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To whom it may concern:

May 13, 2025

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Representative: Tomio Miyazaki, President & CEO & COO
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Notice of Medium-Term Management Plan(T.RAD-2025)

T.RAD Co., Ltd. (the “Company”) hereby announces that we have formulated a medium-term management plan (T.RAD-2025).

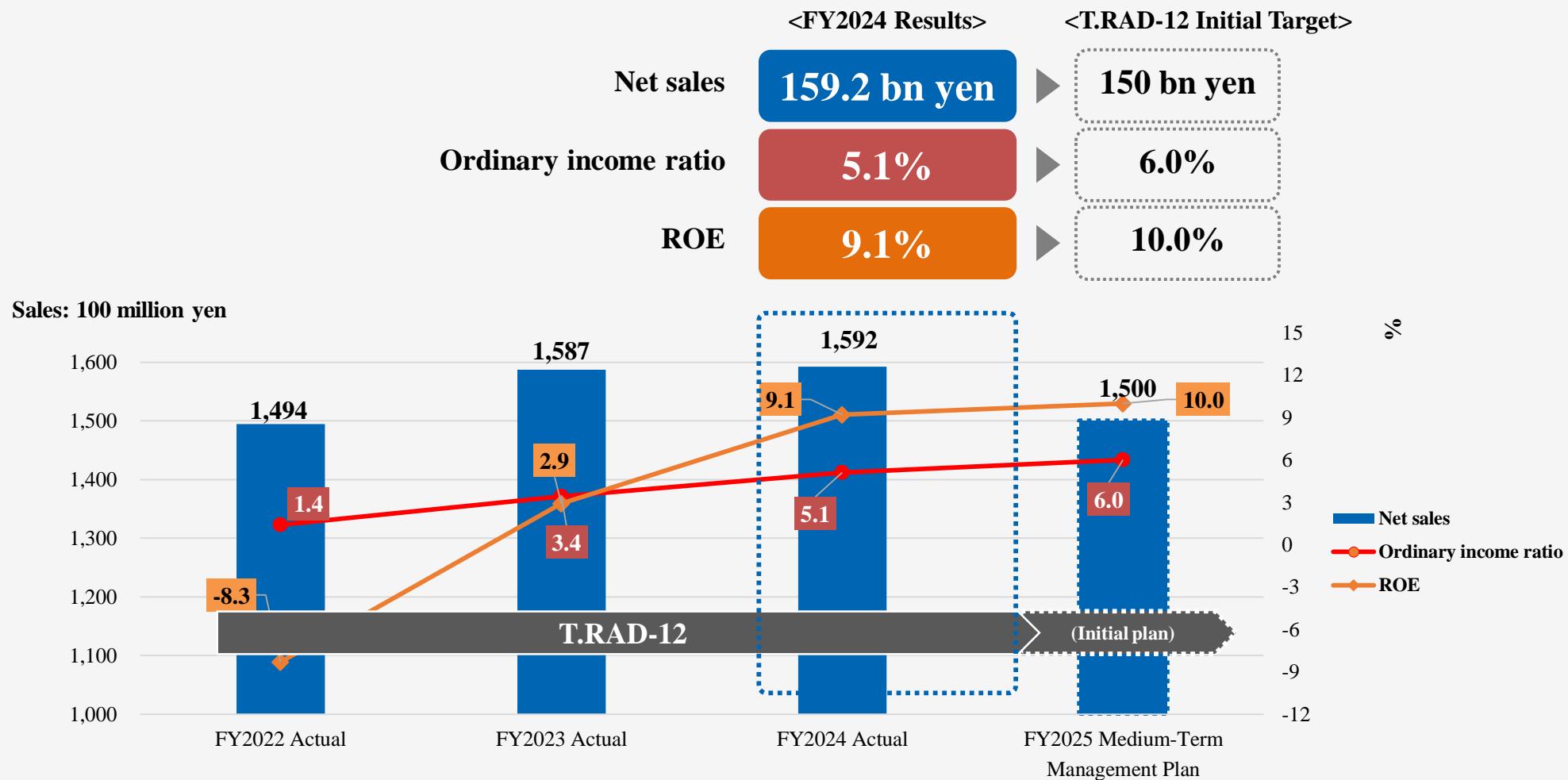
For details, please refer to the following pages.

Mid-Term Management Plan T.RAD-2025

May, 2025

T.RAD Co., Ltd.

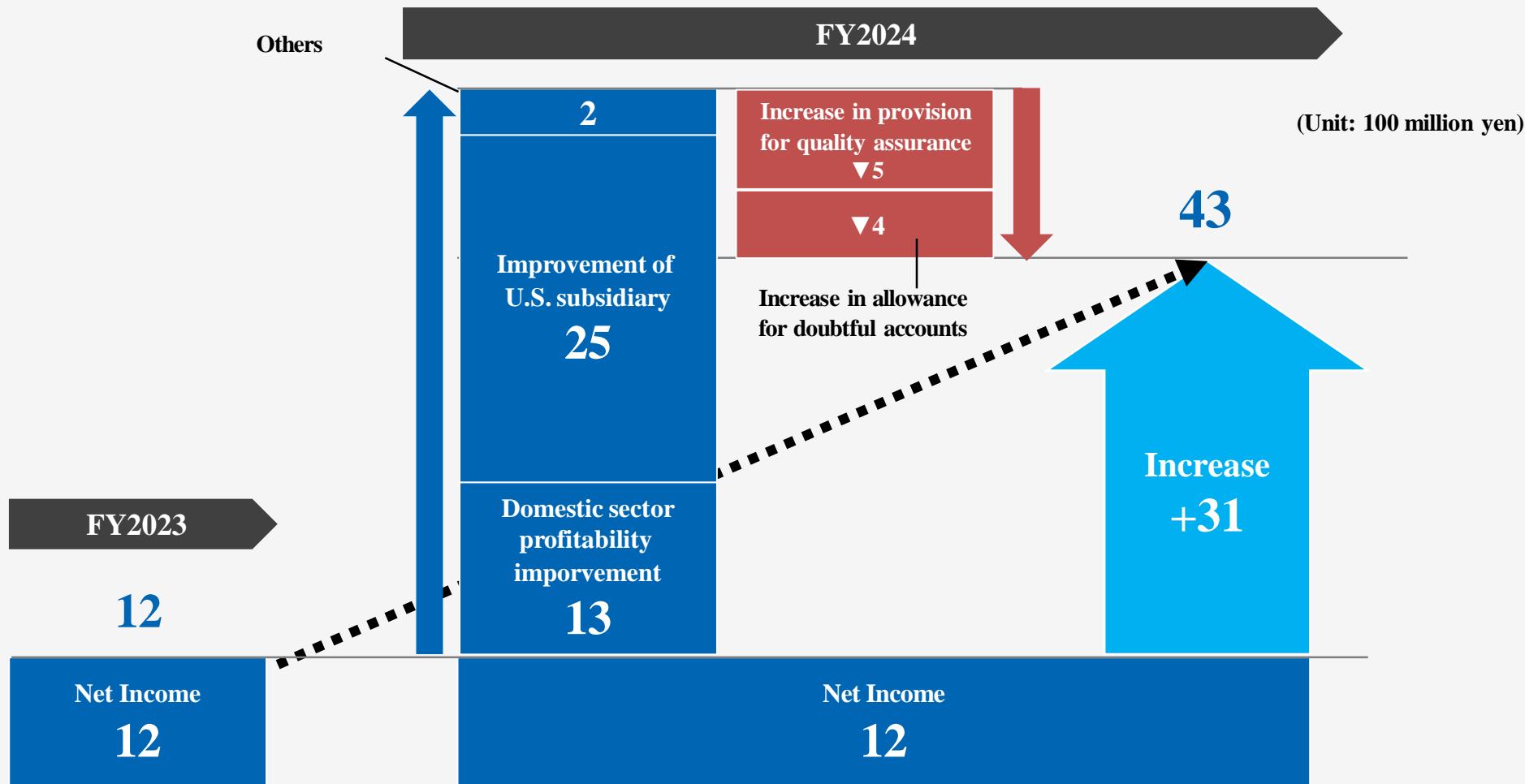




T.RAD-12 results remained stable, in line with initial forecasts

**Sales exceed the target, while ordinary income and ROE are approaching their respective targets.
(Details will be provided later)**

Net Income for T.RAD-12 2024 Fiscal Year



- The improvement of our U.S. subsidiary significantly contributed to overall profit improvement.
- Profit levels that would have reached the target if not for one-time expenses*.

*Includes allowance for doubtful accounts related to customers in China, and provisions for quality assurance in response to market claims, and other related expenses.

