Annual Investors' Meeting 2024

Nitto Denko Corporation Hideo Takasaki President, CEO and COO

Yosuke Miki
Board Member
Senior Executive Vice President, CTO

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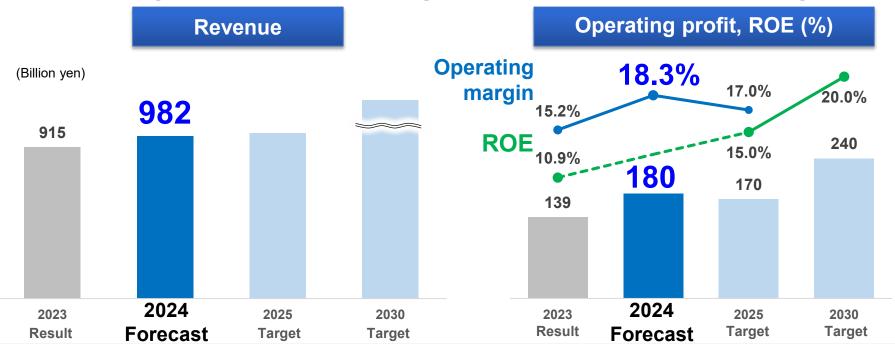


Progress on Mid-Term Management Plan - Nitto for Everyone 2025



Financial Targets – Progress to Date

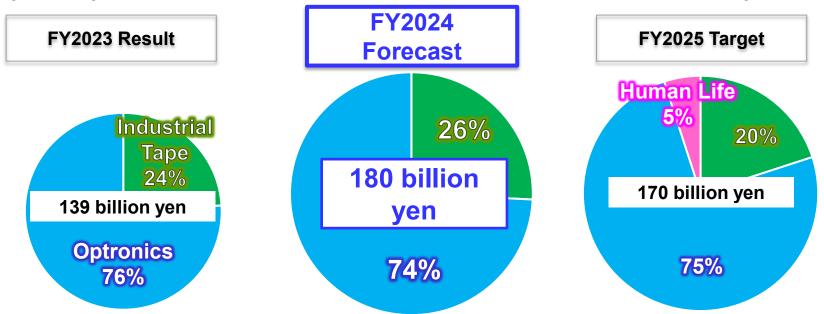
Having revised full-year forecasts for FY2024, expecting to achieve a record high for both revenue and operating profit





Current Business Portfolio (Operating Profit)

Profits from Industrial Tape and Optronics expanding
Optimize profits in Human Life to become a more well-balanced business portfolio



^{*} The segment compositions do not include Corporate/Elimination and segments with a loss. * Assumes that that Corporate/Elimination and segments with a loss in FY2025 will be the same level as in FY2022.



Update on Future-Financial Targets

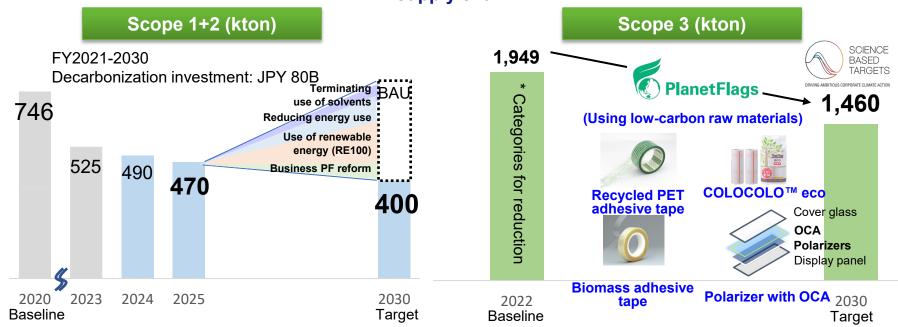
Several FY2025 targets achieved ahead of schedule Revised to a more stringent CO₂ emissions reduction target

Ongoing Targets						
	FY2023 (Result)	FY2025 (Target)	FY2030 (Target)			
New products ratio	41%	At least 35%	At least 35%			
CO ₂ emissions	525 kton/year	470 / kton/year	400 kton/year			
Female leaders ratio	20%	24%	30%			
Revised to a more stringent target from the previous 550 kton (Scope 1+2)						

