

### **Commitment to**

## "Peace of Mind"

May 26, 2021 Yoshifumi Kato

Senior Executive Officer, CTO

**DENSO** Corporation



DENSO supports the Sustainable Development Goals (SDGs).



#### **1** ZERO Traffic Accidents **2** Comfortable space **3** Support for workers

Eliminating traffic accidents and realizing freedom of mobility for all

Creating peaceful, comfortable spaces



Establishing a society where people are supported and their potential is nurtured





Eliminating traffic accidents and realizing freedom of mobility for all



#### Social background and challenges



Source: NHTSA, TRAFFIC SAFETY FACTS,

the RAND Corporation, THE ROAD TO ZERO: A Vision for Achieving Zero Roadway Deaths by 2050 European Commission, EU road safety policy framework 2021-2030: Next steps towards 'Vision Zero' United Nations, Resolution adopted by the General Assembly on 31 August 2020 Cabinet Office, 11th Fundamental Traffic Safety Program

#### Reducing traffic accidents is a global issue.





# DENSO started to offer passive and active safety products in the 1980s to contribute to reducing traffic accidents around the world.



Spread safety products with both "depth" and "width" with the aim of "eliminating traffic accidents", the ultimate goal

### Depth

### Width



Further evolution of ADAS



Provide attractive and affordable products



Hazard prediction by applying AI All-around sensing

n by Add-on

Introduce the products to many more advanced mobility vehicles

Expand the lineup of retrofittable products

Spread the products to as many vehicles as possible





# Cope with many more accident situations based on surround monitoring, coordination with infrastructure and in-vehicle sensing

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Hazard prediction by applying AI



## Offer information without disturbing the driver



Develop technologies that prevent the driver from getting close to hazards by offering hazard prediction information





## Width

Offer value for various situations and needs





Vehicle types Accident situations Software update

### Monitor daily driving/prevent mistakes **Prevent accidents**

Expand the lineup of retrofittable products in line with the evolution of ADAS



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## **Comfortable Space**

Creating peaceful, comfortable spaces



#### **Social Background and Challenges**

**Air pollution** 91% of the population live in areas that exceed WHO standards and 4.2 million lives are lost annually \* 1



#### Anxiety for air pollution

#### Concern about virus infection and invisible air

Sources 1\*: WHO health-topics, air pollution 2\*: Johns Hopkins University, Coronavirus resource center

Quickly meet the social needs for an air environment that gives peace of mind as a leading maker of car air conditioning system



**COVID-19 pandemic** Spread all over the world More than 160 million people infected \* 2



#### Offer and spread "a peaceful space" by 2025 and design "a vibrant space" by 2030





#### Solutions Offered by DENSO Improvements to offer and spread "a peaceful space" by 2025 Achieve "air quality" that gives peace of mind by removing viruses and visualizing hazardous substances



## Deploy products to the in-vehicle space (e.g., passenger cars, public transport services) and public spaces to spread "a peaceful space."





## Support for workers

Establishing a society where people are supported and their potential is nurtured



#### Social Background and Challenges

#### Decrease in the working population





# Declining working population is a serious issue in agriculture, logistics industry, and manufacturing sites

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## Offer "peace of mind" to all people and industries by using technologies refined in the development of automotive components



Industries in which DENSO plans to offer "peace of mind" in the future





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Peace of Mind Aiming to be a leading company that provides "peace of mind " to society

	Goal	DENSO's activities Value proposition	Current Achievement Level	Target
1 ZERO Traffic Accidents	Spread safety products in both "depth" and "width" with the aim of "eliminating traffic accidents"	<ol> <li>Developing products to cover all types of accidents</li> <li>Expanding sales of core products and variation of retrofit products</li> </ol>	<ul><li>①Assortment of in-vehicle sensors</li><li>②Sales 320 billion yen</li></ul>	<ul> <li>①All around in- vehicle sensors Strengthen Map, V2X and DSM*</li> <li>②ADAS Sales 500 billion yen (2025)</li> </ul>
② Comfortabl e Space	Offer and spread "a peaceful space" by 2025 and design "a vibrant space" by 2030	- Relieve anxiety about invisible air - Creating comfortable space with four environment, "Temperature" "Sound" "Air" "Visibility"	Launching commercial products in Japan	Spread in-vehicle products and expanding into public spaces (2025)
③ Support for worker	Solve the problem in each industries using DENSO's technologies	Providing solutions that systematize technology and quality in total	Demonstration and commercialization	300 billion yen sales for agriculture, logistics and FA (2030)

\*DSM: Driver Status Monitor

DENSO's Sustainability Management; Solving social issues through business. "promotion of products and systems" x "safety"



## With DENSO technology, Create a society filled with "peace of mind"



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