Production efficiency improved due to product transfers and operational support from the parent company

Marked reduction in scrap, back orders, and special deliveries

Substantial year-on-year increase in profitability

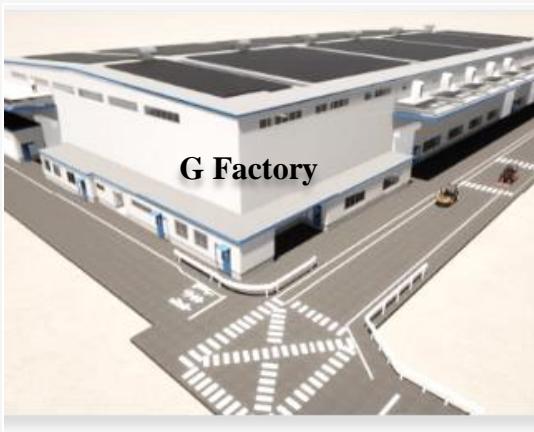


Total investment 25.1 bn yen

Growth investment

17.9 bn yen

- Electrification
- New orders and increased production
- Renewal and maintenance of facilities
- Environmental /DX/ Human Resources



Construction of new Hadano plant

(scheduled for completion in fall 2025)

Strategic investment

3.1 bn yen

- New plant
- M&A
- New businesses



Increased shareholding in TATA TOYO RADIATOR (40.25% → 49%), our Indian joint venture

Shareholder Returns

4.1 bn yen

- Dividends
- Share buyback



Zhongshan



Qingdao



Changshu



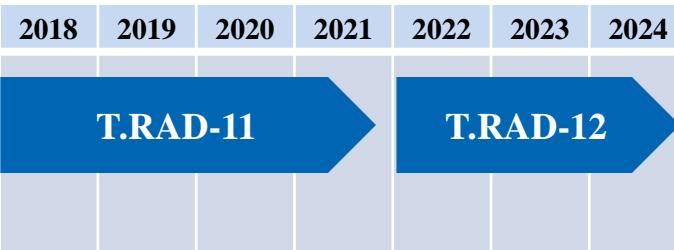
Indonesia

Conversion of subsidiaries in China and Indonesia to wholly owned entities

To keep pace with the rapid changes in the global automotive industry, we will revise the approach to formulating our medium-to long-term management plan.

~FY2024 (Current Status)

- Formulation of medium-term management plan every 4 years
- ※ Planning based on the accumulation method



<New policy> T.RAD-2025 (~FY2030)

- T.RAD-12 concluded in FY2024 (ahead of schedule)
- Going forward, we will formulate management targets annually.



Our management strategy for FY2030 and the annual review of management target figures

<Issues>

- Due to the rapid changes in the industry and environment, there is a gap between the assumptions of the medium-term plan and the actual conditions over the four years.

<Aim>

- Swiftly address and respond to changes in the industry and environment
- Align with the current business environment and conditions

Formulate management strategies and set numerical targets accordingly

Management Philosophy

- Contribute to the realization of an environmentally friendly sustainable society by providing superior thermal energy conversion technologies and services
- Pursue the sustainable development of the company and well-being of our customers, shareholders, employees, business partners and local communities

Corporate Slogan

- Entrusting our vision to **heat energy conversion technology** that knows no boundaries
- Aiming to **become the world's leading heat exchanger manufacturer**, contributing to the realization of GX

Management Strategy [T.RAD-2025 Corporate Vision]

1. **A company that realizes GX**
2. **A company that continues to earn satisfaction and preference of customers**
3. **A company trusted by its stakeholders**
4. **A company that values its people**
5. **A company that achieves stable profitability**
6. **5C+2S+3R**



(1) Culture that encourages employees to take on new challenges



(2) Changes in the operating environment and Activities that do not fear transforming themselves