		3				
	New Targets					
		FY2023 (Result)	FY2025 (Target)	FY2030 (Target)		
Products	Niche Top sales ratio The indicator measuring the expansion of essential Nitto products	44%	50 %	At least 50%		
lucts	PF/HF category sales ratio The indicator measuring the expansion of PlanetFlags/HumanFlags products	36% * Flags certified products	40 %	At least 50%		
Environment	Waste plastic recycling ratio The indicator measuring the progress toward circular economy initiatives	47%	50 %	60%		
	Sustainable materials procurement ratio The indicator measuring the procurement of materials considering the environment	16% * In Japan (non-consolidated)	20%	30%		
HR	Engagement score The indicator measuring employees" "sense of belonging," "work environment," and "physical and mental well-being"	81	78	85		
	Challenge ratio The indicator measuring the percentage of employees who have taken on the challenge for value creation	37%	70 %	85%		



(SBT)
Received SBT certification and revised to a more stringent target for Scope 1+2
A new target set for Scope 3 emission reduction, aiming for GHG(CO₂) emission reduction throughout the supply chain

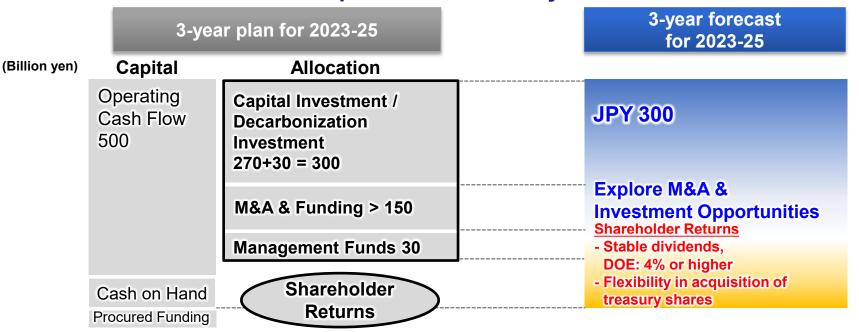


^{* 1.} Purchased goods and services (weight basis), 3. Fuel- and energy-related activities not included in scope 1 or scope 2, 4. Upstream transportation and distribution, 5. Waste generated in operations, 12. End-of-life treatment of sold products



Cash Allocation

Cash deployed to capital investments on track to plan
Stable dividends the foundation for shareholder return, with flexibility in
acquisition of treasury shares





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Industrial Tape



Creating New Products from Release Technology

Enabling Right to Repair – Tapes that peels off cleanly and without damaging products

Production Process

Optimize Production
Process
Improve productivity







Heated Foam Release



UV Release

Right to Repair

Ease of Fix
Repair and Replace



Smartphones (Battery Replacement)



Electric Release



Alcohol Release

Recyclability and Reusability





Household Appliances

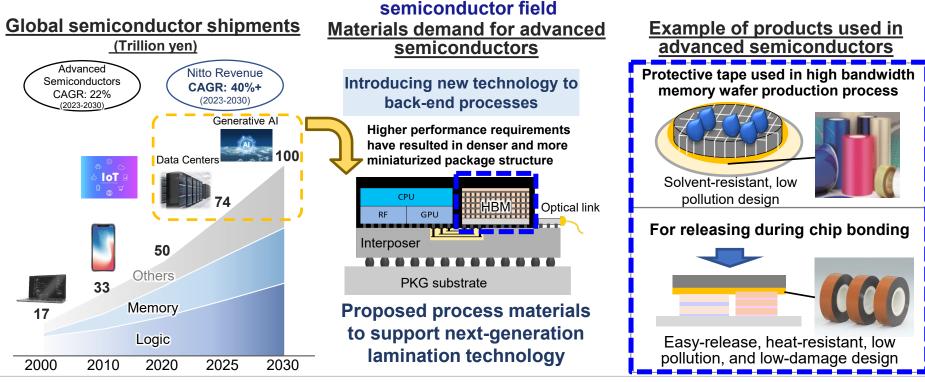
Automobiles

Simple and easy separation for repairs!



