address them guickly if they do occur in the process of conducting business activities, the whistleblowing system is intended to serve as a structure for firm compliance. In addition to establishing a "grievance mechanism" to provide relief to those involved with the company from human rights violations arising from corporate activities, etc., we have also established a consultation desk to address workplace environment, mental health concerns, and the mental and physical health of our employees.

We have also implemented whistleblowing systems at overseas companies and have established a system for consultation/notification.

Human rights issues related to business activities

- · Prohibition of child and forced labor
- · Prohibition of discrimination, harassment, and abuse
- · Respect for freedom of association and the right to collective bargaining
- · Understanding of customs and compliance with laws and regulations
- · Respect for diversity
- · Health and safety
- Hours and wages

Promoting Diversity

YKK AP has issued the "Diversity & Inclusion Declaration" with the aim of utilizing the diversity of human resources to create new value and increase our future competitiveness in the international community.

In particular, as priority issues, we are striving to strengthen the hiring of female employees and support their career development, as well as to expand and entrench the employment of persons with disabilities.

Creating a work environment for a diverse range of personnel to play an active role

We are working to create an environment and design systems that enable a diverse range of personnel to play an active role, such as easing restrictions on dual/secondary employment and introducing a shortened working hours system. In FY2022, we also conducted a "Job Satisfaction and Workplace Diversity Questionnaire" to ascertain the actual situation regarding balancing work and nursing care. Going forward, we will work to reduce anxiety over nursing care and improve the ease of balancing it with work.

Promoting the active participation of women

The "AP Women's Career Development Program, a career development support program for female employees under the 6th Mid-term Management Plan, provides support for the longterm career development of participants through various training programs such as career training, internal exchange meetings, and the operation of a mentor system. In FY2022, 256 people, who were recommended from each workplace as candidates to be leaders in the future, participated.

Diversity initiatives

	Step 1 (Past) Accept diversity	Step 2 (Present) Management from diversity to value creation	Step 3 (Future Vision)	
	Compliance with laws/rules	Focus on superficial characteristics	Create value	
Educational background	Labor Standards Act	Hiring of human resources with a variety of career backgrounds; fair evaluation		
Age	Act on Stabilization of Employment of Elderly Persons	Abolition of mandatory retirement age system: Hiring regardless of age, gender, or nationality	Equal role Equal results Equal treatment	
Gender	Act on Securing, etc., of Equal Opportunity and Treatment between Men and Women in Employment Act on Promotion of Women's Participation and Advancement in the Workplace (2016)	Promotion of the active participation of women; promotion of women for management positions/section manager-level positions		
Nationality	Immigration Control and Refugee Recognition Act (Illegal employment)	Proactive hiring of foreign nationals	Utilize the characteristics of individuals, create new value, and contribute to business	
Disabilities	Act on Employment Promotion etc., of Persons with Disabilities	• Creating opportunities for people with disabilities that leverage their capabilities: FY2022: 2.32%		
Working style	Labor Standards Act	Achievement of work-life balance ● Encouragement of male employees to take childcare leave: FY2022:73.2% ● Encouragement to take paid vacation: FY2022:71.3% → FY2024 targets:80.0% ● Total actual working hours / FY2022: 1,974 hours	Enhancement of work and life	

Voice Comments from AP Women's Career Development Program participant



roduct Development, International Business oduct Research & Development Divisio Sari Sasaki

I participated in AP Women's Career Development Program for two years between 2021 and 2022. Listening to the stories of senior employees working in management positions while experiencing childbirth and childcare, as I did, I realized that the important thing is to establish systems that allow both family and work to run smoothly. Through this experience, I have been able to think from a higher perspective in terms of how to utilize limited resources and how to develop human resources as an organization.





I took a year of childcare leave after the birth of my second and third children, a set of twins. I am grateful for the strong support I received from my workplace, including the creation of a backup framework for the entire organization. I was also impressed by the fact that operations were streamlined to fill the holes left by my absence, and the organization was stronger upon my return. I did not feel too rusty after returning to work, and I am now in a role with more responsibility than I had before I took childcare leave

Human Resources Strategy

We are working to create systems and environments in which each and every employee can demonstrate their full potential. In FY2023, we have set "efforts to improve employee engagement," "development and training of human resources to create new value," and "development and retention of innovative human resources" as our priority issues, and by improving our human resource system and implementing a human resource strategy, we will realize a pleasant and fulfilling work environment.