(3) Communication and cooperation across all divisions



(4) Activities that emphasize speed



(5) Promotion of 3R



+



+



Speed

Share

Reduce

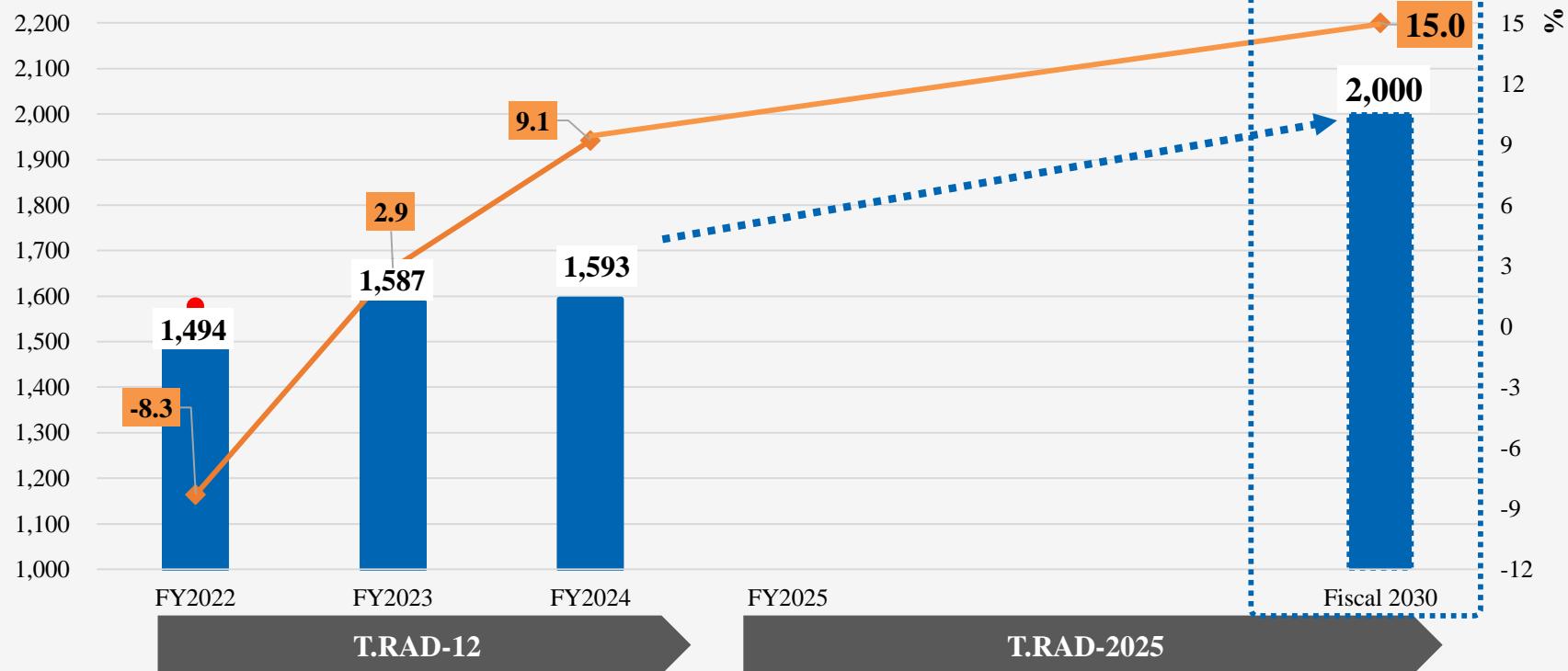
Net sales

200 bn yen

ROE

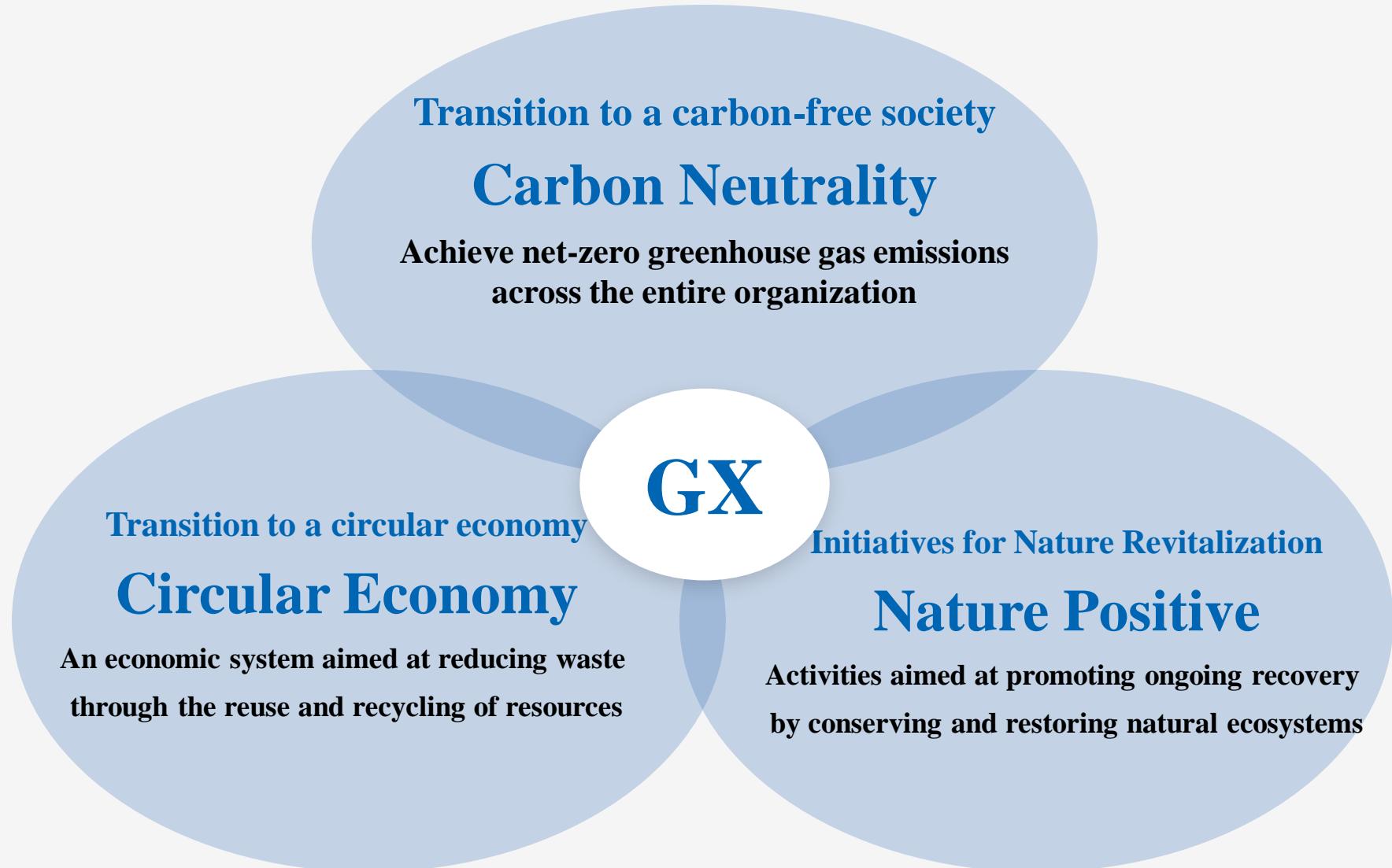
15.0%

Sales: 100 million yen

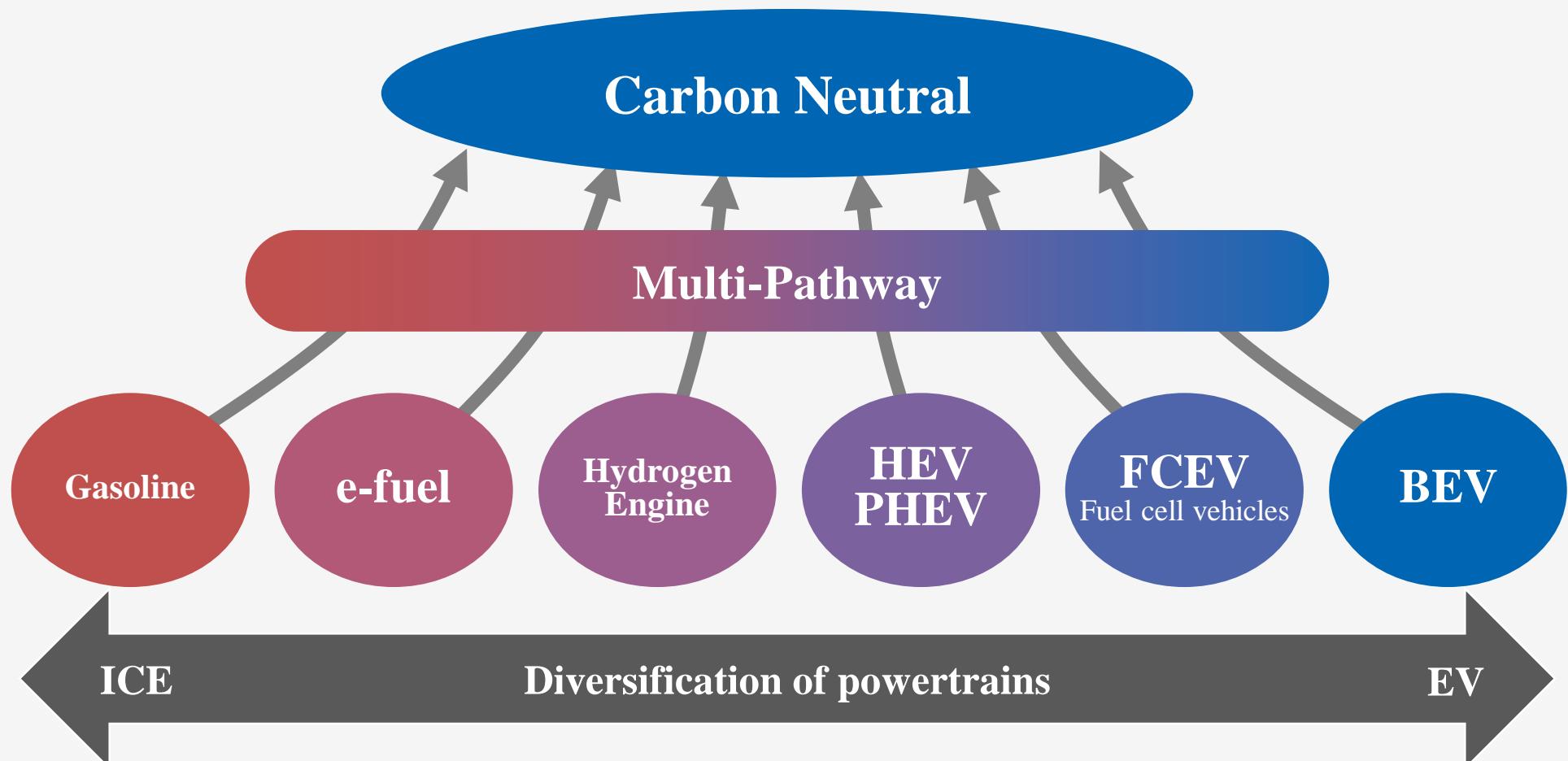




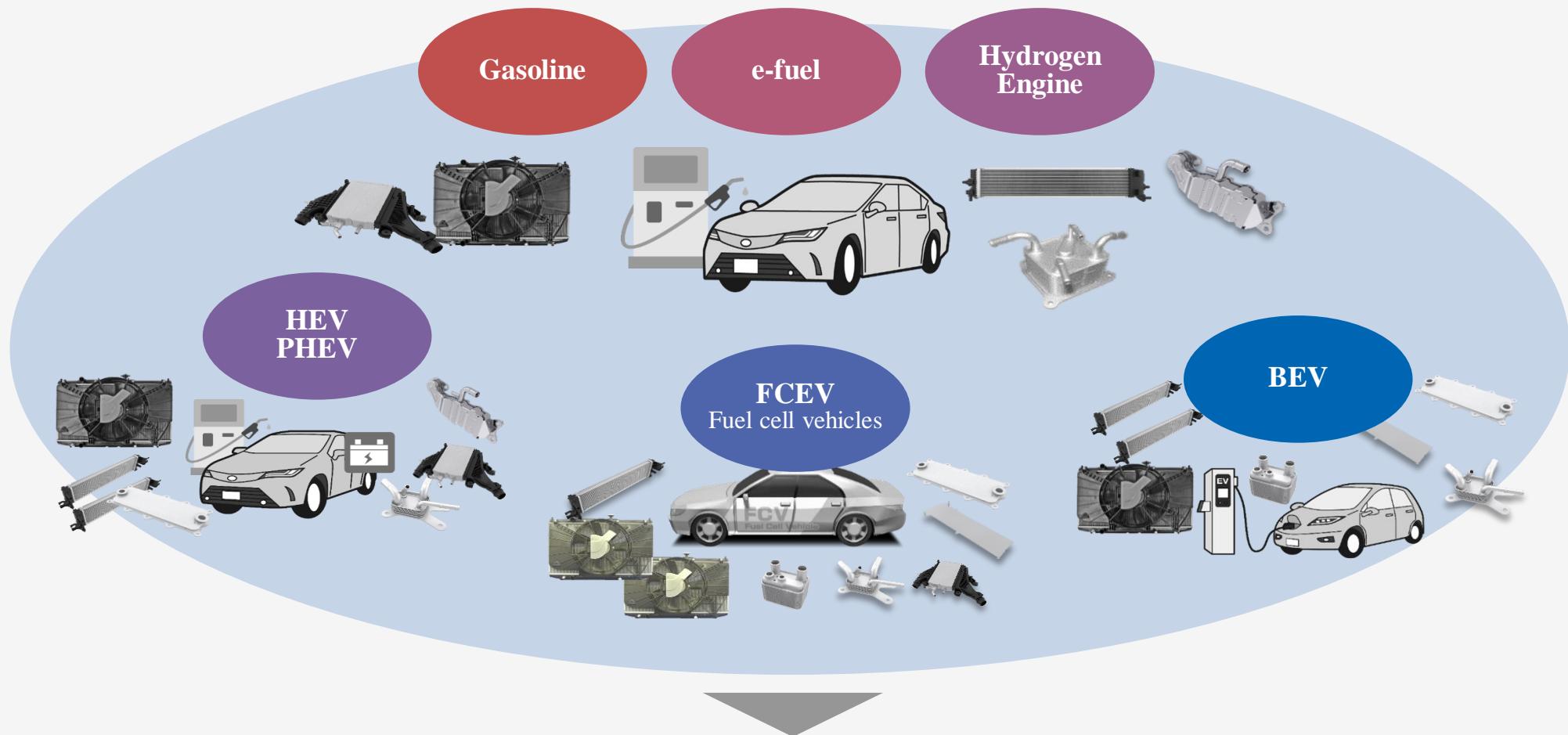
Initiatives to Become a Company that Realizes GX



Develop and expand sales of heat exchangers that can contribute to GX



There is a global recognition that a multi-pathway approach—offering not only BEVs but also a variety of powertrain options—is the quickest route to achieving carbon neutrality.