Advanced Semiconductors - Initiatives in Back-End Process Materials (Releasing)

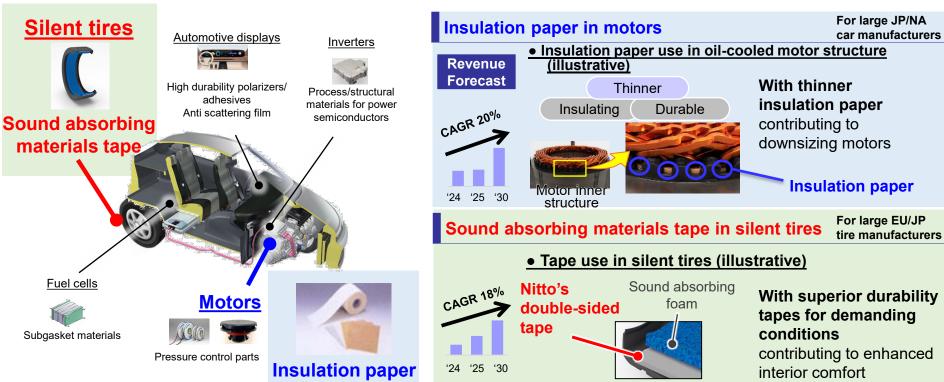
Driven by generative AI, addressing new demand for back-end process materials in the advanced





Products Contributing to Power & Mobility

Nitto products supporting both enhanced engine performance and comfort in EVs





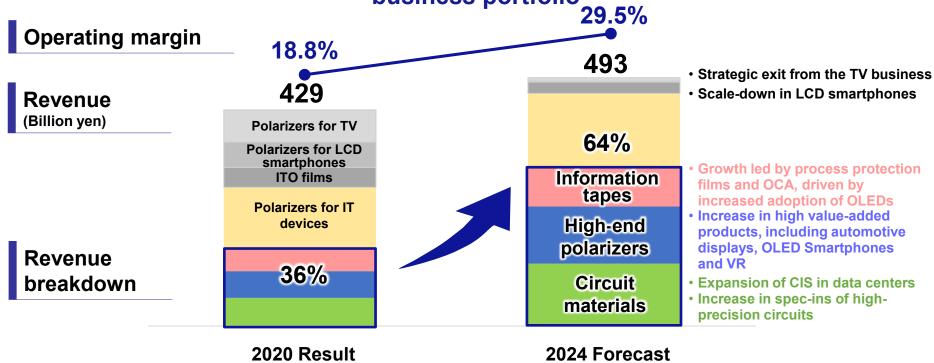
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Optronics



Optronics Business Portfolio Transformation

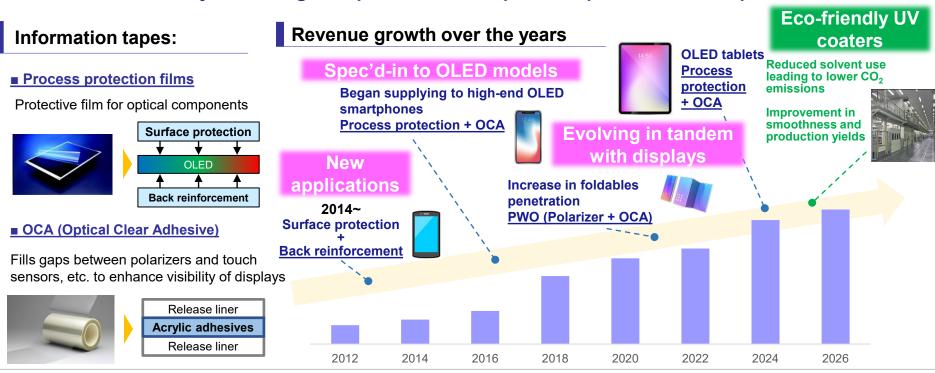
No.1 Market Share in the high-end market, evolved into a highly profitable business portfolio