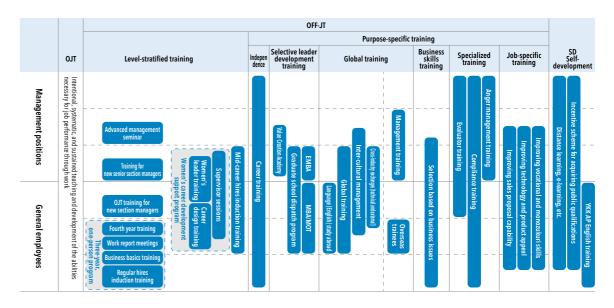
Salary revisions, allowances for specific duties, and qualifications

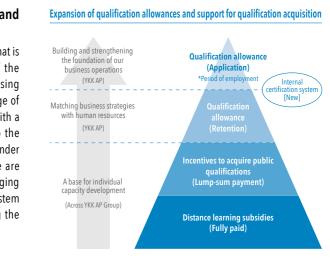
We have been working toward an appropriate wage level that is competitive in the market, and in FY2022, in light of the government's wage hike policy, ven depreciation, and rising consumer prices, we revised salaries upward by an average of 3% for general employees and provided all employees with a special lump-sum payment. In FY2023, in addition to the provision of specific duty allowances and other benefits under the newly established internal certification system, we are revising salaries upward by an average of 6%. In encouraging the acquisition of qualifications, we are expanding the system by removing the age limit for eligibility and increasing the qualification allowance.

Enhancement of training systems

We are enhancing our internal training system to develop personnel who can contribute to our business and organization and improve their individual skills. In addition to the "Value Creation Academy," which aims to develop the business leaders of the future, level-stratified training for newly appointed managers, we have established a six-month English language

Diagram of the Training Scheme for FY2023





training program for self-development, and subsidize the cost for employees who wish to attend. Moreover, with the abolition of the mandatory retirement age system and the decision of when to retire being left to the individual, the company provides "career training" for employees to reflect on their own careers.

Dialog with employees

We hold "roundtable meetings," in which the president and other directors engage in direct dialogue with employees, as well as site visits and interviews, in which employees from headquarters and business units gather information on issues in various regions and workplaces. Employee feedback obtained through dialogue is being reflected in a variety of measures, including the establishment of a career consultation desk and the introduction of a "shared mentor system." In addition, the YKK Employee Stockholding Association holds a biannual meeting to report on business results and for employees to ask guestions of the directors.

Open call for new business themes and promotion leaders

In order to develop new areas and fields that contribute to sustainable growth, in FY2022, under the leadership of the CHRO (Chief Human Resources Officer), we held an internal call for new business themes and the leaders who will be responsible for promoting them. Employees of all ages contributed ideas that were not confined to existing business fields, and three leaders were selected from among them to work toward the commercialization of these ideas. In FY2023, they will be assigned to the newly established "New Business Development", where they will further evolve their proposal topics and search for new business themes.

Graduate school dispatching and MOT/MBA overseas studies

Aiming to develop the next generation of business leaders, we dispatch employees to graduate schools (PhD/master's programs) in Japan and overseas and provide support for MOT/ MBA study abroad. Research topics are not limited to our current business, and we also proactively recommend themes that will become even more critical in the future, such as robotics, Al/machine learning, DX, next-generation environmental response, etc. We aim for diversified ideas as an organization by helping employees to gain specialized knowledge and a multifaceted perspective that expand beyond the framework of the company. We dispatched 14 employees in FY2022, for a cumulative total of 31 employees.

Further, in addition to recommending the acquisition of doctorates, etc., we are implementing collaboration between recipients, with organizations within the company, and with universities and research institutes, and we operate the "AP PhD Holder Association" with the aim of further revitalization. In FY2022, YKK and YKK AP PhD holders held a technical exchange meeting to share technical information and technical issues in

their fields of expertise.



nvironment, Energy and Analysis Technology Yohei Tsukamoto

I received my Ph.D. from the Graduate School of Kobe University, where I conducted research on methods for predicting the sound insulation performance of double-glazed windows. Sound insulation testing to evaluate windows' sound insulation performance can be very costly and time-consuming. For double-glazed windows with significant sound insulation effects, I conducted a study based on the theory of doublepanel sound insulation and proposed a practical method for predicting sound insulation performance. I hope to continue working on internal and external architectural acoustics issues and contribute to the creation of comfortable spaces.

Health Management

We view the health of our employees and their families as a management issue, and under our "Health Declaration" adopted in 2018, we have promoted the establishment of a healthy environment, etc., to reduce lifestyle-related diseases and control psychological disorders. As such, we have been recognized as a "2023 Certified Health & Productivity Management Outstanding Organization (Large Corporation Division)."

Details of the YKK AP Health Declaration are available on the website. https://www.ykkap.co.ip/company/en/sustainability/health/

We have also established a health consultation service both inside and outside the company to promote the maintenance of employee physical and mental health. Inside the company, employees can consult with industrial physicians at business locations and nurses at health management centers, at any time. We also work with external organizations to provide appropriate mental healthcare for employees through counseling by e-mail, by phone, and via remote interviews.