**In the era of multi-pathway approaches,
the demand of heat exchanger is increasing and becoming more diverse.
→ Significant opportunity for market expansion for T.RAD!**

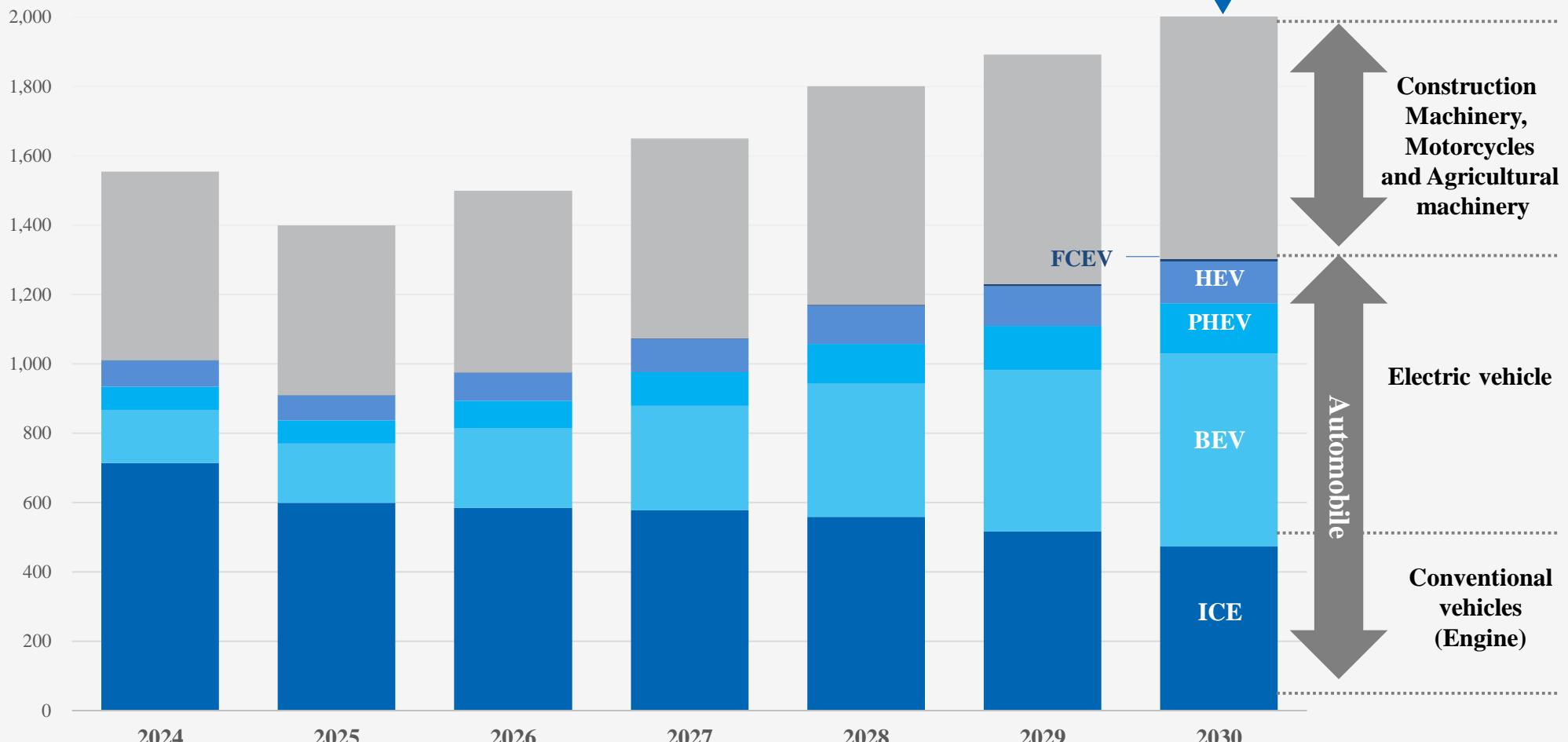
Sales Forecast by Category and Powertrain

※Our forecast



In 2030
200
bn yen

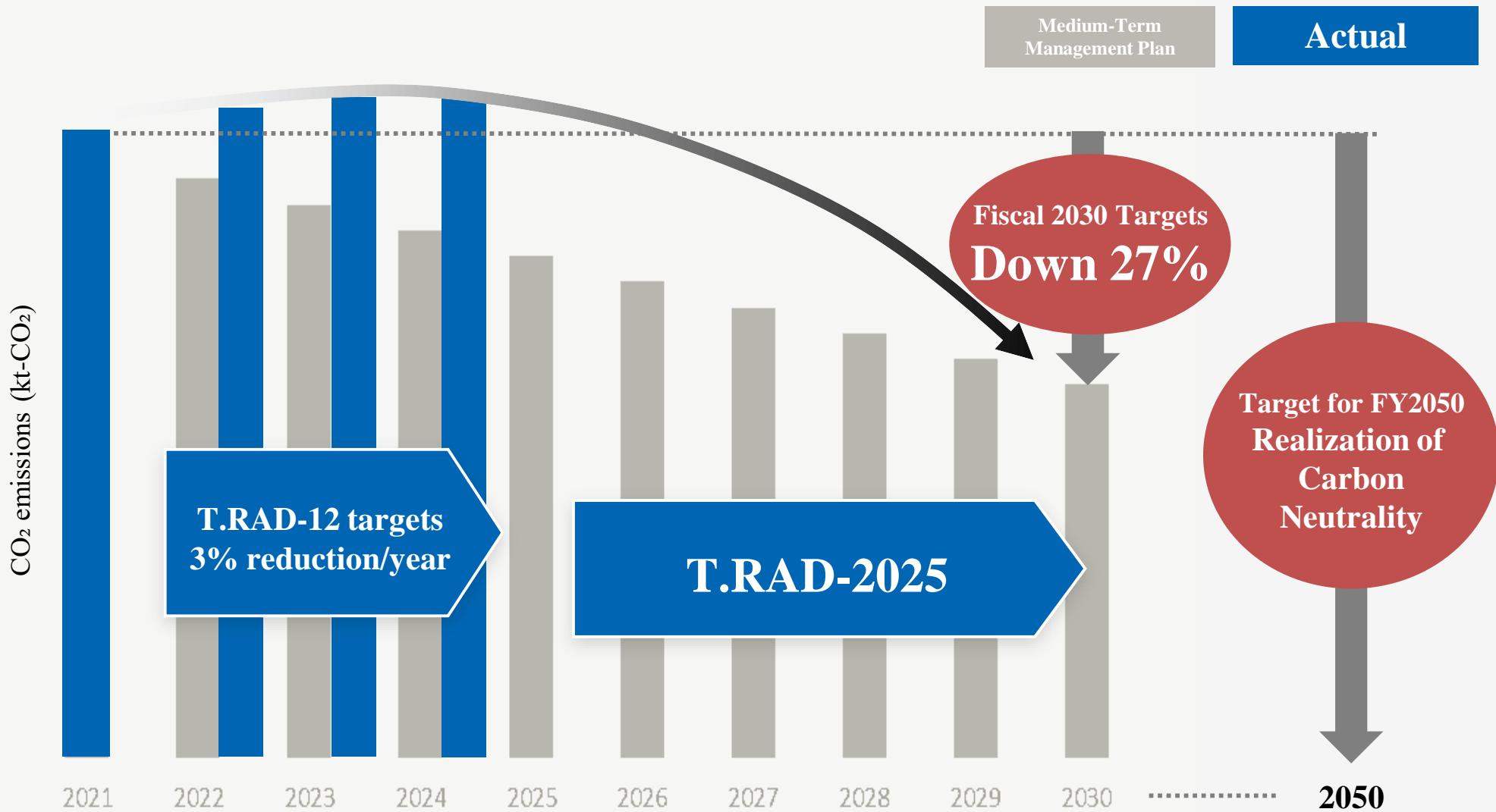
Sales: 100 million yen

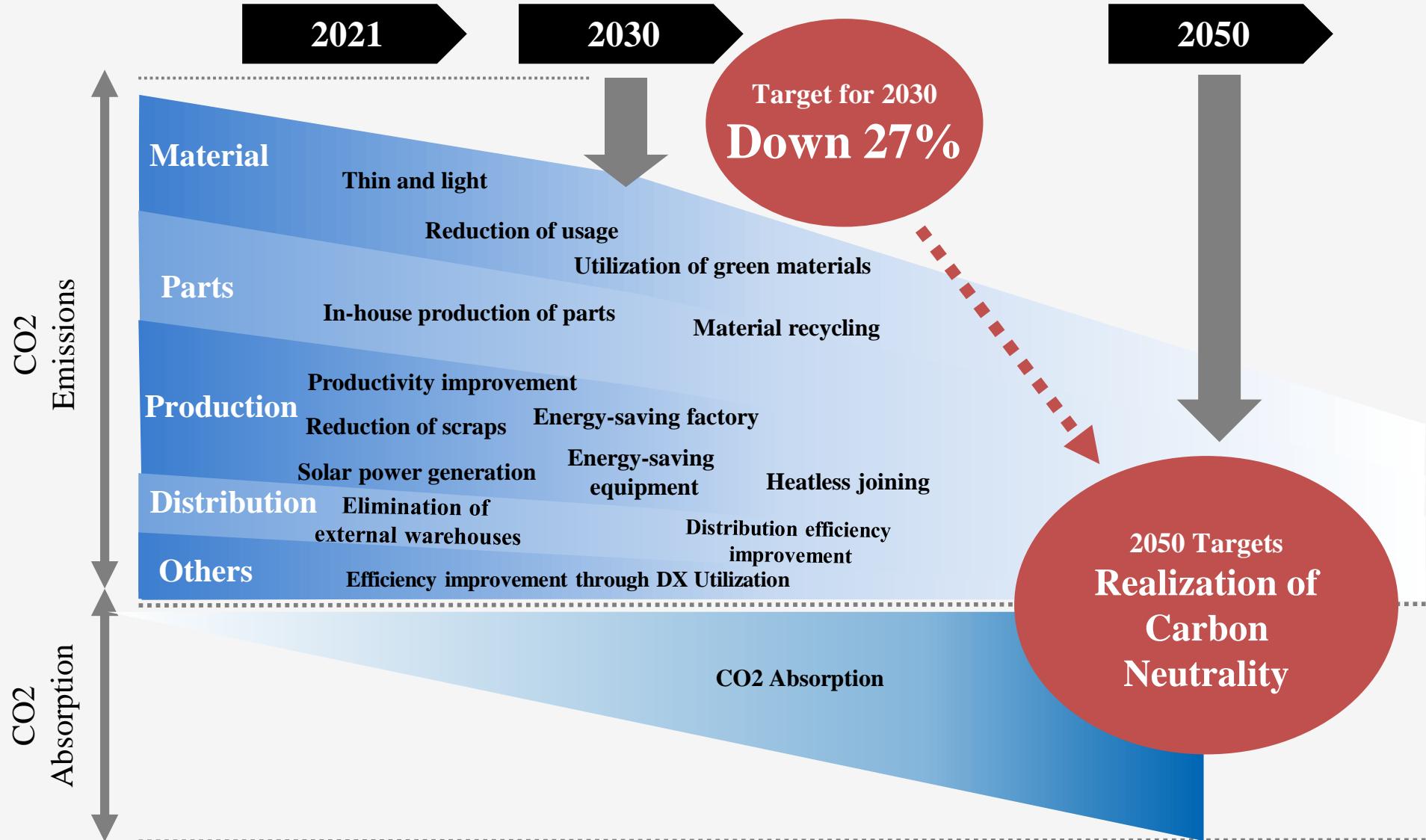


Initiatives for Achieving Carbon Neutrality



※ Figures are Scope1+2





By utilizing solar power generation, nitrogen generation equipment, and eco-friendly air conditioning systems, we aim to achieve energy-efficient plants and make continuous investments in leading electric companies that are CO₂-free.



