Mid-Term Management Plan Challenge 2024

TOPICS





Introduce new business portfolio management Set a portfolio to 3 domains—Focus, develop, Base (P14)



Formulate 5 strategies for mid-term management plan, in accordance with business policy "Aiming to improve corporate value through Business portfolio optimum" (P19)

3

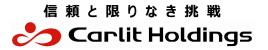
Formulate a Mid- to Long-term planFY2024 goal : Operating Income 3.0 billion yen, ROE 8%FY2030 goal : Operating Income over 5.0 billion yen(P28)



Formulate a management strategy with strong awareness of ESG (P31)

- Calculate GHG emissions for realization of carbon neutrality (P33)
- Clarify a financial policy. Optimize the overall balance of growth investment, not limit equipment investment (P36)





- I. Review of the previous Mid-Term plan "Waku Waku 21"
- II. Carlit Group's long-term vision
- III. Mid-Term Management Plan Challenge2024
 - 1. Acceleration of growth businesses
 - 2. Expansion of R&D
 - 3. Improvement of profitability of existing businesses
 - 4. Advancement of ESG management
 - 5. Restructure of business infrastructure

I. Review of the previous Mid-Term plan

"Waku Waku 21"

Review of the previous Mid-Term plan

頬と限りなき挑戦

Reflect the previous Mid-Term plan problems in the new Mid-Term plan

 \langle Basic theme \rangle

Build up a solid business foothold in a profit-oriented manner and promote investments of management resources for new initiatives. \langle Review of the previous mid-term planangle

Average : <u>Sales-oriented</u> : Insufficient profit-oriented awareness

Poor : <u>Short-term viewpoint</u> : Failed to actively invest

management resources due to immature growth strategies

 \langle The concept of the previous mid-term plan \rangle

New Initiatives

- R&D New business
- M & A
- Overseas Business

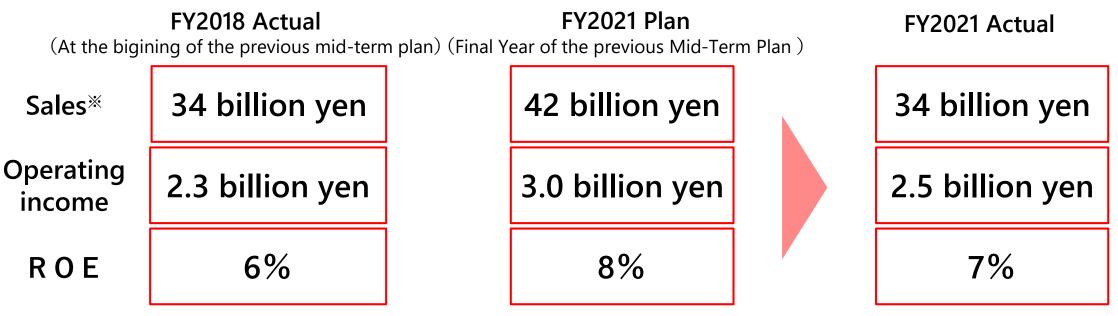
Solidification of business foothold

 Strengthen the foundation of existing and peripheral businesses

Poor	Sticking to existing businesses
Poor 3	Insufficient focus on R&D and new business
Poor 3	Lack of strategic approach to M&A in growth areas
Average	Withdrawal from Vietnam and Singapore
Excellent	Slight increase in sales and profit
	Favorable market environment for existing businesses
Average 3	Lack of awareness of financial goals Insufficient profitability.
Excellent	Acquired Minamisawa Construction Co.
	Expansion of peripheral businesses

Review of the previous mid-term plan

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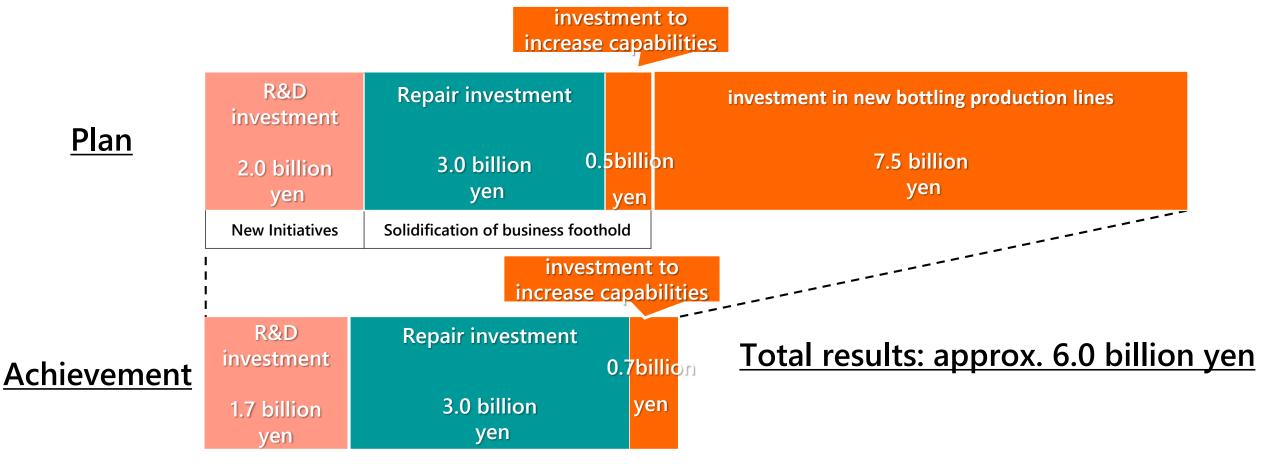
X Sales are calculated based on the IFRS.