Overview of Information Tapes and the History Behind it's Growth

Intimate customer relationship leading to spec-ins in growth markets and expansion of applications Currently evaluating multiple investment options to pursue further expansion





Initiatives in the Growing Smartphones and Foldable Market

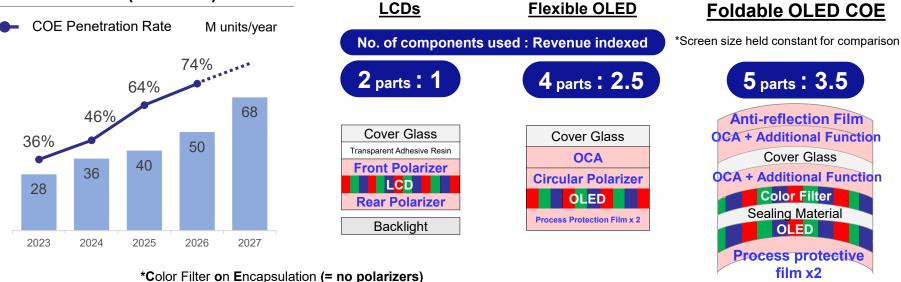
Revenue of non-polarizer components have expanded with the evolution of the display market

Nitto will continue to hold high market share in growth anticipated foldable OLED market by delivering

best-in-class solutions

Foldable volume and COE* penetration rate (Forecast)

Optimizing product mix in line with the change in display panels

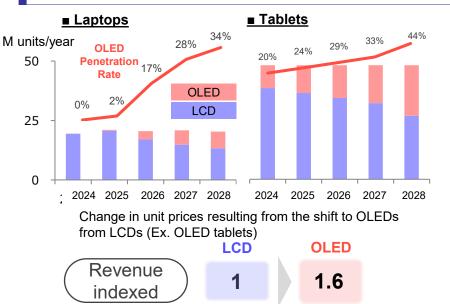




Addressing OLED Demand Outside of Smartphones

OLEDs adoption continues in high-end laptops and tablets – Maximize revenue through increased spec-ins Increased OLED adoption for super-large automotive displays in luxury vehicle – Nitto to win by supporting large sized and uniquely shaped displays

Product volume by application and OLED penetration rate (Forecast)



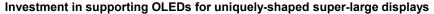
OLEDs for automotive displays

■ Support super-broad displays

Increase in demand for super-broad displays over 1,000 mm (One-Large) for luxury models anticipated

■ OLEDs are needed due to:

- Ease of design
- Bendability





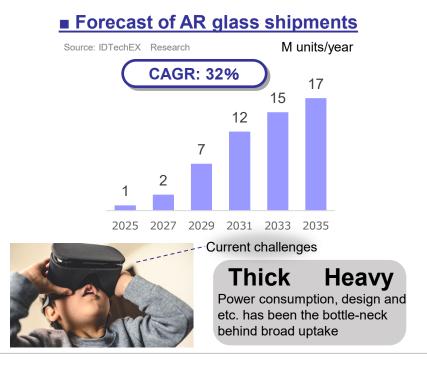


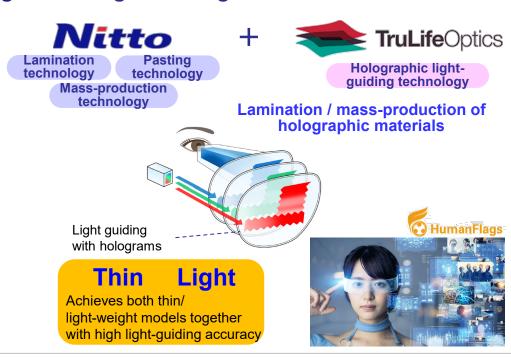
Support unique and super-long formats



Nitto's Solutions to the Expanding AR Market

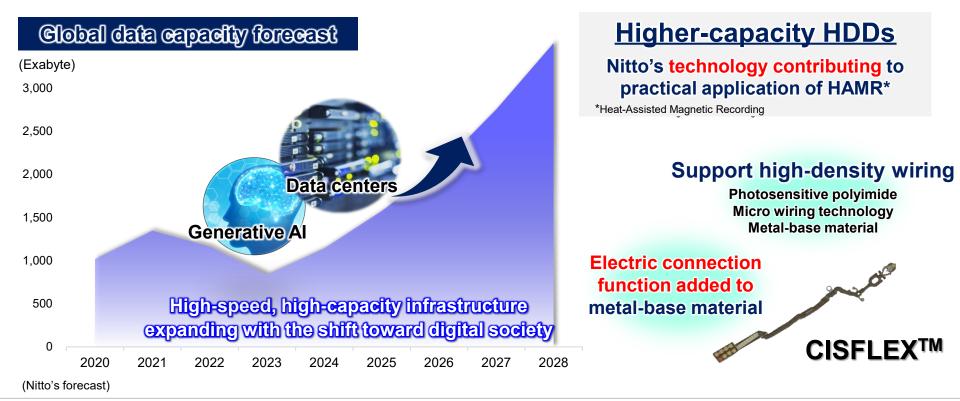
Combining Nitto and TLO's strengths in hologram lamination/mass production capability to resolve thickness/weight challenges in AR glasses







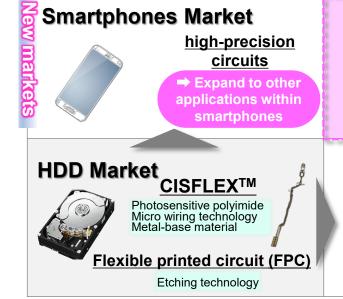
Nitto-CISFLEX[™] Supporting the Expanding HDD market and the Evolution in Higher-Capacity Storage





Growth Strategy for the Circuit Materials Business

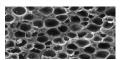
Create new demand by offering value based on "circuit technology+ α "





Entering high-speed communication and semiconductor markets

Porous formation technology



Thermal conduction technology

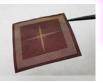
New technologies

Low dielectric substrates

Micro wiring technology Porous formation technology

Semiconductor package substrates

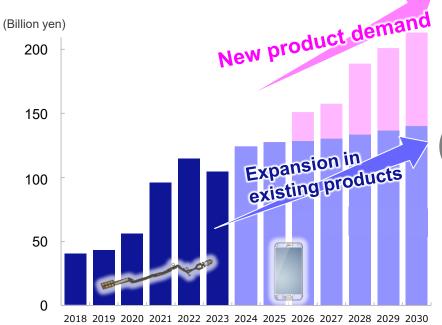
Micro wiring technology Thermal conduction technology





Revenue Forecast and Capacity Ramp-Up of the Circuit Materials Business

Revenue Forecast



Reassessed natural disasters and geopolitical risks Considering for new opportunities in high-precision circuits, revised investment plans within new plants

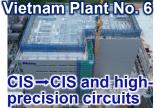
New plants scheduled to open in FY2024 Establish a two-plant setup for highprecision circuits production (Kameyama, Vietnam)







24 Sched



Scheduled completion in Dec. '24 *CISFLEXTM



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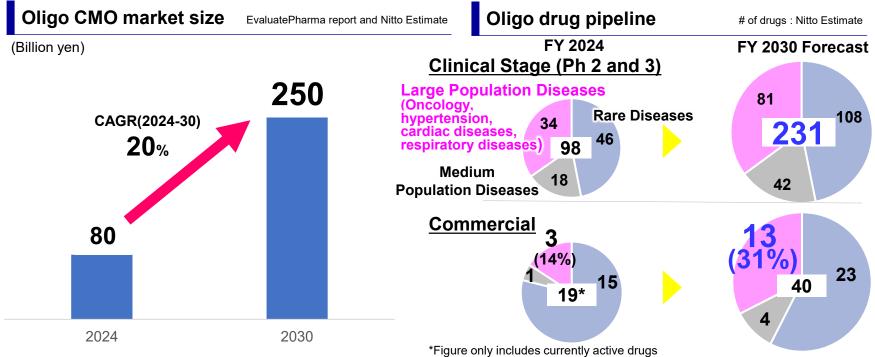