TATA TOYO Radiator
Ltd.



T.RAD Qingdao Co., Ltd.
Began operation from June 2024



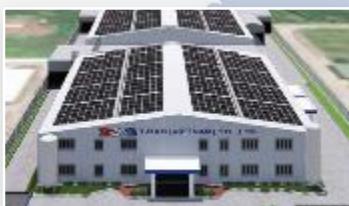
T.RAD(Changshu) Co., Ltd.



Hadano Works



Technology Division
(Nagoya)



T.RAD (Vietnam) CO.,LTD



T.RAD(Thailand) Co.,Ltd.
From March 2024 to operation



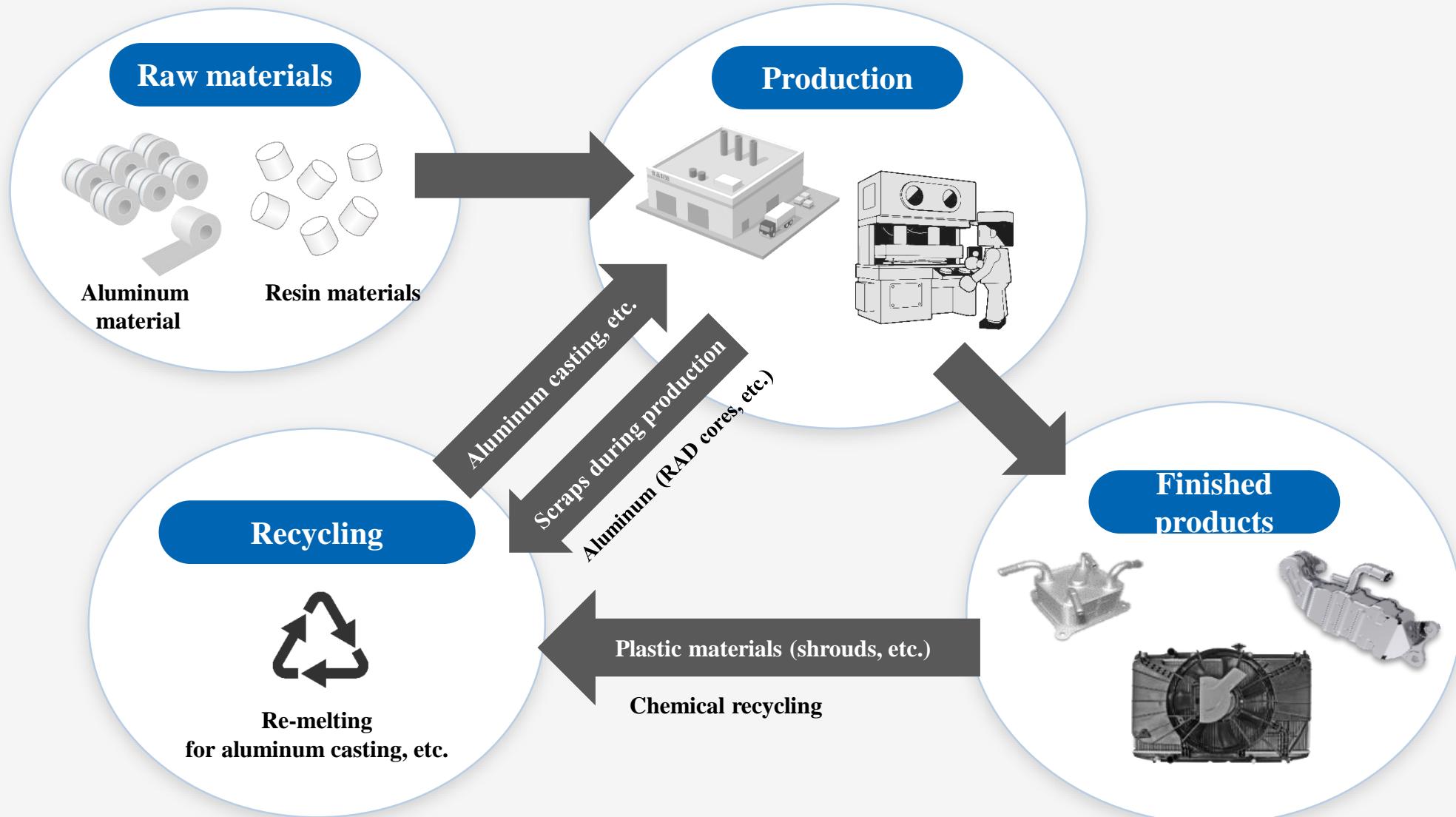
PT.T.RAD INDONESIA
From July 2024 to operation

Utilization of solar
power generation

▲ 4,512 t CO₂/year



Shiga Works



**Contributing to a recycling-oriented society by promoting recycling,
including aluminum materials and plastics**

Initiatives to Become a Company that Continues to Earn Satisfaction and Preference of Customers

Respond to the development of various heat exchangers and develop competitive products which are essential in the multi-pathway era.

Establish "T-RAD's unique strengths" that cannot be replicated by other companies

① Speed up

- Improve development efficiency (front loading development and concurrent engineering)
- Improvement of analysis technology to eliminate prototypes and tests
- Preparation for manufacturing with less reprocessing using digital twin
- Accelerate decision-making using DX

② Enhancing price competitiveness and added value

- Innovative technology for heat exchangers that outperforms competitors
- Development of highly functional and high-performance products
- Cost reduction activities
- Increase in trading volume and reduction in scraps
- Promotion of labor saving and automation
- High cost competitiveness and optimum quality achievable as a specialized manufacturer
- Increase ratio of in-house production of major parts

③ Business reform activities

- Strengthen and globalize TPS utilization, TPM activities, QC circle activities, activities to improve staff operations, and activities to reduce expenses
- Promote DX in all divisions (sales, engineering, production, procurement, accounting and finance, human resources and general affairs, and overseas production sites)

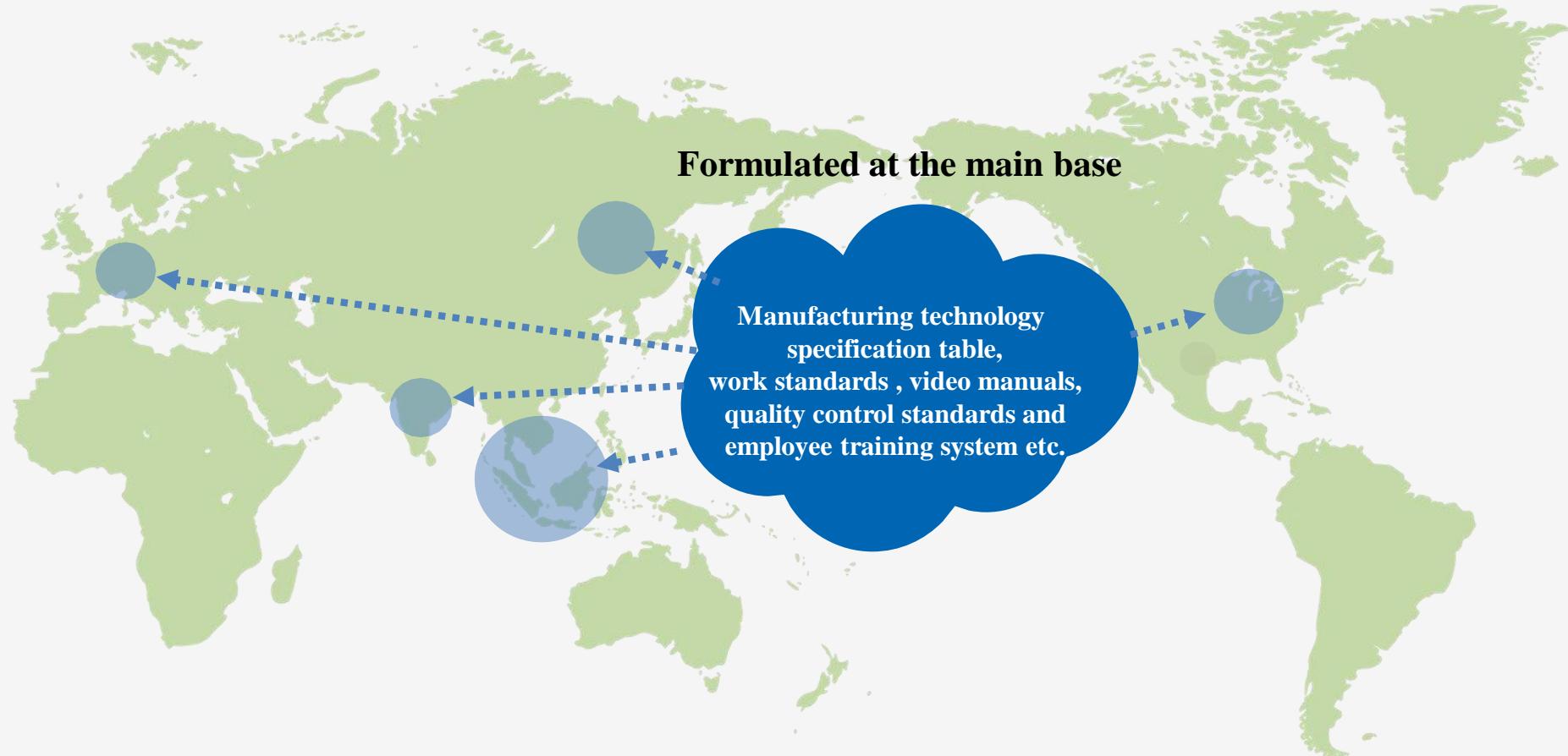
Product development and production by the main base (Japan)