- Operating profit: -0.5 bn yen vs. plan [Breakdown] 0.7 billion yen in new businesses and products, +0.2 billion yen in existing businesses
- ◆ COVID-19 has had a tremendous impact ⇒ However, not only the negative impact, but also <u>the recovery demand</u> in the semiconductor and automotive sectors
- ◆ <u>The decision to discontinue construction of a new bottling production line</u> was made due to significant changes in market conditions, including a significant decrease in domestic and international tourist demand ⇒ The impact on the for-profit plan is negligible

Review of the previous mid-term plan

信頼と限りなき挑戦 **Carlit Holdings**

- R&D and repair investments were implemented as planned
- Significant reduction in investment to increase capabilities is due to the suspension of investment in new bottling production lines.



Carlit Group's long-term vision

Our recognition of social issues

Organize and analyze social issues for 2030

Social issues

Realization of Society 5.0

Convenient and Secure

infrastructure and mobility

Keywords

- Building an Information Society
- Digitization of Objects by Metaverse
- Rise of Robots and AI
- Promotion and Realization of MaaS
 - Expansion of space development and satellite industry
 - Realizing the Mobility of the Future

Realization of High-Performance Energy Storage Device Supporting Lifestyles from Space and the Sky

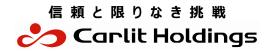
Richer and Eco-friendly living

- Stable supply of Renewable Energy
- Rise of Next-Generation Energy
- Achieving an Environmentally
 - **Conscious Supply Chain**

Further promotion of clean energy to achieve carbon neutrality

More advanced electronic devices such as cell phones

Projections for 2030



Basic Concept of the Carlit Group

Management Philosophy	Earning Trust and Tackling Countless Challenges
Corporate Slogan	Giving Shape to Infinite Possibilities

Our Approach to Stakeholders

Employees

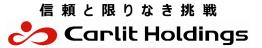
- Respect for each individual's independence
- Valuing communication

Client

- Challenges in Manufacturing to Meet Needs
- Providing services that meet expectations

Stockholders

Make an adequate return on investment by increasing the value of the enterprise Society = Significance of our company Providing "secure" and "affluence" through reliable manufacturing and services



Ideal Carlit Group In 2030

To contribute to a sustainable society by combining the power of "chemistry" and "technology" to support people's happy lives.

Our capital input

- Human Capital
 Human resources to carry out our slogan
- Social and Relational Capital Trusted by history Brand strength for diverse markets
- Financial Capital
 Sound financial structure

- Intellectual and Manufacturing Capital Basic research and accumulated knowledge Creative and Development Technology Capability
 - Manufacturing Technology
- Natural Capital Abundant Water Resources Ownership of hydroelectric power plants

Three stages we are taking toward 2030

	2022 ~ 2024	\sim	- 2027		~ 2030
<u>Stage1 :</u>	d-Term Management Plan Challenge 2024 the foundation	Stage2 : Investment	Promotion		Stage3 : Harvest and Breakthrough
Existing businesses	<u>Introduce new business portfolio</u>Profit improvement	 Thorough mana with the busine Establish a struct 	ess portfolio		ROE 10%~
Growth businesses	 <u>Concentrated investment in</u> <u>growth businesses</u> New product development based on core technologies 	Expansion of GrRealization of n		5	 Increase the value of growth businesses Contribution of new business to business performance
ESG RO	 <u>Contributing to society</u> <u>through our approach to materiali</u> E 7% 		ROE 8%		

Introduce business portfolio management

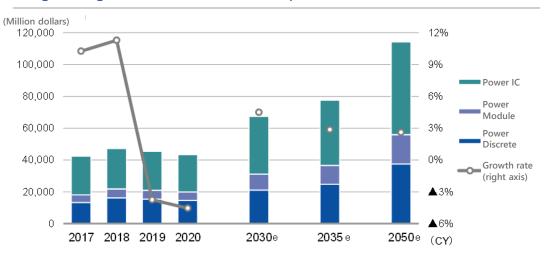
Predicting growth potential based on market trends

Realization of Society 5.0

The electronics and semiconductor industries, including power semiconductors and advanced packaging, are expected to grow worldwide

Related Items

Electronic Materials Silicon Wafers



Long-term global market forecast for power semiconductors

%1 The growth rate after 2030 is the average annual growth rate between the immediately preceding forecast year and the relevant forecast year. e.g.2030: 2020 ~ 2030 %2 After 2030: Mizuho Bank Industry Research Division forecasts %3 Estimate as of July 2021

Source: Mizuho Bank Industry Research Division

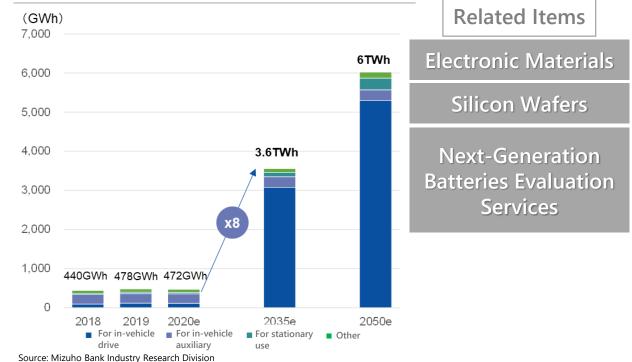
Convenient and Secure infrastructure and mobility

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EV market, including automotive storage batteries, is expected to expand rapidly.