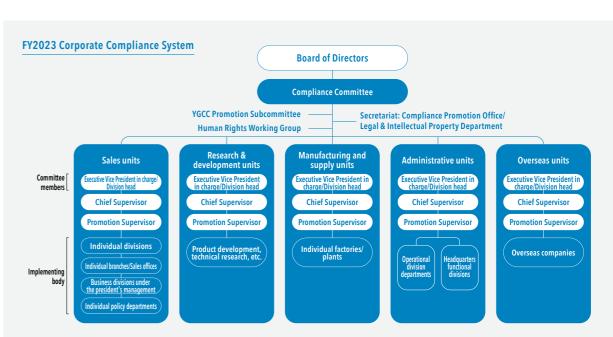
Details of Human Rights and Human Resources are presented in our Sustainability Data Book. (in Japanese only) https://www.vkkap.co.ip/company/ip/sustainabilitv/data/social/

Compliance

Corporate Compliance System and Education

We have established a Compliance Committee to promote the YKK AP Group corporate compliance system. Divided into five units, this system promotes the compliance activities of YKK AP and affiliated companies. Each unit is working independently to enhance monitoring, including compliance with rules, regulations, and guidelines.

In addition to regularly holding compliance training for



Standards for Compliance Activities: "YKK Global

we have been promoting the establishment of YGCC operation Criteria of Compliance" while accommodating new business sites. In FY2019, YKK AP introduced the YKK Global Criteria of We regularly carry out YGCC audits such as self-inspection Compliance (YGCC), the YKK Group's compliance standards and internal audits. Standardized monitoring contributes to based on the YKK Philosophy and ISO 26000, and the adoption reduction of on-site workloads by eliminating duplicate of the YKK Global Criteria of Compliance at major sites in Japan monitoring items. and overseas was completed in FY2021. From FY2022 onward,

YKK Global Criteria of Compliance (YGCC)

Seven Core Themes	YKK Group Commonalities				Items Specific to YKK AP's Busines
Related to ISO 26000	(1) Management System	(3) Working Hours and Wages	(5) Environment	(6) Fair Business Practices	(7) Contract Construction Work
(1) Organizational Governance	- Business Licenses	- Working Hours	Environmental Management System	Fair Competition	Management System
(2) Human Rights	- Social Compliance Policy	- Wages and Benefits	Energy Consumption and	- Anti-Bribery	Labor Conditions
(3) Labor Practices	Social Compliance Committee	(4) Health and Safety	Greenhouse Gas Emissions	Confidential Information Protection	Hours and Wages
(4) Environment	Opinions from the Employees	Health and Safety Management System	-Water Use	Non-Competition Obligation	Health and Safety
(5) Fair Operating Practices	Whistle-Blowing System	Emergency Planning & Fire Safety	Waste Water Discharge and Effluents	Personal Information	Environment
6) Consumer Issues	Compliance Violations	Medical Services	•Waste Management	Intellectual Property	Fair Business Practices
7) Community Involvement	(2) Labor Conditions	Sanitation/ Hygiene	Atmospheric Emissions	Accounting and Tax Preparation	
and Development	Child Labor	Physical Hazards	Chemical Management	Antisocial Forces	
	- Forced Labor	Chemical Hazards	2	Supplier Management	
Customer Requests	- Discrimination	Structural Integrity		Foreign Trade	
Supplier Code of Conduct	- Discipline, Harassment or Abuse	Dormitory and Canteen		Subcontracting	
Corporate Activity Guidelines	- Freedom of Association and Collective Bargain	ing		•	
	Regular Employment/ Employment Contract	-			

Details of Compliance are presented in our Sustainability Data Book. (in Japanese only) https://www.vkkap.co.ip/company/ip/sustainability/data/governance/

corporate officers, at least two hours of compliance training is provided to all employees each year. For persons heavily involved in compliance work, we also provide education in specialized fields led by the relevant specialized departments and committees (HR, purchasing, environmental safety management, trade management, information security, technical asset management, the environment, etc.).

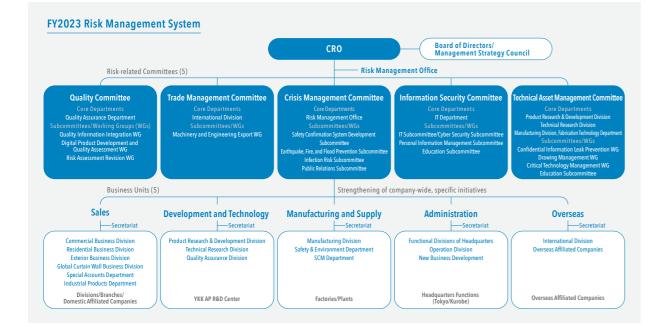
Risk Management

Strengthening of the risk management system

YKK AP has formed five risk committees to enhance the risk management system and establish a governance system for emergencies. We have also created regulations for each committee and are operating them accordingly.