Localization at overseas R&D sites
Promotion of "local production for local consumption" through overseas production

- Head Office
- Main Subsidiaries
- Main Joint Ventures
- Office
- R&D Center

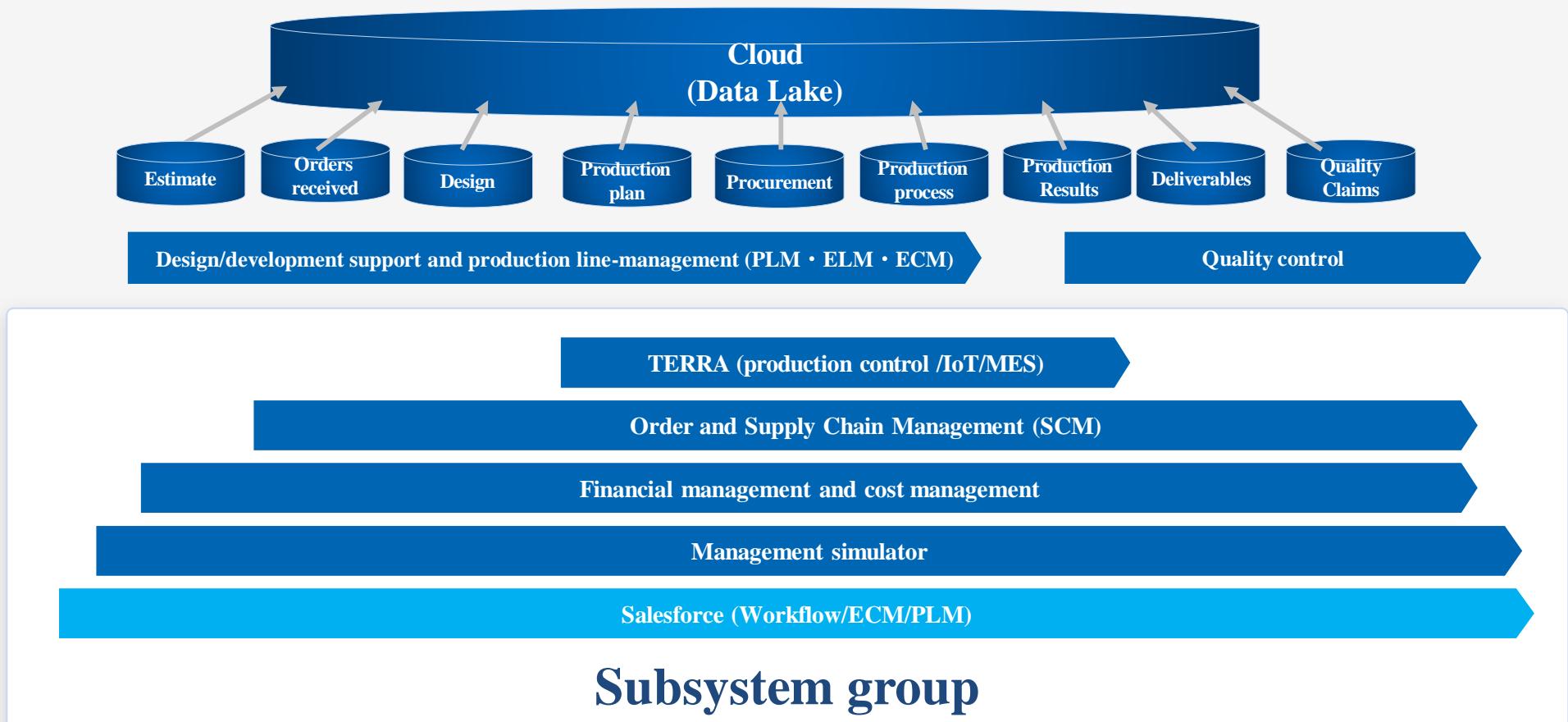


Optimize global development and production allocation by leveraging the unique characteristics of each site



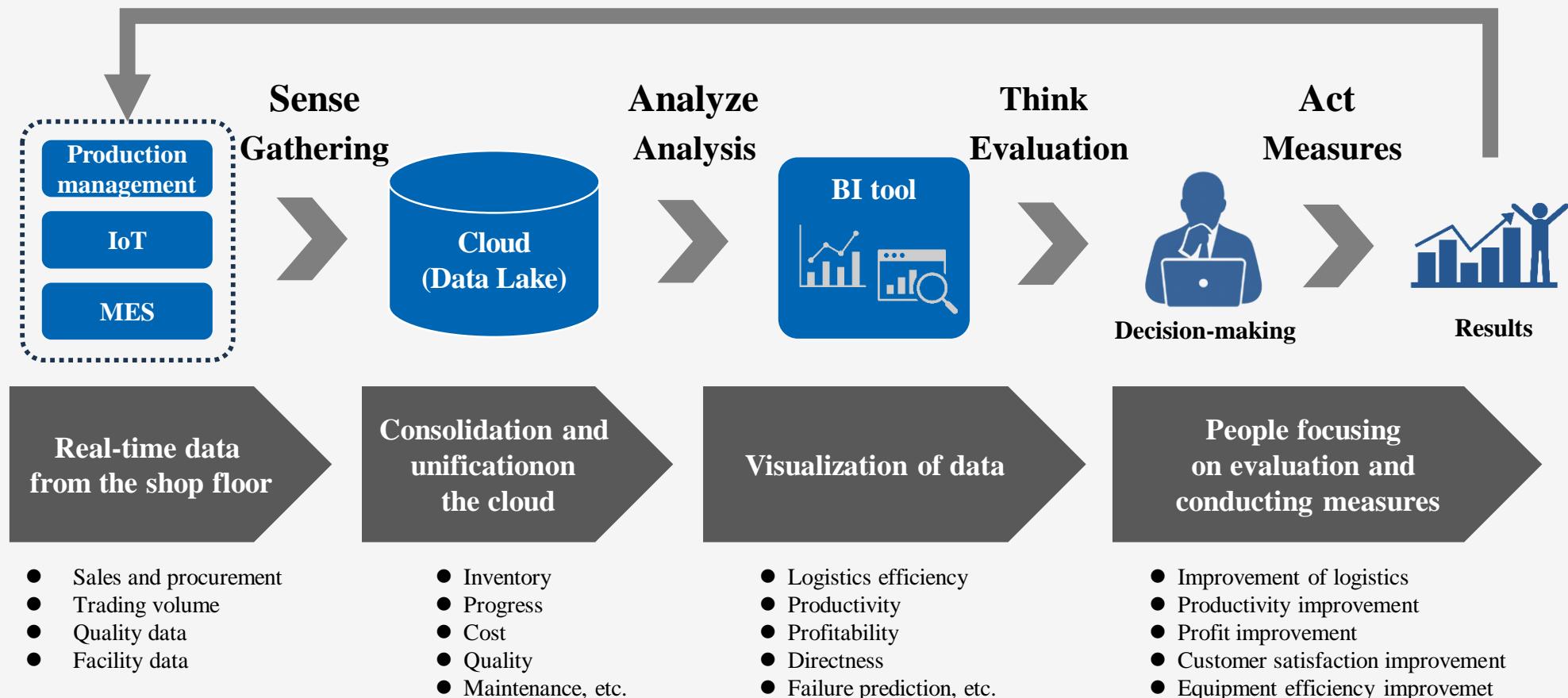
Quickly deploy manufacturing technology specification tables, work standards, and video manuals to global sites using a cloud database.

Company-wide DX system planned and developed in-house



PLM : Product Life Management
 ELM : Equipment & Asset Life Management
 ECM : Engineering Chain Management
 MES : Manufacturing Execution System
 SCM : Supply Chain Management





Accelerate decision-making at all levels
—from frontline workers and staff to managers and executives.