Storage Battery Market Forecast

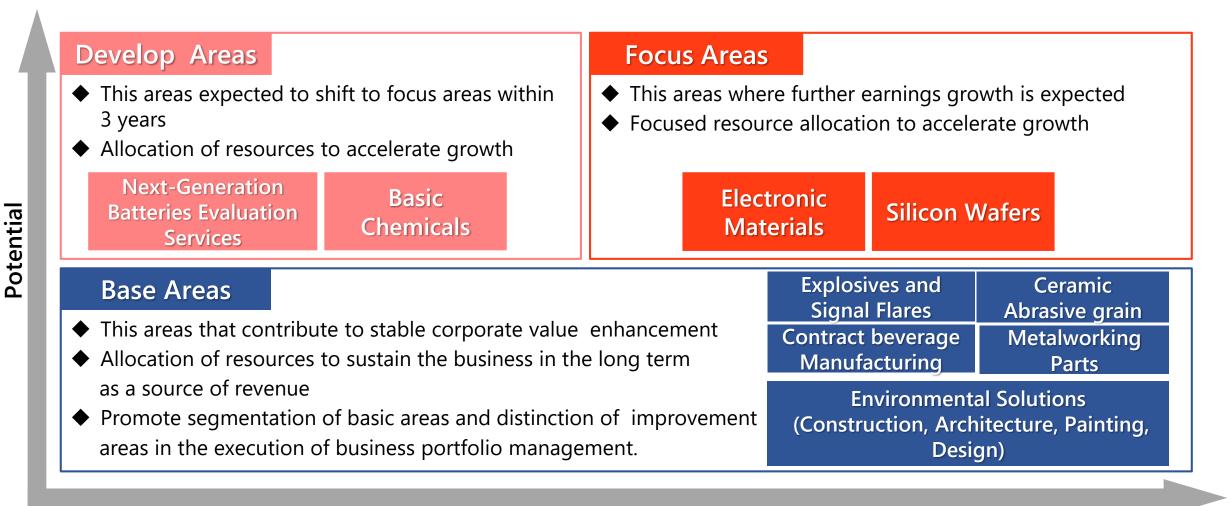


% Estimated based on the assumption that increasingly strict electric vehicle-related regulations in each country will be in effect as of May 2021.

Introduce business portfolio management

Growth

Three business portfolios based on market growth potential and our strengths

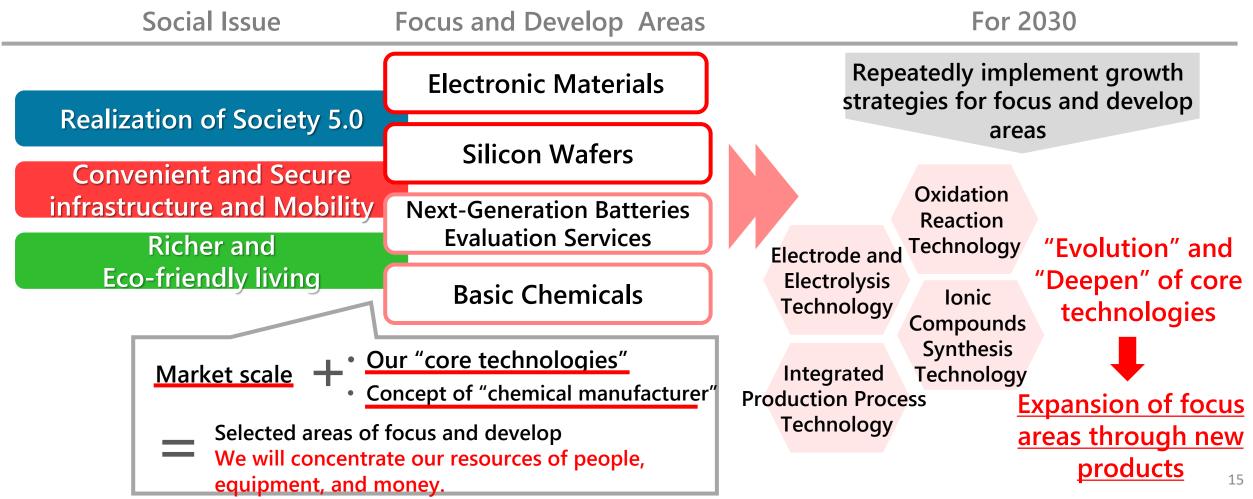


信頼と限りなき挑戦

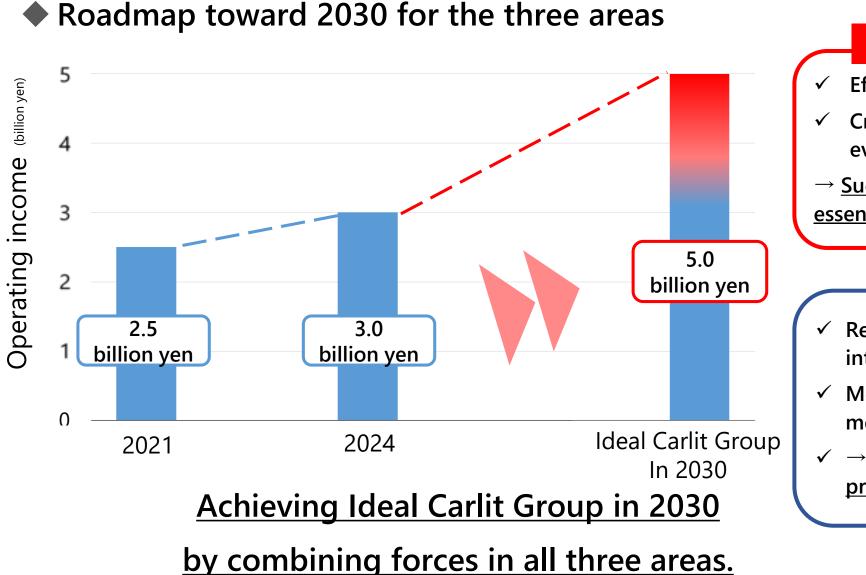
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Carlit Group's Vision for Growth

- Establish focus areas based on market needs related to social issues
- During the mid-term plan period (~2024), specialize in "development of new applications" of existing product lines to generate profits



Carlit Group's Vision for Growth



Focus Areas Develop Areas

- **Efforts in Focus and Develop Areas**
- Creation of new products through evolution of core technologies
- \rightarrow Successful growth businesses are essential.