In FY2022, with the aim of improving preparedness for increasingly diversified risks and strengthening our measures for business continuity (BC), we changed the persons

responsible for individual organizational units (Executive Vice Presidents and Division Heads) from "Crisis Management Committee Members" to "Business Continuity Management (BCM) Committee Members." We will enhance our resilience by strengthening cooperation between individual divisions and the Risk Management Committee, preparing a business continuity plan (BCP) for ordinary circumstances, and ensuring smooth operations in the event of an emergency.



BCP initiatives

In preparation for disaster and risk occurring, we have formulated BCPs at all locations in Japan and overseas. In addition, for the purpose of prompt implementation of the BCPs, in FY2022 we reviewed and updated the Business Continuity Management (BCM) Regulations. In FY2023, we plan to further instill this along functional axes and on a regional site basis.

We carry out regular disaster drills every year to increase the effectiveness of the BCPs. In addition, in FY2022, in response to changes in work styles, such as telecommuting and commuting

directly between home and work sites, the CRO led the distribution of a "Natural Disaster Risks and Countermeasures" video via a web-based internal newsletter.

We are also enhancing our ability to guickly identify and address risks in procurement. In addition to purchasing materials from multiple suppliers, understanding and improving the supply chain, and securing inventories of critical management items in case of emergencies, the research and development, manufacturing, and purchasing divisions work together to set up alternative sources of supply, and other efforts taking the BCP into account are conducted from the product development phase.

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Measures and initiatives to address risks in procurement

Risks	Countermeasures	Initiatives		
Weather and disasters (earthquakes, typhoons, cold spells, etc.)	Alternative materials, multi-company purchasing, inventory	(1) Selection of alternative materials		
Politics (wars, conflicts, economic sanctions)	Exclusion from purchasing	(2) Multi-company purchasing system (3) Inventory measures (4) Cost reductions, sale prices, and other business strategies		
Economy (supply-demand balance, exchange rates)	Alternative materials, multi-company purchasing, inventory			
Ethical and legal issues (human rights, the labor environment, information security, subcontracting support)	Exclusion from purchasing, legal compliance	(5) Conclusion of agreements on the Basic Transaction Principles(6) Change of internal systems (rules and regulations, appraisals)	s (7) Implementation of CSR surveys (8) Changes in the management system for contracted and temporary employees	
Supply chain (legal compliance, competitiveness, stable supply)	Inspection, evaluation, restructuring	(9) Supply chain restructuring	(10) Compilation of BCP data	

Risk map development and selection of key risks

We assess the risks surrounding the business and create a risk map according to changes in the environment, the urgency of response to the risks, and the expected scale of damage. In FY2022, we reviewed our risk map from the following three perspectives: (1) reviewing risk items including key risks, (2) clarifying risk levels, and (3) identifying efforts by related

Response to main key risks

Threat of natural disasters (earthquakes, tsunamis, typhoons, torrential rains)

External environment and potential risks

Damage caused by large-scale earthquakes, windstorms, or flooding at our business sites, or similar damage at our business partners, etc., may lead to slowdowns in our business activities.

Natural disasters may result in the death or injury of employees, damage to facilities, etc., leading to reduced production capacity, as well as replacement and restoration costs for equipment, company buildings, warehouses, and production lines, etc. In addition, there is a risk that business activities may be hampered by outages to critical infrastructure and disruptions to logistics. These slowdowns may lead to customers and business partners moving to competitors.

Initiatives

- •In the event of a disaster, a company-wide BCP task force headed by the president is established. BCM Committee members will serve as the heads of BCP task forces for their respective functions, and will oversee, direct, and generally manage the emergency response.
- •The Crisis Management Committee, which oversees the entire company as an organization to deliberate and decide on policies and measures for business continuity, with the head of each functional unit serving as a member of the BCM Committee, will be responsible for handling the situation



→ Materiality



I believe that in the implementation of risk management activities, it is important to secure the human resources to Vice President, CRO perform the work. Going forward, we are planning to strengthen Osamu Anda both operational and physical aspects of the BCM implementation framework in each country and region, "We aim to build a resilient organization." including the implementation of education and training To realize one aspect of materiality, a "Resilient Business programs for all employees, and the provision of centralized Foundation," in FY2022, we reviewed and updated our Business information. In addition, in order to develop human resources Continuity Management Regulations for the first time in eight with a high sensitivity to risk, we have established a team, years. We are aiming to acquire appropriate business continuity consisting mainly of young employees, which will take an active capabilities for major contingencies, with the goal of promptly role in addressing risk. We will further strengthen our implementing an initial response and BCP on an all-hazards foundation by enhancing our efforts made during ordinary basis, including in the event of major natural disasters, severing circumstances.