New Business Initiatives

Taking on the challenge of developing technology to convert waste heat into electricity for effective utilization

① Thermoelectric radiator



With radiator + thermoelement
contribute to parts reduction
and fuel efficiency improvement

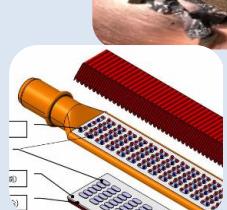
**Trial production and testing
of thermoelectric radiator**

② Thermoelectric power generation using waste heat from furnaces



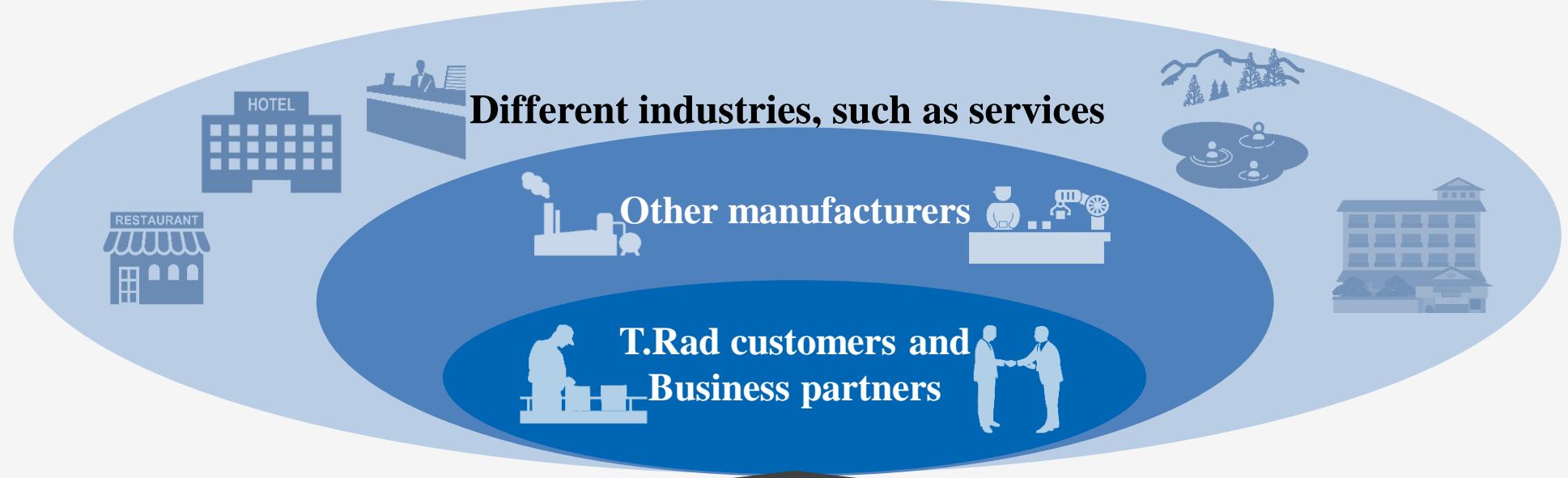
Thermoelectric power generation using temperature
difference of few hundred degrees
in brazing furnace and cooling water

**Currently considering introduction
into brazing furnaces**



- **High-performance, low-cost thermoelement materials**
R&D (joint research with Tohoku University)
- Development of production technology for
**in-house production of thermoelectric
elements and modules**

**Aim to
commercialize
by 2030**



External sales as DX solution by T.RAD Connect



T.RAD CONNECT



Production
management
System(ERP)



Salesforce



IoT
AI
Data analysis

Packaging the DX expertise cultivated by T.RAD

A company that Achieves Stable Profitability

Initiatives to Become a Company Trusted by Stakeholders

Operating cash flow + Borrowed funds

100 to 15 bn yen/year

Growth investment

Strengthening Existing Businesses

- Heat exchanger development for multi-pathway approach
- Introduction of labor-saving, automation, and productivity-enhancing facilities
- DX investment/environmental investment
- Investment in human resources

Strategic investment

Investing in the future

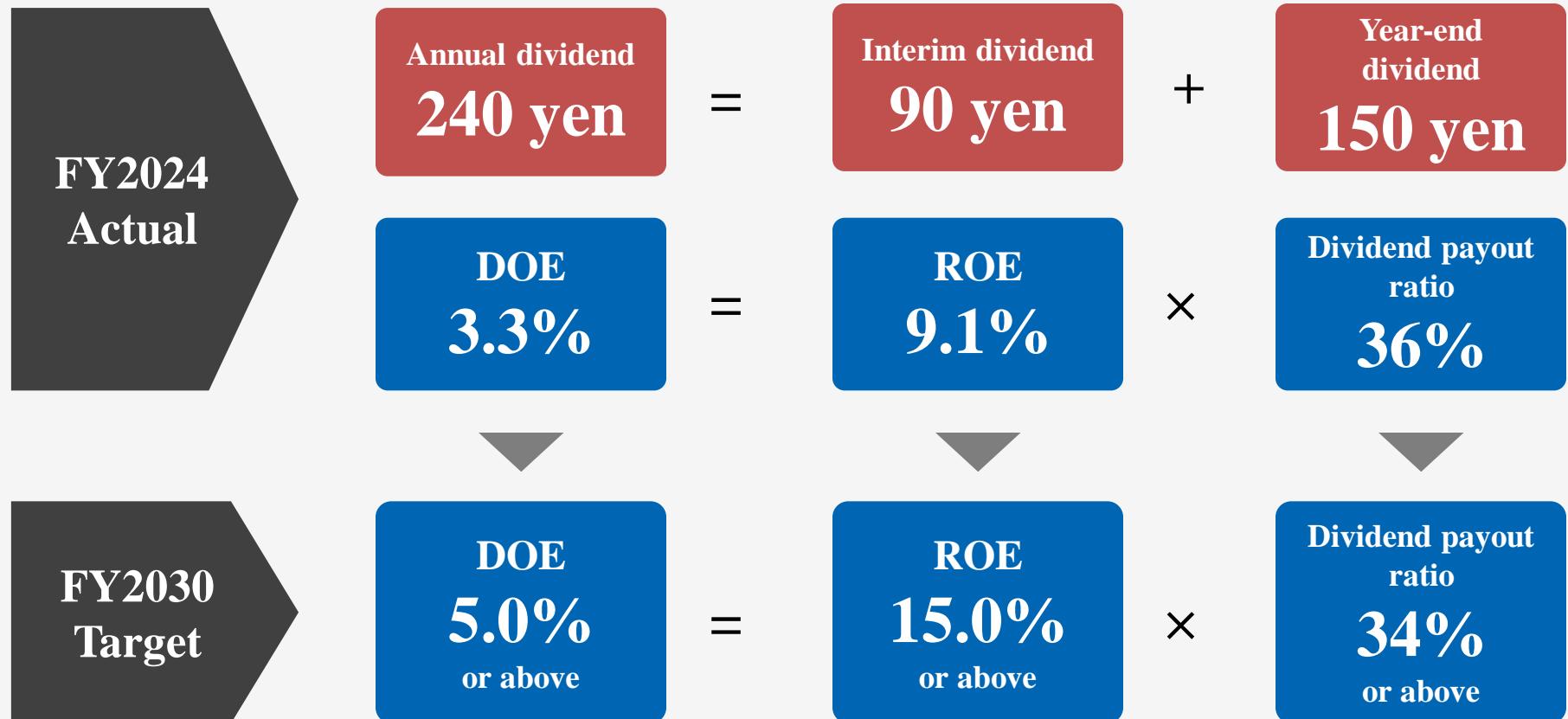
- Expansion of production resources and promotion of global production reallocation
- Consideration of second production base in the U.S.
- Expansion of investment in India
- Considering M&A
- New Business Initiatives

Shareholder Returns

Becoming a company that is valued by the market

- Achieving stable dividends and flexible share buybacks through DOE
- Achieving both capital efficiency and soundness (equity ratio)
- Pursuing ROE targets and PBR 1.0x targets

- **Allocate cash to investments in a timely manner, premised on achieving returns above the WACC(6%)**
- **Aim to become a top-runner in heat exchanger manufacturer with unmatched capabilities**



- Since FY2024, we have been using the consolidated dividends on equity (DOE) as a new indicator to improve capital efficiency and realize stable long-term returns to shareholders.
- The definition of equity* in DOE computation was changed from consolidated total equity to consolidated total net assets.

*DOE = Annual total dividends ÷ Averages of consolidated net assets (excluding non-controlling interests) at the end of the previous fiscal year and the end of the current fiscal year. Effective from FY2024