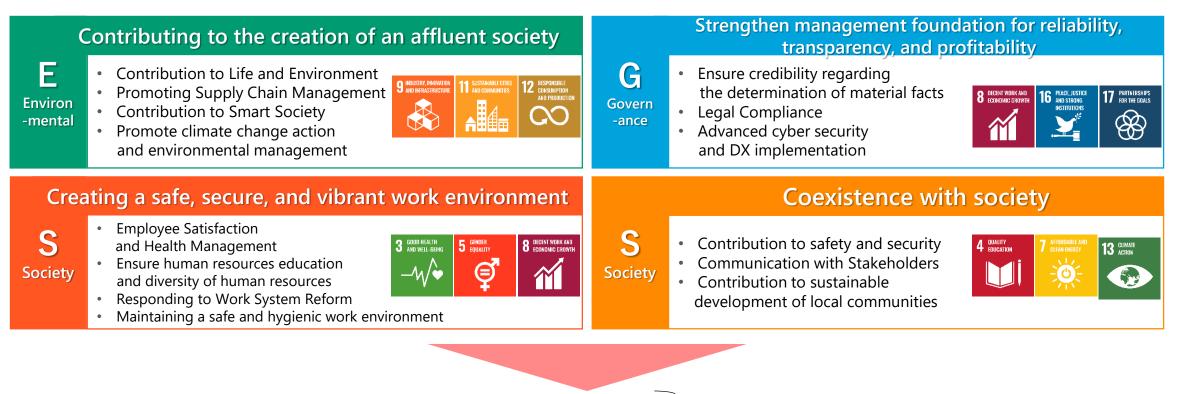
Base Areas

- Review of management through introduction of business portfolio
- Model change of product lines to meet customer needs
- $\checkmark \rightarrow \underline{\text{Improve and strengthen}}$ $\underline{\text{profitability of existing businesses}}$

Materiality of Carlit Group



- Management with "ESG and Profitable Growth"
- Contributing to the realization of a sustainable society through materiality

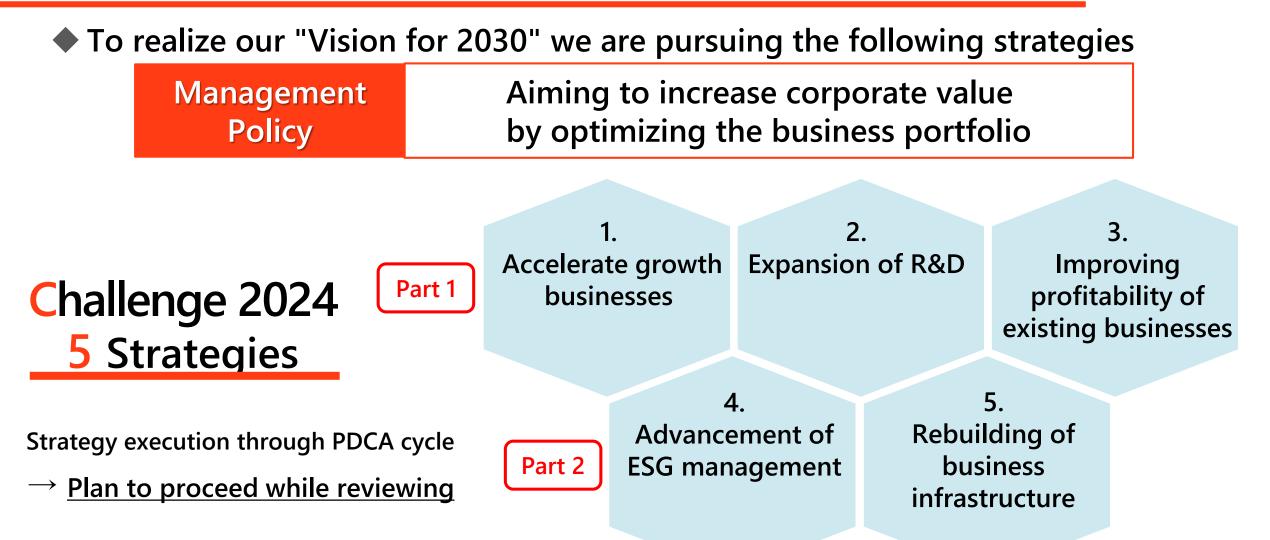


- Advancement of ESG Management
- <u>Restructuring of business infrastructure</u>

Implement these two points as a management strategy

Mid-Term Management Plan Challenge 2024

Management Policies and Strategies



Mid-Term Management Plan Challenge 2024

Part 1

1.2.Accelerate growthExpansion of R&Dbusinesses

3. Improving profitability of existing businesses

Challenge 2024 3 strategies related to performance

Signal Flares

Ceramic

abrasive grain

manufacturing

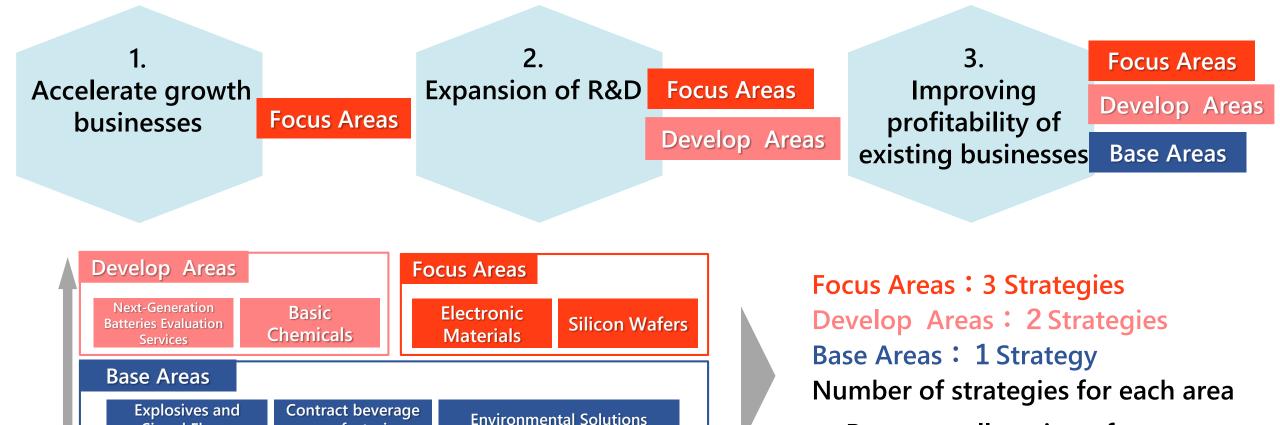
Metalworking

parts

• Build strategies for each of the three areas and execute portfolio management

(Construction, Architecture,

Painting, Design)