Human Life



Growth Potential of the Oligonucleotide (Oligo) Contract Manufacturing Market

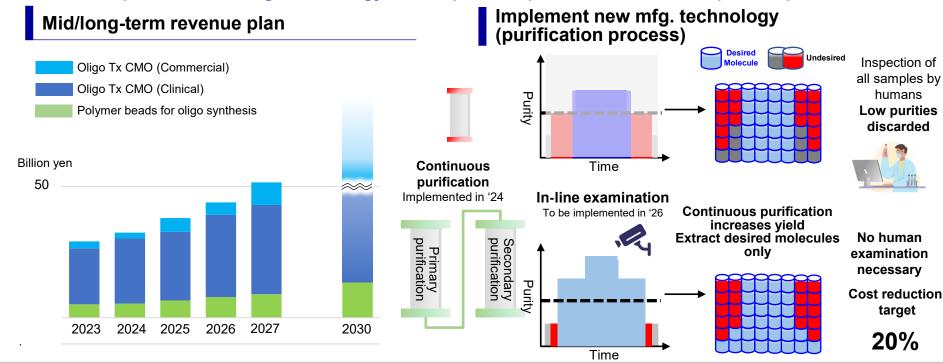
Market is expected to grow 20% a year, driven by increase in clinical cases and expansion of commercial drugs targeting large population diseases





Business Plan for the Oligo Manufacturing Business

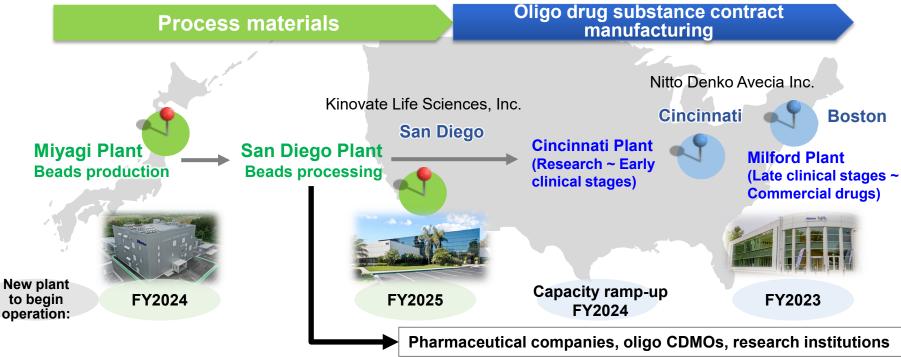
Expand the business toward 2030 by capturing emerging demand with focus on commercial drugs Implement new mfg. technology at U.S. plant as part of measures to optimize profit





Growth Strategy for the Oligo Business

In anticipation of market growth, increased production capacity of process materials and oligo CMO





Miyagi Plant – Installed First Hydrogen Conversion System/Boiler Equipment within Nitto Group

Installed hydrogen boiler and hydrogen converter for surplus solar power Operation to begin 2H/FY24, promoting efforts to reduce CO₂ emissions to zero

Electric power Increase green electricity supply

- Double solar power generation panels
- Procure green electricity



Before: Power generation shut down on holidays Going Forward: Generate power to convert into hydrogen



Hydrogen conversion device (Electricity → Hydrogen)



Hydrogen boiler (Hydrogen → Steam)



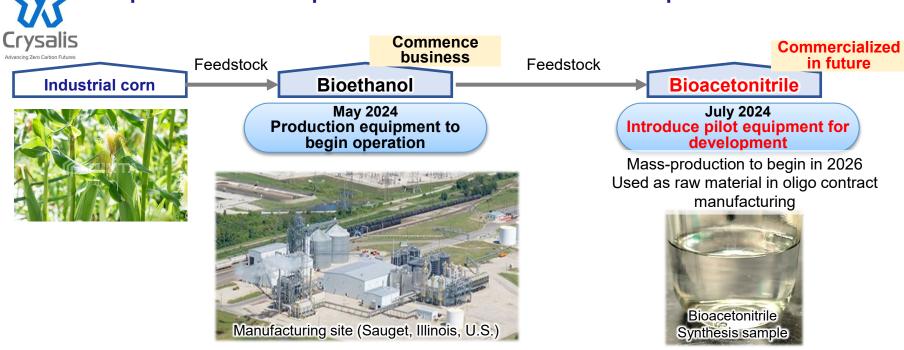
Steam

Boiler fuel changed from LPG to hydrogen. It will now supply "heat (steam)" that emits zero CO₂