T.RAD-12

T.RAD-2025

FY2024 Results

Net sales	159.2 bn yen
ROE	9.1%
PBR	0.5 times

Share buyback
2 bn yen or more

Scheduled to buy back 2 bn yen
of treasury stock in FY2025

Consider buying back shares in
consideration of market liquidity
going forward

Share buyback
0.82 bn yen

DOE 3.3%
Annual dividend
240 yen

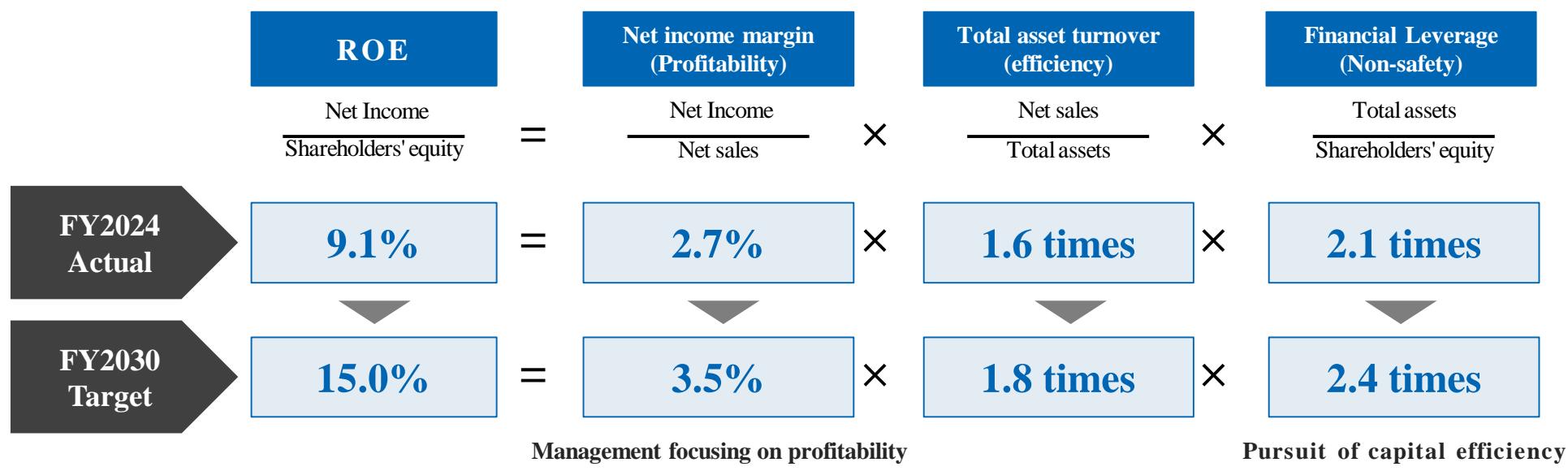
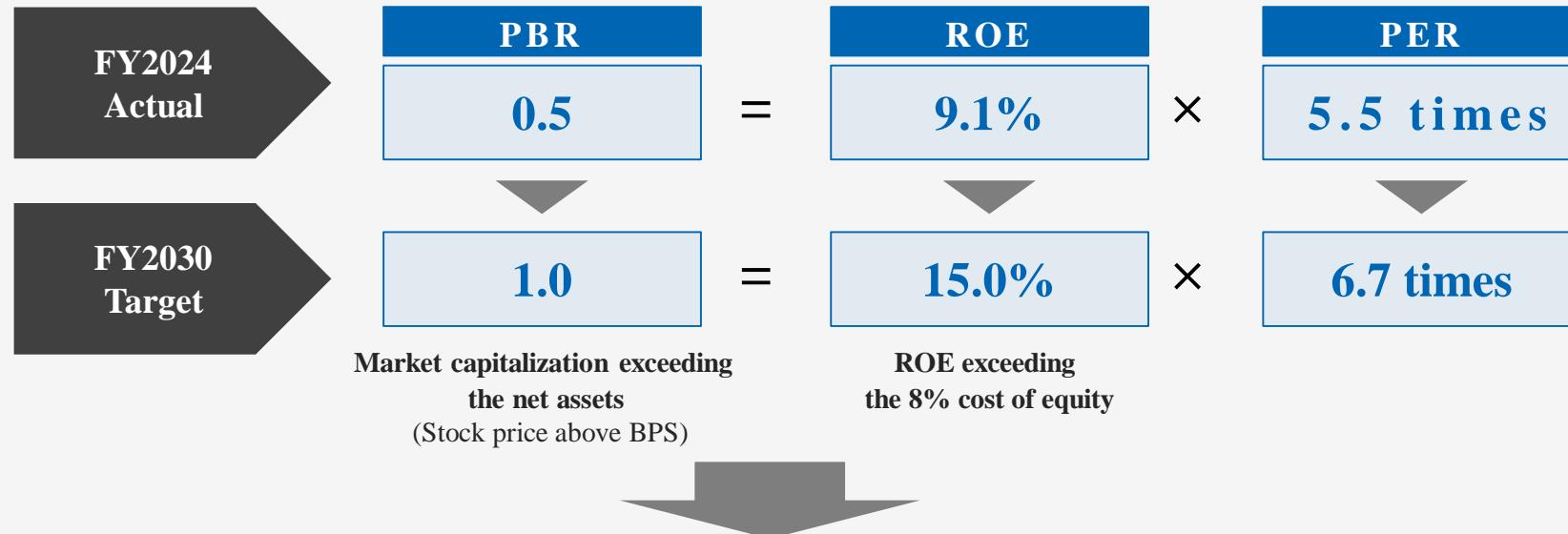
DOE 3.3% or more
Annual dividend 240 yen or
more

DOE
5.0% or more

- Increase in sales and ROE improvement by further acquiring market-share
- Timely appropriate investment and shareholder returns enabled by operating cash flows generation

Implementing management
with awareness on capital
efficiency and stock price

Initiatives to Improve T.RAD-2025 PBR



To increase corporate value, it's essential to establish a system where employees and directors who are most closely involved with the company can significantly benefit from shareholder returns by dedicating a substantial amount of their time to their work

Stock Benefit Trust Plan (J-ESOP)



T.RAD Corp. Stock investment association



Restricted Stock-based compensation plan RS



- Payment of a fixed annual stock point to all employees
- Managing with compounding including dividends

- Employees reserve for purchase of T.RAD shares

- Part of the compensation is paid in stock

- ① **Dividend income from stockholdings (income gain)**
- ② **Capital gains from the sale of shares after retirement, resulting from stock price increase**
→ When corporate value increases, employees will benefit

Disclosing information to shareholders and investors in a timely and appropriate manner

Management policies, financial conditions, business activities, etc.

IR presentations



- **Financial Results Briefing**
- **Distribution of financial results briefings on websites and social media through videos and summarized articles**

General Meeting of Shareholders



- **Distribution of general meeting of shareholders through videos on the website**
- **Conducting preliminary questioning at the general meeting of shareholders**

Disseminating Information for International Investors



- **Disclosure of financial results and notice of convocation of the General Meeting of Shareholders in both English and Japanese**



Forecast for FY2025

Net sales

140 bn yen

Ordinary income

4.2 bn yen

Share buyback

2 bn yen or more

Net income

2 bn yen

Annual dividend

240 yen or more

ROE

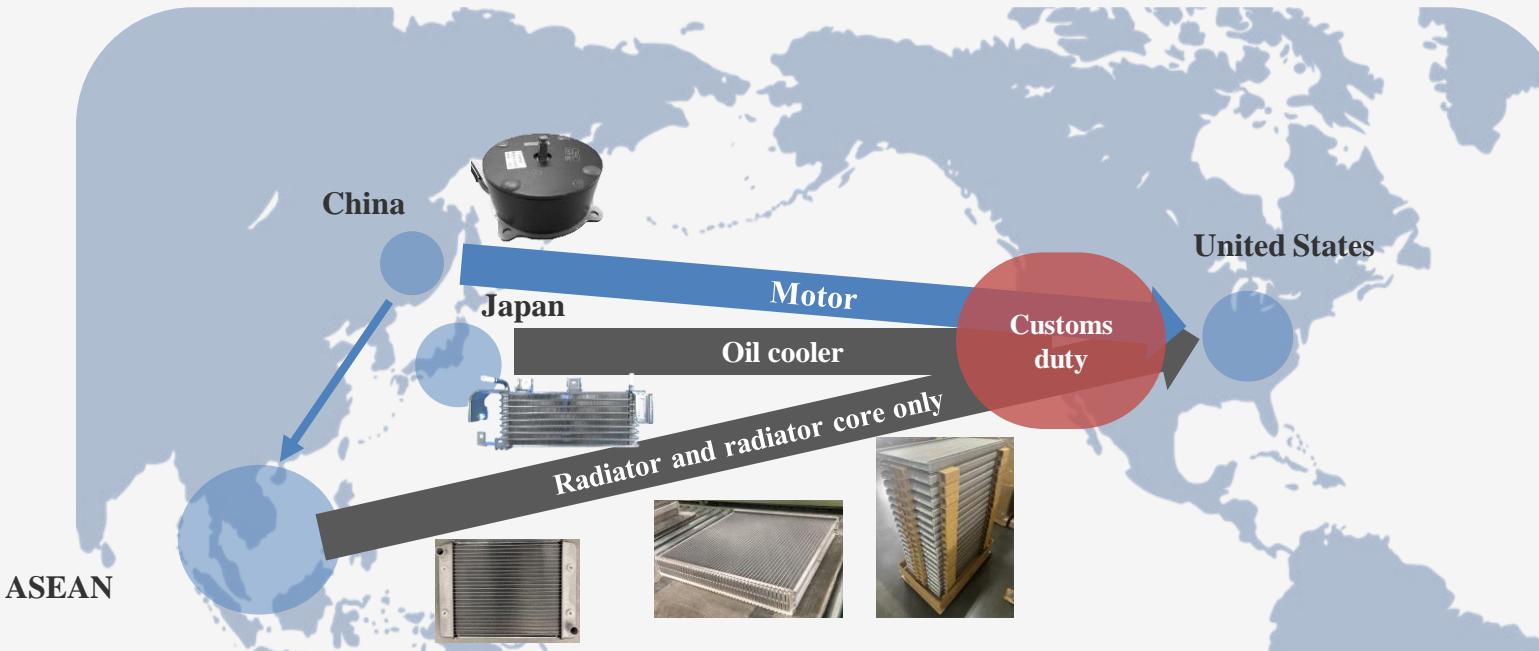
4.3%

DOE

3.3% or more

*Based on the latest sales forecasts obtained from business partners, the forecast is presented taking into account the impact of U.S. tariff policies and exchange rate fluctuations to the extent possible.

Respond flexibly in a timely manner while ascertaining trends in the Trump administration's customs policy



Response ① Efforts to maintain profitability

- **Restructuring of procurement routes for materials and parts**
 - Consideration of shifting suppliers from China to ASEAN, etc.
- **Cooperation and negotiation with business partners**
 - Discussion on passing on tariff cost increases

Response ② Efforts to Optimize Production System

- **Strengthening local production and securing human resources**
 - Strengthen local production by introducing automated equipment
 - Considering U.S. domestic production outside Kentucky
- **Reconsideration of global production allocation**
 - Temporary freeze of the new Shiga plant plan



T.RAD Co., Ltd.

<https://www.trad.co.jp/>