Details of Risk Management Resources are presented in our Sustainability Data Book. (in Japanese only) https://www.vkkap.co.ip/company/ip/sustainability/data/governance/

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divisions to address key risks.

Risks that have a significant impact on our business are positioned as key risk items, and as a result of this review, the three items of "cyber attacks (information security)," "supply chain (changes in the economic environment)," and "environmental regulations" were upgraded in risk rank, and specific measures are now being implemented.

Cyber attacks (information security)

External environment and potential risks

Company secrets and other confidential information may be lost or leaked due to computer virus infections, unauthorized access, or other causes. In addition, cyber attacks, outages of telecommunication services, etc., could bring down information systems and shut down all our businesses.

With the recent progress of DX and the expansion of remote work, information systems have more network connection points with internal and external parties than in the past. Environmental changes have heightened the possibility of disruption of business activities due to forced shutdowns or loss of corporate secrets, etc., caused by malicious external intrusion into information systems

Initiatives

- •Establish and operate an IT-BCP (including at domestic and overseas affiliated companies
- •Implement IT security management measures (cyber security and SIRT response)
- •Strengthening response by setting up subcommittees in the Information Security Committee for specific roles.

of the supply chain, cyber accidents, spread of infectious diseases, etc.

Environmental Management

Environmental initiatives

YKK Group has established the "YKK Group Environmental Vision 2050," which maps out the long-term orientation of our environmental initiatives. Under this policy, YKK AP has established its vision for 2050 of "achieving zero environmental impact in our business activities throughout the entire product lifecycle."

In the Mid-term Environmental Policy for FY2021 to FY2024, we have set environmental targets for the entire value chain with the aim of resolving and contributing to the resolution of the environmental issues of "climate change," "resource recycling," "water," and "biodiversity," and are working to achieve them.

As the structure for promoting these activities, the "YKK AP Environmental Policy Board Committee," chaired by the president, formulates and approves environmental policy and strategy from a management perspective. Under that policy, the "YKK AP Environmental Committee" incorporates the environmental policy into sales, research & development, manufacturing, management, and overseas divisions.

In addition, to confirm the progress of these environmental policies and environmental compliance, we conduct annual internal environment audits. We have also acquired ISO 14001 certification at all locations in Japan and at eleven locations overseas, and are continually working to increase the level of environmental management. In April 2023, we were certified as an "Eco-First Company" by the Minister of the Environment in recognition of our position as an environmentally progressive company in the industry.

YKK AP Environmental Management Policy (FY2021 to FY2024)

Creating environmental value at every stage of the lifecycle: Toward a brighter future for nature and humanity

With the intention to make a better society and environment for the next generation, YKK AP will take on the challenge of creating new value and achieving zero environmental burden, through technical innovation.

- We will strive to contribute to resolving environmental issues throughout the value chain and reducing the environmental burden.
- We will address climate change, resource recycling, water, and biodiversity as environmental issues.
- We will create new environmental value with an eye toward the future, on a foundation of diverse human resources

The history of YKK AP's environmental activities and future vision for 2050

1990 1995	2000 20	05 2010	2015	2020	2030…2050 (Year)
	The 5th Mid-term	Environmental Management Policy –	→ The 6th Mid-t	erm Environmental Mana	gement Policy 🖛 Long-term goals
Observance of compliance	Response to recycling oriented society	Response to sustainable society Low-carbon, resource recycling, coexistence with nature	susta Simultane	esponse to inable society eous pursuit of business and the environment	Achievement of a sustainable society Decarbonization, circulation, coexistence
YKK Group Environmental Pledge (1994)] Response to/compliance with environmental laws and regulations Establishment of the environmental management structure ISO 14001 certification (the first certified in YKK AP: M&E Center (1998))	Establishment of the YKK AP Environmental Committee Development/promotion of eco-products Continued reduction of the environmental burden (energy conservation, 3Rs, chemical agents) Environmental communication and education Creation of an environmental management system Social Environment Report (since	oporav	rri stages of t icts; Increased reductior ·Global ac environm ral ·Environm everyone n	nvironmental value at all he lifecycle d contribution to the of CO ₂ tivities to reduce the nental burden nental activities with participating	Achievement of "zero environme burden" throughout the entire lifecycle in business activities • Achievement of zero CO ₂ throughout the lifecycle in proc and monozukuri • Use of renewable/recyclable materials • Expansion of coexistence with nature and the community

FY2024 environmental targets (relative to FY2013)



Disclosure of information under the TCFD recommendations

YKK AP has endorsed the Task Force on Climate-related Financial Disclosures (TCFD) since FY2019. reflect the results in our management strategies.