= <u>Resource allocation of</u>

people, equipment, and money

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1. Accelerate growth businesses

- Continuing to respond to new "needs" with our strengths and specificity
 Become a one-of-a-kind+ Niche Top Company by Our Unique Assets
 - Targeting the expanding market for the advancement of smart society
- Assumed Market
- → Developing products with the aim of becoming a one-of-a-kind chemical manufacturer
 Provide special high value-added materials necessary for the development of devices and systems such as PCs, 5G, in-vehicle systems, IoT modules, etc.

Growth Policy (Sales)

- Accelerate expansion into overseas markets, mainly targeting China
- Increase product lineups that are both unique and have high market appeal by capturing needs through communication with customers.

Growth Policy (Investment)

Electronic

Materials

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- In-house production of core processes
 - \rightarrow Expanding Profitability
 - \rightarrow Improvement of technical capabilities

1. Accelerate growth businesses

Creating areas that major manufacturers "can't make it" from areas that they " don't make it"

Assumed Market Start by approaching markets where major competitors "don't make it" Creating new markets together with our customers in areas where "can't make it".

- ✓ Special Quality
- ✓ High value-added products
- Developing valuable wafers to support industry and
 technological innovation where semiconductors are in short supply

Growth Policy (Sales)

- Meeting the needs of customers in "Insufficient wafers" and "Special wafers"
- Evolution of special wafers from customer information to more specific wafers
- Providing services from the development phase and making great strides in sales through mass production

Growth Policy (Investment)

Silicon

Wafers

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Renewal of manufacturing equipment to enhance functionality productivity increase : Renewal of 2 single crystal silicon ingot pullers Labor and energy saving : Automatic mounting machcine

High value-added products : high precision single wafer polishing machine, annealing chamber ²³

1. Accelerate growth businesses

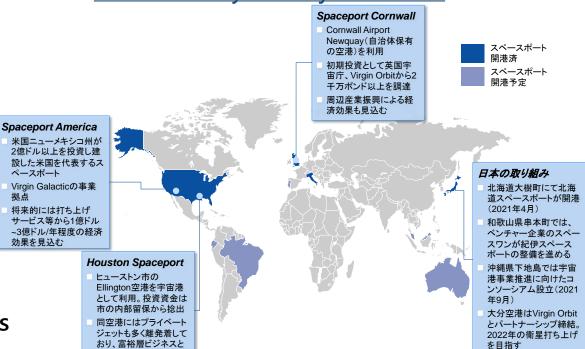
- Propellant raw materials" in the " Develop Areas : Basic Chemicals"
- Combining our expertise in oxidation reactions and hazardous materials and chemicals to create security and abundance in "space" and "sky" Status of spaceport projects under consideration and opening

Assumed Market

- Increased demand for defense, essential for domestic production
- \rightarrow Increased supply of solid propellants
- \rightarrow Satellite transportation business, including defense use, is becoming more active

Growth Policy

- Ammonium perchlorate production facility expanded
- \rightarrow Investment scale will be set flexibly
- Propellant development products for commercial rockets
- \rightarrow Continue to study production methods
 - To develop new applications, such as for defense



in each country and major initiatives

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Basic

Chemicals

Source: Mizuho Bank Industry Research Division

宇宙ビジネスの連携可

能性も存在

Spaceports, which are landing and taking off points for spacecraft, are being opened in various countries, including Japan.

2. Expansion of R&D



Expansion of R&D system, mainly in the "chemical field"

2022-2024	 Development of new long-life products through evolution of our core
Development Policies	 technologies Creating new high value-added materials through speedy development in response to change

• R&D Resources

R&D investment : 0.5 billion yen/year Development personnel: 35 Important patent: 41

Value Creation

Profit Target : 0.5 billion yen Patent Application: 30

PICK UP! Constructed a new third large laboratory

SDGs related products, etc.

 \rightarrow Product development to meet future social needs



Plans to introduce additional large laboratories following the first and second to increase the speed of scale-up development.

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✓ Chlorate ✓ Signal Flares

2. Expansion of R&D

Forecasting from "core technology" and backcasting from "future state "

We have created new products But...

