

New Management Structure Strategy

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DENSO's history and its cultivated strengths



"the three-pillar system development capabilities"

Environmental changes in the auto industry and the vision of initiatives

Past	Future	Social demand	
"Low carbon"	"Decarbonization"	Acceleration of carbon neutrality	
Globalization	Diversification	Multi-pathway	
Mass production/ consumption	Optimal production/ consumption	Circular economy	
Hardware	Hardware × Software	Integrated systems	

Broaden the perspective to solve issues of society as a whole, not just vehicles

Progress to be made under the new management system





Expand the scope of value offered by DENSO based on automotive technologies to contribute to a mobility-centered society

* FA: Factory Automation

Declaration under the new management system



Three Initiatives



Evolution of Mobility — Electrification —

Product competitiveness	Improve functions and performance to enhance competitiveness	 Establish an advantage for inverters in terms of cooling performance and power loss Develop high-voltage-resistant, high-accuracy power systems 	
Product lineups	Improve the product lineups to meet various needs of customers	 Offer an extensive product lineup from core components to systems Offer energy management systems from the viewpoint of an entire vehicle 	
Manufacturing	Achieve the development speed that meets global needs and build the mass production system	 Shorten the development period in half through integration of functions and DX Establish a bridge supply system based on five regions in the world 	
Revenue in 2025	1.0 trillion yen (Previously announced *)	Revenue in 2030 1.7 trillion yen	

* Dialog Day in December 2022

Evolution of Mobility — ADAS —

Product competitiveness	Increase the percentage of accident scenarios covered by coordinating ADAS, HMI ^{*1} and infrastructure	 Improvement of ADAS functions by developing next- generation products Optimal driver assistance in coordination with the driver and traffic environment
Product lineups	Identify various needs of respective regions and customers	 System packages that meet the characteristics of respective regions and customers Use of optimal sensors depending on the required detection accuracy
Technology development	Develop next-generation technologies that underpin the evolution of systems and components	 Development of control coordination technologies to differentiate from competitors Establishment of high-performance sensing technologies by using three-dimensional information
Revenue in 2025	500 billion yen (Previously announced ²)	Revenue en in 2030 <u>1.0 trillion yen</u>

^{*1} HMI: Human Machine Interface

^{*2} Dialog Day in December 2022

Strengthening Fundamental Technologies — Semiconductors —

Power	Accelerate introduction of SiC power semiconductors to the market, which help improve electric mileage	 Practical application and cost reduction of high- quality wafers, and reduction of CO₂ emissions Achieving stable supply through cooperation with our partners 	
ASIC*1	 Differentiate ourselves by developing in-house products that support in-vehicle Mass production of world's first IC for monitoring cell batteries Realization of small ICs using high-heat-dissipat packages 		
SoC*2	Build SoC* optimal for in-vehicle applications through collaboration in the industry	 Cost advantage by acquiring chiplet technologies Development of cutting-edge processes for the era of automated driving 	
Total investment by 2030		Business scale by 2035 (triple the current level)	

^{*1} ASIC: Application Specific Integrated Circuit

*2 SoC: System on Chip

Strengthening Fundamental Technologies — Software —

ECU- embedded software	Realize large integrated ECUs based on various software IPs and implementation capabilities	 Possession and utilization of a library of various in-vehicle software products, which competitors do not have Integration and implementation of large-scale software meeting complex functional requirements 		
Standalone software	Lead standardization and greater use of common software across OEMs	 Development of tools for the development environment and security software Spread and commercialization of OTA^{*2} to enhance the attractiveness of SDVs^{*1} 		
Development capabilities Strengthen human resources, both quality and quantity, to build a robust software development system		 Doubling of development efficiency by a seamless process from specifications to implementation An increase of 6,000 engineers in the upstream process/advanced development 		
Software engineers in 2030	18,000 engineers (1.5 times the current level)	Business scale by 2035 (including ECU- embedded software) BOO billion yen (4 times the current level)		

^{*1} SDV: Software Defined Vehicle ^{*2} OTA: Over The Air

Creation of New Value

Energy	Enter the hydrogen business to accelerate the realization of carbon neutrality	 Utilization of ceramic ejector technologies, thermal management technologies, etc. Marketing of SOEC^{*1}(production) /SOFC^{*2} (use) systems 	
Food and Agriculture	Industrialize farms on a full scale to contribute to a stable food supply	 Introduction of manufacturing principles to horticulture, which is compatible with factories Global business deployment by making the Certhon Group a wholly owned subsidiary 	
FA	Spread factory automation to overcome labor shortages	 High-quality, highly durable robots for various applications Establishment of flexible and lean automation lines 	
Revenue in 2030		Percentage of overall revenue in 2035 (current level) \rightarrow (10 times)	

*1 SOEC: Solid Oxide Electrolysis Cell *2 SOFC: Solid Oxide Fuel Cell

Summary of targets

	Creation of New Value	Percentage of overall revenue in 2035	New businesses	20%
	Evolution of Mobility	Revenue in 2030		1.7 trillion yen1.0 trillion yen
	Strengthening Fundamental	Development system in 2030	Software engineers	18,000 (1.5 times the current level
- Colles	Technologies	Investment until 2030	Semiconductors	500 billion yen

Management that values our people