Governance	YKK AP has a Board of Directors as the decision-r Supervisory Board as the company's auditing orga business and operations. In particular, sustainability issues are addressed activities by formulating policies from a compan group companies. The Environmental Policy Board Committee, whice ESG General Meeting, formulates and approves of perspective, and monitors their progress. The " manufacturing and sales sites in Japan and overs audits.				
	In line with TCFD re poses to YKK AP.	commendation	s, we are identi		
	Туре	e			
	Transition risks	Reputation	Loss of corpo		
		Market	Increased cos		
Strategy		Urgent	Increased dar		
	Physical risks	Chronic	Reduced ear company pla		
			Restrictions o		
	Opportunities	Products/	Increased der		
	oppontantito	Services	Increased der		
Risk management	Risks related to the business as a whole are assess each risk is managed by the relevant committee. identified as key risks and incorporated into the Environment Committee and the Crisis Management				
Indicators and targets	In order to achieve carbon neutrality, we have so formulated an environmental action plan to ach Integrated Report and Environmental Report.				

Manufacturing and Logistics Sales Installation Product Use		[People]
climate change f CO ₂ emissions by 20% (scopes 1 + 2: Reduction of CO ₂ emissions by 36% Achievement of zero-CO ₂ model factories		17 PATHERSHIPS FOR THE CARS
recycling rate for external products nternal recycling rate Utilization of outside company Reduction of waste emissions by 32% ng materials (relative to FY2016)		Customers • Showrooms link to the communi
damage from windstorm and flooding Reduction of total water usage by 32%	×	Society • Education of the next generation • Contribution to to local community
chromium-free products		 Employees Environmental activities with even

• Achievement of factories that are in harmony with local nature

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ntal ith everyon participating

In relation to both climate-related risks and opportunities, we conduct scenario analysis of the impact on our business and finances and

making and oversight body for important matters such as management policy, an Audit & ganization, and an Operating Officer System to help the company promote the execution of

by the "ESG General Meeting," chaired by the president, which conducts cross-functional ny-wide perspective and rolling them out to related divisions and domestic and overseas

ich is chaired by the president and has jurisdiction over the environmental area within the environmental policies and strategies, including on climate change, from a management "Environment Committee" rolls out these environmental policies and strategies to our seas, and confirms how they are being implemented through mutual internal environment

tifying and assessing the significant risks and opportunities that the issue of climate change

Financial impact on YKK AP

prate value due to delay in responding to public demands, such as carbon neutrality osts due to energy resource depletion

mage from natural disasters, supply chain fragmentation

arnings due to higher average temperatures causing higher air conditioning costs at ants and higher raw material prices

on business activities due to water shortages caused by reduced rainfall

emand for high thermal insulation products

emand for carbon-free and recycled-resource products (e.g., recycled aluminum)

sed and reviewed once a year, prioritized by "size of loss" and "frequency of occurrence," and e. Climate change-related risks (natural disasters, environmental regulations, etc.) are also e management process, with policies developed and monitored on a global basis by the nent Committee.

set medium- and long-term goals certified by Science Based Targets initiative (SBTi) and hieve them in conjunction with our mid-term business plan. Progress is disclosed in the

Taking on the challenge of carbon neutrality

We have set our own greenhouse gas reduction target for FY2030 at 50% below the FY2013 level. In February 2021, this target was certified by the international organization Science Based Targets initiative (SBTi). Under the "Evolution 2030" vision, YKK AP aims to reduce its emissions by 80% by FY2030 and by 100% by FY2040, and we will strengthen our efforts to achieve these goals ahead of the certified schedule.

In FY2021, we launched the "Carbon Neutral Project" with an

executive vice president as project leader. A carbon neutral technology roadmap has been developed, and six working groups, with young engineers participating, are developing technologies to achieve decarbonization.

Furthermore, by reducing the energy used for heating and cooling through the popularization of high thermal insulation products, we will contribute to carbon neutrality not only for our own company but also for society as a whole.



Scope 1 and 2 initiatives

We are working to reduce the amount of fuel used in our manufacturing processes. In addition to improving the efficiency and energy-conservation performance of our production facilities, we are electrifying our heat source equipment and switching from liquid fuels to natural gas. Furthermore, we are using existing technologies to develop and demonstrate the use of hydrogen, ammonia, and other substances in our gas burners.