no new Carlit "pillar" businesses have been created to rival

 ✓ Electronic
 Materials Transform into an organization that creates new businesses

by returning to and deepening core technologies

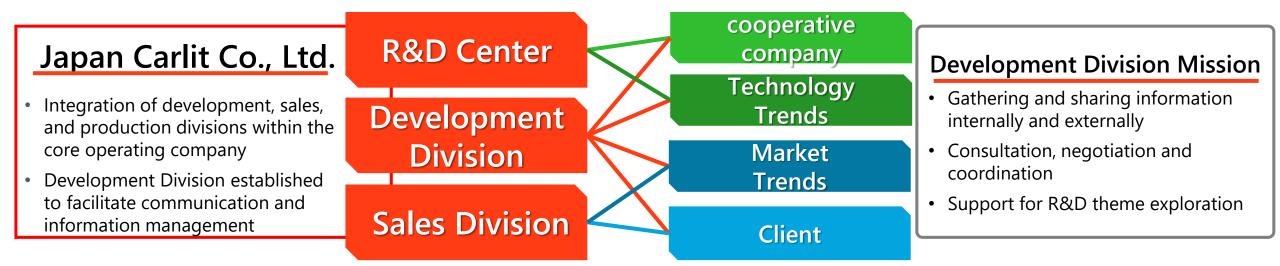
The future to	be realized	What future technologies are we aiming for?	Core technologies to be explored in depth
More advanced electronic devices such as cell phones	 Creating more comfortable living spaces Long-running electric vehicles 	Unique Oxidation Reaction Technology	Oxidation Reaction Technology
Realization of High-Performance Energy Storage Device Supporting Lifestyles from Space and the Sky	 Highly efficient use of H₂ energy Robust bioplastic 	Advanced electrolysis with original electrodes	Electrolysis Ionic
Further promotion of clean energy to achieve carbon neutrality	 Creating materials of the future using oxidation reactions Renewable Energy Optimization 	Synthesis technology to meet the latest needs	Compounds Synthesis Technology 26

2. Expansion of R&D

Execute "engineering chain management" to create "new products" from core technologies

Our R&D Structure

External Conditions

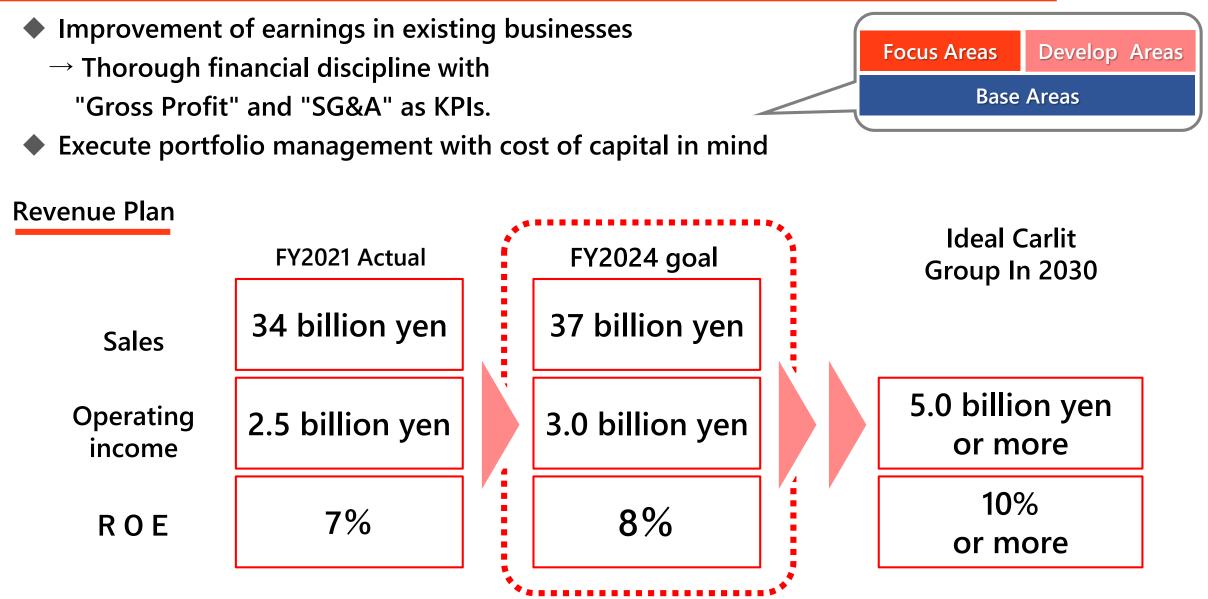


- <u>Speeding up management decisions</u>
- <u>Creating innovation through revitalized</u> <u>interdepartmental communication</u>

- Make accurate business decisions by supplementing accurate customer needs and market trends
- Promote innovation creation by overseeing internal and external information

Speeding up "management decisions" and "innovation" to create new products

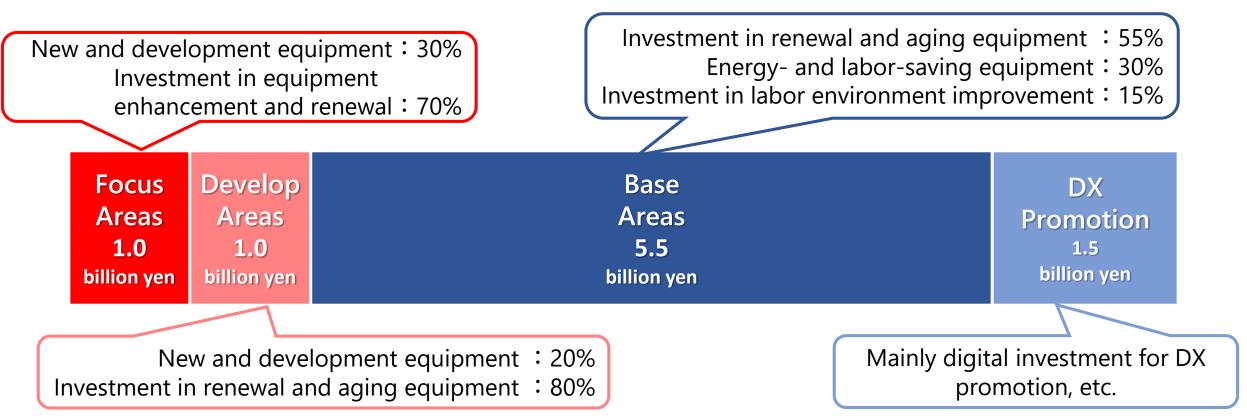
3. Improving profitability of existing businesses



信頼と限りなき挑戦

3. Improving profitability of existing businesses Carlit Holdings **Capital Investment Plan**





- In addition to investments in efficiency and manpower saving, investments that contribute to ESG and BCP are also actively executed in the infrastructure area
- Flexible investment allocations for uncertain growth investments such as M&As and raw material business for propulsion drugs are set separately from this table.

