

Strategies for Corporate Value Enhancement

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AND WELL-BEING		FQUMITY	CLEAN INFRICY	ECONOMIC ENTRY TH	AND INFORMATION
		12 RESPONSIBLE CONSIDERTION NOT PRODUCTION	13 action	16 PEACE, IUSTICE AND STRONG INSTITUTIONS	17 PARTNETSHIPS FOR THE GOALS

Agenda

- 1. Progress in Achieving the Mid-term Policy for 2025
- 2. Business Portfolio Reformation for Achieving Profitability and Exercising Philosophy
- 3. The Evolution of Mobility (Electrification & ADAS)



Progress in Achieving the Mid-term Policy for 2025



[Sustainable management] Strategies for "Green" and "Peace of Mind" and reinforcement of corporate foundation

Green Aiming to become carbon neutral by 2035		Peace of Mind Aiming to become a leading company that provides "peace of mind" to society		
	Main results (FY2022/2023)		Main results (FY2022/2023)	
Manufacturing (Monozukuri)	- CO2 emissions -50% (compared to FY2012) - SCOPE3 target disclosure (received SBT certification)	Zero fatalities from traffic accidents	 Achieved <u>world-class</u> wide angle of image sensor ADAS sales: 391 billion yen (YoY: 109%) 	
Mobility Products	 Market launch of <u>DENSO's first</u> SiC inverter Electrification sales: 680 billion yen (YoY: 117%) 	Comfortable Spaces	- Market launch of <u>the world's first</u> radiant heater technology to the market	
Energy Use	- Targeted market launch of SOEC/SOFC (from 2024 onward)	Support for Working People	 [Agriculture] Made Certhon Group a wholly owned subsidiary 	
Corporate foundation (Main results)	[Management foundation] Promoted the glo double materiality [Business foundation] Accelerated reforma		inancial KPIs and started the formulation of	

Steady progress in efforts to maximize the value of "Green" and "Peace of Mind"

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External evaluation and awards for initiatives

Main SRI/ESG investment index



Evaluation in Japan and overseas







IEEE Corporate Innovation Award Winner (Development and dissemination of QR⁻¹ code)



Energy Conservation Grand Prize Award Winner for 13 consecutive years



WorldSkills Competition Cumulative total of 34 gold medals



Amata Best Waste Management Award Awarded for 8 consecutive years (Thailand)



* QR Code is a registered trademark of DENSO WAVE

We received numerous high evaluations and awards for our business activities globally.

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[Financial strategy] ROE, operating margin, revenue



Almost achieved ROE targeted for 2025 by promoting financial strategy

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Business Portfolio Reformation for Achieving Profitability and Exercising Philosophy



Growth Strategy



Reinforce corporate structure by reforming our business portfolio between 2025-2030 and make further progress by creating new value beyond 2030

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Direction of Business Evolution





Software and semiconductors, which are fundamental technologies, will serve as a foundation for the evolution of mobility and the creation of new value.

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■Transformation of business portfolio [2025 ⇒ 2030]

Collaboration with partners to accelerate transformation of business portfolio

	2017 - 2023IN (450 billion yen)<7 years>[•Establishment/acquisition OInvestment]		Future direction		OUT [Business transfer]
New value	Agriculture/FA Energy, etc.	 Tohoku Pioneer EG AgriD Certhon Group 	Further scale up business toward the establishment of the "second pillar"	ation	TD mobile
Mobility	Electrification	 Toyota Motor Corporation Hirose Plant BluE Nexus 	Promote bold portfolio transformation with optimal	ash generatio	Fuel pump Type III alternator Spark plug ^{*2} Exhaust gas sensor ^{*2}
	ADAS	 J-Quad DYNAMICS Aurora Innovation 	partners		
<u>g</u> i pi	Semiconductor	 Renesas Electronics Infineon Technologies JASM^{*1} Rapidus Silicon Carbide LLC 255 billion yen 	Reinforce vertical integration to demonstrate comprehensive strength throughout the entire supply chain		
Fundame technolo	Software	 Fujitsu Ten Toshiba Information Systems (Japan) e-SOL 	Solidify development system for large-scale and advanced development		