As such, we are working on both energy saving and energy creation. In terms of energy creation efforts, we are working to introduce solar power generation (installed on rooftops, fields etc., at seven plants and factories in both domestic and overseas), hydroelectric power generation (using the power of water flowing through pipes), biomass power generation and boilers (using wood waste produced during manufacturing for in-house consumption), and wind power generation (using exhaust wind inside factories). We have tripled our investment in renewable energy relative to FY2020 levels and are stepping up our efforts accordingly.

In order to measure our progress in reducing CO₂ emissions, we established a database to visualize CO2 emissions by identifying the energy consumption of each piece of equipment at the manufacturing stage. In product development, we have introduced the "Environmentally Friendly Design Evaluation Sheet," which relates CO₂ emissions to evaluation criteria during design and development.

Scope 3 initiatives

Scope 3 emissions account for the majority of the CO₂ emissions associated with YKK AP's business activities across the supply chain as a whole. Of these, emissions from the

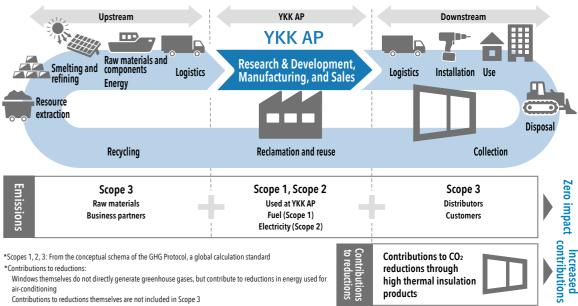
procurement of materials used in the manufacture of products account for 80% of the total. In particular, the procurement (mining, refining, and overseas transportation) of aluminum ingots used for aluminum products and other products has a significant impact, and increasing the utilization rate of recycled materials (re-used raw materials such as aluminum scrap recovered from the market) will have the greatest impact toward achieving carbon neutrality.

All aluminum scraps generated in the manufacturing process are reused, and we have already achieved an internal recycling rate of 100%. We also aim to achieve a 100% recycling rate for market-obtained aluminum scrap generated outside the company. In September 2023, an aluminum recycling furnace will start operation at the Shikoku Plant, and we plan to install the same equipment at other manufacturing sites in the future.

In addition, we will work toward technical progress in aluminum recycling through co-creation between industry, government, academia, and the private sector. We are involved, as the lead company, in the "Creation of a Toyama Resource Recycling Society Model," an industry-academia fusion hub concept project to revitalize aluminum-related industries in Toyama Prefecture, led by the University of Toyama.

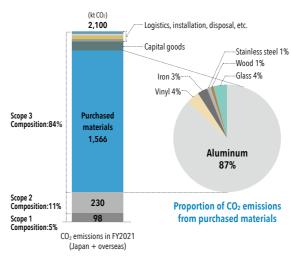
In regard to logistics, we have introduced double-trailer trucks for transportation over land, increasing the amount of cargo transported at once by 1.8 times the previous level. By introducing "trunk line relay transportation," which includes consolidating transportation routes and improving loadability by combining partial loads, "secondary delivery," which includes joint delivery and alternate-day delivery, and "modal shift," which includes using railroad containers, we are making ongoing efforts to reduce CO₂ emissions.

Lifecycle of YKK AP products and CO₂ emissions



Breakdown of YKK AP's CO₂ emissions (FY2021)

In the supply chain as a whole, procurement of materials (refining, etc.) under Scope 3 accounts for a large proportion of emissions, and aluminum materials account for a large proportion of these

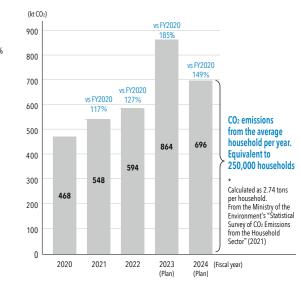




Aluminum, also known as "electricity in a can," requires a large amount of electricity for electrolysis to refine it from aw materials such as bauxite. However, pecause aluminum can be remelted using only a small amount of energy, aluminum recycling plays a very important role in educina CO₂ emissions

Contributions to CO₂ reductions through high thermal insulation products sold in Japan

Sales of high thermal insulation products can be said to contribute to CO₂ reductions in society as a whole



*Applicable products (equivalent to sustainable products) Vinvl windows: APW 430, APW 330, PLAMADO H Composite windows: APSWORD, APW 410 Vinvl inner windows: Mado Remo - PLAMADO U Inner Window Thermal insulation doors: InnoBest, Venato D30, Kantan Door Remo, Concord S30 Commercial building thermal insulation windows: EXIMA 37, EXIMA 77, APSWORD NFO-LB

*Conventional products

[New construction] Aluminum windows + insulating glass, aluminum doors [Remodeling] Aluminum windows + single glass

*The FY2024 plan is the mid-term plan developed in FY2021.