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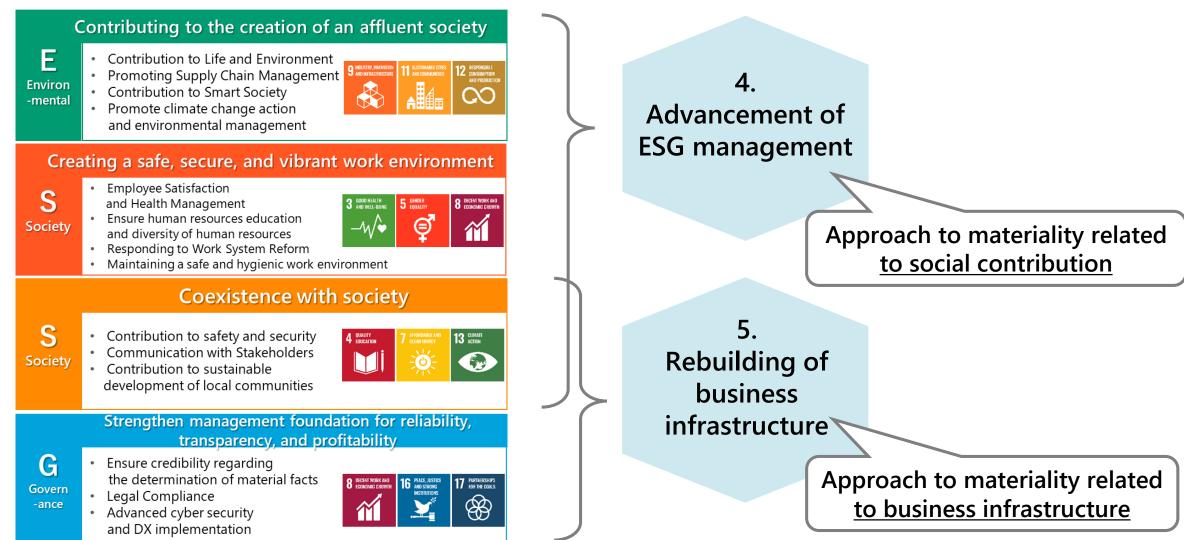
Mid-Term Management Plan Challenge 2024

Part 2

4. Advancement of ESG management 5. Rebuilding of business infrastructure

Challenge 2024 Two strategies for ESG

Build strategies for each of the materialities listed. Also execute portfolio management



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4. Advancement of ESG management Climate Change Action

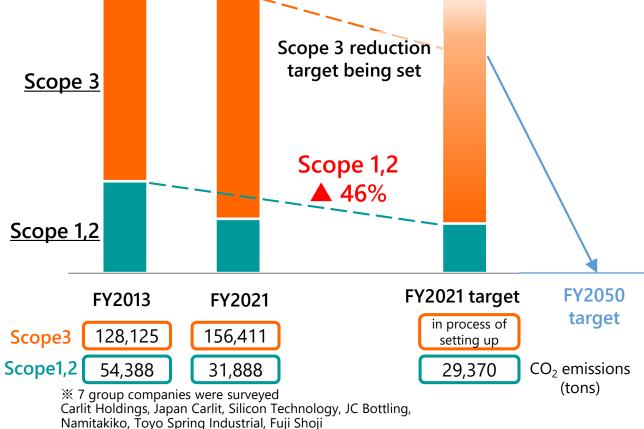


- Disclosure of climate change-related information in accordance with TCFD
- Analyzing and addressing climate risks and opportunities to enhance resilience

Strengthening of promotion and management systems	 Strengthening sustainability promotion and management systems Analyzing climate risks and opportunities to enhance resilience → Quantitative disclosure and formulation of response measures
Calculation & Analysis	 Improve the accuracy of GHG emissions analysis by introducing calculation services → Set GHG emission reduction targets for 2030 and 2050
Action	 Establish a plan for transitioning to carbon neutrality Promote development and expansion of environmentally friendly products and services
	 Promoting Sustainable Procurement Promote internal enlightenment through training, etc.

4. Advancement of ESG management The challenge of becoming carbon neutrality

◆ GHG emissions reduction target FY 2030 △46% (Scope1,2) FY 2050 Transition plan in place to achieve carbon neutrality



Working toward carbon neutrality

<u>Scope 1, 2</u>

Promote energy savings and creation

Promote the use of renewable energy

<u>Scope 3</u>

Enhanced promotion throughout the supply chain

- Introduction of high-efficiency, energysaving equipment
- Improve production and business processes
- Promotion of energy recycling
- Carbon offset through afforestation
- Efficient Use of Hydroelectric Power Plant Electricity
- Switch to renewable energy sources
- Expansion and expansion of solar power generation facilities
- Promotion of Sustainable Procurement
- Improving transportation efficiency
- Contribution to energy saving through new product development
- Promotion of 3R's

4. Advan	cement of ESG management Connection to Society	信頼と限りなき挑戦 Carlit Holdings
•	a rewarding workplace for employees g Diversity and Inclusion	KPI
Engagement	 ✓ Improved engagement "employee-company bond" ✓ Checking the relationship between employees and the company from multiple perspectives to identify and improve issues 	Employee Engagement Survey to be implemented from FY2022 → Continuous improvement of engagement score (KPI to be set in the future)
Human Resource Development	 Foster a desire to make management decisions from a group management perspective and to take on the challenge of creating new businesses Execution of various training programs such as "Management", "Leadership", etc. 	<u>Human capital investment: 20% improvement</u> <u>per person</u> (Next generation management especially strengthened 25% increase)
Health Management	 Focusing on improving the health of employees and their families, aiming for "Health and Productivity Management Organization" certification in 3 years. 	 100% of employees receive periodical medical examination Smoking rate 5%
Diversity	 ✓ Develop a work environment where diverse human resources can work together in the same way (remote work, factory automation, etc.) ✓ Promotion of women's activities 	Ratio of female manager FY2021 :1.8% FY2024 :3% or more FY2027 :5% or more