Initiatives for Bio-Solvents

A biomaterials-development startup (in which we have a minority stake) will pursue the development of bio-solvents for social implementation





Growth Strategies for Personal Care Materials

Sustain growth with product lineup that adapt to changes in the environment

Growth strategies

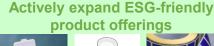
Proprietary technology

Key initiatives



Create eco-friendly products

- Propose products that comply with tighter environmental regulations
- Biodegradable nonwoven fabrics
- Thinning technology











Create new products in growth areas

- ➤ Expand adult and femicare product lines
- Anisotropic contraction film technology
- Liquid absorbing nonwoven fabrics

Launch comfort-enhancing products to market







Portfolio transformation

- Make an entry into industrial materials applications through intragroup collaboration
- Multi-layer lamination films
- High strength/High extensibility

Promote synergistic development themes









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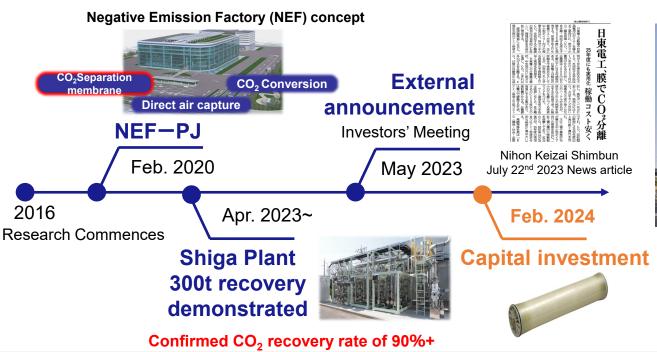
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New Businesses



History of CO₂ Separation Membrane Business

Project began in February 2020, and following the successful recovery of 300t in Shiga pilot plant, mass production of CO₂ separation membrane planned to commence in 2025





Mass production to begin Dec. 2025

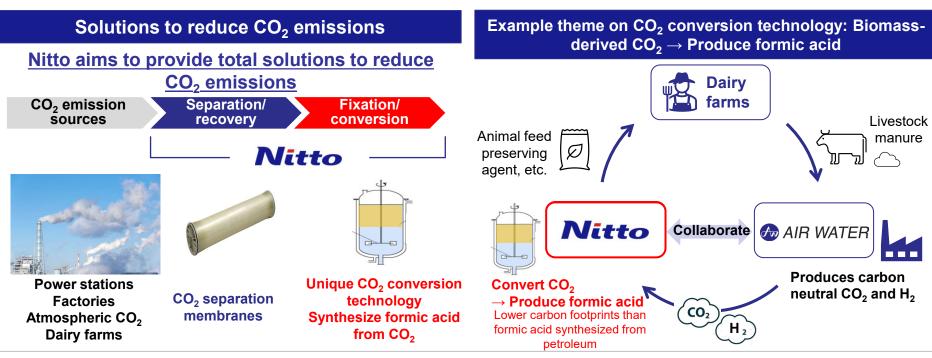
First shipment expected in 2026

Target 10 billion yen in revenue by 2030



Development of CO₂ Conversion Technology

Began initiatives to produce formic acid from biomass derived CO₂ using proprietary CO₂ conversion technology





Environmental Contribution – Recovery of Factory Solvent Waste

Realizing Cost and CO₂ reduction by utilizing Separation

Membrane

Factory Solvent Waste

Water + Alcohol-based +Impurities



Old Model (Combustion)





Reuse Solvents (Cost Reduction)













Innovation for Customers