Taking on the challenge of a circular economy

Installation of RPF production equipment and expansion of operations

Our company is promoting 3R activities^{*1} (reduce, reuse, recycle waste, etc.). In FY2021, we installed RPF (Refuse derived paper and plastics densified fuel) production equipment at the Kurobe Ekko Plant. In the past, waste plastics such as film and laminate, as well as used paper, were used as raw materials, but from FY2022, the range of waste used will be expanded to include wood waste, thereby promoting the conversion of waste into valuable resources. We reduced the total amount of waste product in Japan and overseas in FY2022 by approximately 25% relative to FY2016.

Toward improved vinyl recycling rates

We are also actively engaged in recycling the vinyl produced during the manufacturing process for vinyl windows and after use. We have installed crushing and sorting equipment at each of our vinyl window manufacturing sites, and by reusing the materials as raw materials for vinyl profiles and gaskets*2 for insulating glass, our internal recycling rate improved to 28% in FY2022

We are working with industry and academia to build an industry-wide system to collect and recycle vinyl windows in the market, including participation in the "Reviewing Committee for Recycling of Used Vinyl Windows," (Vinyl Environmental Council, etc.), which was established in 2019.



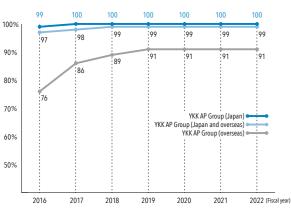
RPF production equipment (Kurobe Ekko Plant)

Implementation of guidelines for environmentally friendly design

To minimize CO₂ emissions throughout the supply chain, we developed the "Environmentally Friendly Design Guidelines" in FY2022.

Five items that contribute significantly to CO₂ reduction during the product lifecycle are "visualization of CO2 emissions," "standardization of packaging materials," "visualization of environmentally hazardous substances," "ease of disassembly and separation," and "environmentally friendly design guidelines and evaluation methods." These items indicate YKK AP's approach and policy regarding environmental considerations, and efforts are underway to evaluate and improve its products.

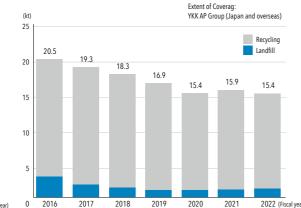
Industrial waste recycling rate (manufacturing sites)



*1 3Rs: Reduce, Reuse, Recycle *2 Parts used to fit glass into sashes

Details of Environmental Management are presented in our Environmental Report. (in Japanese only) https://www.ykkap.co.in/company/in/sust

Waste output (manufacturing sites)

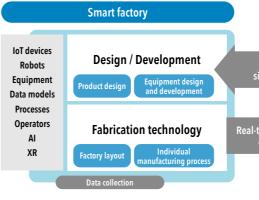


DX Promotion

Developing and disseminating digital technology for smart factories

YKK AP is promoting smart factories to increase its competitiveness in the global market, and is working to improve the operational availability of its equipment through digital transformation (DX). In addition, through DX, we aim to increase productivity by improving efficiency in all departments, including sales, development, manufacturing, and administration, and are working to achieve transformation into a company with "the speed and flexibility to respond to changes."

In order to strengthen research and development in the digital field, YKK AP Technologies Lab (NA) Inc. was established in June 2022 to undertake research and development on



Hands-on digital experience events

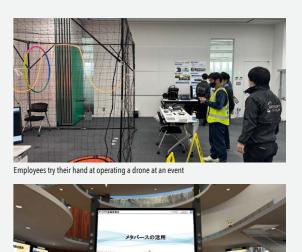
Hands-on digital experience events for employees are held to deepen their understanding of digital technology, generate ideas for business applications, and develop digital human resources capable of driving DX.

In FY2022, events were held both at real-world venues (two locations), where participants could operate and experience actual equipment, and on the web (at a Metaverse venue), where remote participation was possible. Going forward, we plan to hold these events at locations around the country. We will continue to work toward the realization of DX while creating an environment in which employees are able to make use of digital technology.

virtual factories and other fundamental reforms. Specifically, we are introducing digital technologies such as IoT devices, 5G, and AI to create engineering and supply chains in virtual space for the purpose of digital twinning, as well as training global personnel capable of implementing change.

In addition to basic research on drones, 3D printers, and AI image analysis, the Digital Strategy Department is also developing plans and conducting trials for operational use, which is expected to be applied in various fields such as sales, development, and manufacturing. Hands-on digital experience events are being held to spread awareness of these initiatives within the company.

Virtual factory Feedback of simulation result Design / **Development Simulation Digital twin** ΔI XR Platform Real-time interlinking of acquired data Plant design **Process simulations**



Events were also held at a Metaverse venue