4. Advancement of ESG management Communication with Stakeholders



Promoting communication with stakeholders and providing value

For communication with stakeholders

- Promoting active and proactive communication based on guidelines for Investor and Company Engagement
- Continuation of financial results briefings and individual meetings
- Publish integrated reports in accordance with a framework that meets investor needs
- Organize small meetings on areas and products that are highly compatible with the SDGs and ESGs

Providing value to stakeholders

- Dividend policy with an eye on stable returns
- \rightarrow Continue to target a consolidated dividend payout ratio of 20% to 30%.

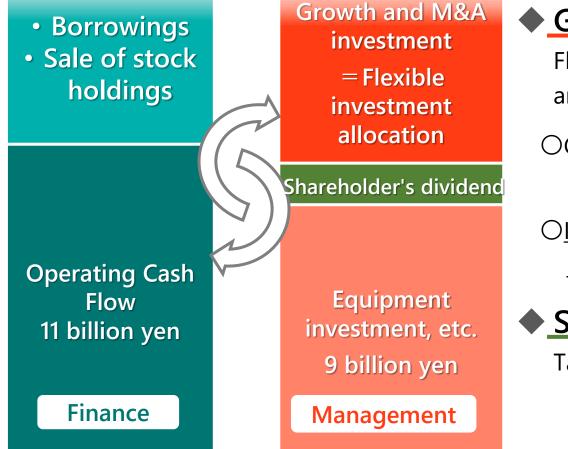
5. Rebuilding of business infrastructure Clarification of Financial Policies



Aggressive investment in growth is a top priority

⇒Not only equipment investment, but also M&A investment will be considered.

• Clarify financial policy and aim for optimal balance between investment and shareholder returns



Growth and M&A investment

Flexible allocation of growth investments to focus/develop areas

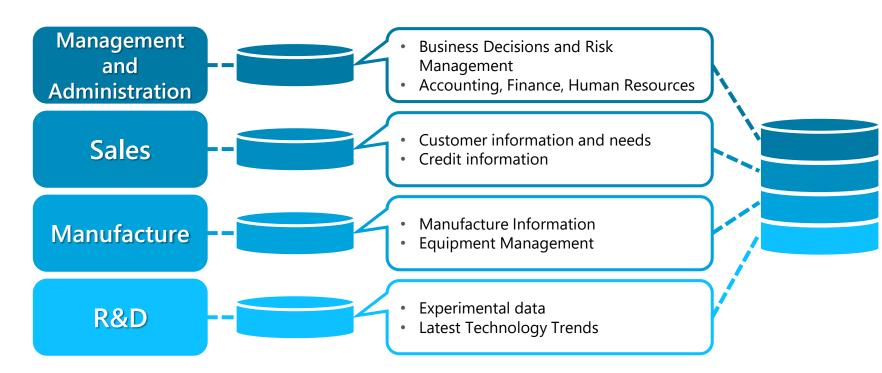
- OConsidering business alliances and M&A to strengthen market and technology competitiveness
- OInvestments to strengthen the raw materials for propulsion business

Shareholder's dividend

Target dividend payout : 20%-30%

5. Rebuilding of business infrastructure DX Promotion

- Accelerate digital investments to speed up management decisions
- Strengthen cyber security measures to prepare for increasingly sophisticated and complex cyber attacks



Digital investments consolidate and link information from various departments

Measure

- Expansion of telework, promotion of paperless office
- ✓ Cloud computing, optimization of IT tools
- Advanced Cyber Security
- Breaking away from legacy systems

Outputs

- Speeding up management
- Advanced risk management
- Understanding the latest external environment
- Improved efficiency of manufacture, procurement, and inventory
- Promoting the creation of new ideas

Finally

To realize our "Vision for 2030" we are pursuing the following strategies Management Aiming to increase corporate value by optimizing the business portfolio Policy 2. 3. **Expansion of R&D** Accelerate growth Improving Part 1 Challenge 2024 businesses profitability of existing businesses **5** Strategies 5. 4. **Rebuilding of** Advancement of Strategy execution through PDCA cycle Part 2 **ESG** management business \rightarrow Plan to proceed while reviewing infrastructure

信頼と限りなき挑戦 Earning Trust and Tackling Countless Challenges

Carlit Holdings

無限の可能性をカタチに Giving Shape to Infinite Possibilities

- The forward-looking statements about the Carlit Holdings Group's performance contained in this document are based on certain assumptions that we believe to be reasonable at the present time. Therefore, actual results may differ materially from the forward-looking statements.
- The following is a list of the main factors that may affect the Company's performance, but new factors may arise.
 - ① Global economic and social conditions and trends in regulations, taxation, and other laws and regulations
 - ② Rate of exchange
 - ③ Stock quotation
 - ④ Product supply-demand situation and parts procurement environment
 - 5 Financing environment
 - 6 Granting and licensing of important patents and patent-related disputes, etc.
 - ⑦ Regulations and issues related to the environment
 - 8 Defects in products or services, etc.
 - 9 Litigation and other legal proceedings
 - 10 Rapid technological changes and the timing of development, manufacturing, and market launch of products using new technologies
 - (1) Business restructuring
 - 12 Information Security
 - 13 Major disaster
 - (1) Social and political turmoil due to terrorism, war, infectious disease epidemics, etc.
 - 15 Important matters concerning directors, major shareholders, affiliates, etc. of the company