Accelerate portfolio reformation through strategic partner collaboration in addition to organic growth

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^{*1} Japan Advanced Semiconductor Manufacturing ^{*2} Basic agreement to start considering business transfer

Resource strategy (Capital investment / R&D)



Shift investment from the internal combustion field to the Green and the Peace of Mind fields including electrification, semiconductor and software

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Cash Allocation



Improve "earning power" and make investment to realize further future growth and create corporate value

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The Evolution of Mobility (Electrification & ADAS)



Electrification ①: **Growth Strategy**



Drive our growth through our fundamental engineering capabilities, system development capabilities and manufacturing capabilities which are cornerstones of our business.

Electrification (2):Product Competitiveness

	Inverter	Comparison with competitors [Status of competitors]	Power supply system (BMU)	Comparison with competitors [Status of competitors]
Compactness	Lay-flat double-sided cooler for BEV	Cooling capabilities 1.4 times [Single-sided cooling]	High-withstand-voltage semiconductor integration process	Integration ratio 1.5 times [2023 model]
High functionality and reliability	In-house SiC manufacturing techniques with low defects and on resistance (RAF method, etc.)	Power loss -20% [External procurement]	High-accuracy current/voltage detection technologies	Accuracy 3 times [2023 model]
	ATC pulse pattern control that reduces loss * Angle Triggered Control	Power loss -10% [Three-phase PWM]	Breaking technologies we have cultivated through the production of automotive high voltage circuits	Supports large currents.
Production technologies	Reduced investment and lower costs with flexible lines that supports a diverse array of models			
Environmental response	Reduced environmental impact by considering reduction in CO ₂ emissions, recycling, and reuse on a material-by- material/component-by-component basis			

Contribute to improving electrification capabilities by honing the competitiveness of components through our engineering capabilities.



Electrification ③:**Product Lineups**



product competitiveness.

^{*2} Charging at a temperature of minus-30 degrees ^{*1} Comparison of CD segment vehicles that use a heat pump



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Electrification ③:**Product Lineups**



As customer needs diversify, contribute to the spread of electrification with a wide variety of products.

^{*1}Due to the high level of novelty of the product, the image is not available.

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Electrification(4): **Manufacturing Capabilities**



<Initiatives that support global production at Anjo EIC*>

Support globally expanded production at Anjo EIC, a global mother plant.

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ADAS (1) Maximization of the Value of Peace of Mind and Sustainable Growth



The key is to expand and promote response situations through the three pillar approach (ADAS x HMI / vehicle-infrastructure linkage).

ADAS²: **DENSO**'s Vision for Next-Generation System

Human-coordinated ADAS [System integration technology]



Aim to develop intelligent vehicles through the comprehensive strengths of ADAS-HMI linkage.

ADAS③: Technologies That Support Next-Generation System

Imaging Radar [Advanced sensing technology]

A compact, high-resolution radar tremendously improves sensing accuracy using 3D information. The evolution of detection areas and resolution <u>achieves vertical angles, outlines</u> <u>and environmental recognition, as well as conventional distance, speed, and horizontal angles.</u>



Improve vehicle capabilities through the combination of proprietary technologies and accelerate contribution to the value of peace of mind.

FY2025 Target and FY2030 Projection

				Newly disclosed	
ltem	FY2022 Result	FY2023 Estimate	FY2025 Target	FY2030 Projection	
Revenue	6.4 tril. yen	7.0 tril. yen	7.0 tril. yen (6.7 tril. yen in the previous announcement*)	7.5 tril. yen	
Electrification sales	680.0 billion yen	840.0 billion yen	1.2 tril. yen (1.0 tril. yen in the previous announcement*)	1.7 tril. yen	
ADAS sales	391.0 billion yen	435.0 billion yen	520.0 billion yen (500.0 billion yen in the previous announcement*)	1.0 tril. yen	
Operating margin	6.7%	9.0%	10%	120/ 10001	
ROE	7.3%	9.7%	Over 10%	12% level	

* Dialog Day in December 2022

The FY2025 target is close to being achieved, and

we have set the new FY2030 projection with the aim of driving further growth.



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