Social Changes as of 2030 and Key Initiatives for DENSO

changes will have an impact on the key initiatives of DENSO.

We are narrowing down our forecasts of future society, revising them every year through PEST (political, economic, social, and

risks and opportunities and identified key initiatives for DENSO moving forward. We will work to gain an accurate understand-

ing of the outlook for the CASE revolution and changes in the mobility society, and thoroughly examine whether or not these

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technological) analysis, using social changes as of 2030 as a key theme. In accordance with this theme, we have analyzed

Awareness of Business Environment

Amid the ever-increasing global population, aging societies, and advancing urbanization, the progression of global warming and the increase in traffic accidents are becoming serious social issues. In addition, people's values are diversifying and these issues are becoming increasingly more complex as a result of the digitalization of society and the advancements in robotics, the impacts of the COVID-19 pandemic, and rising geopolitical risks. Furthermore, in the mobility domain, measures are being taken to address a number of issues, such as efforts toward achieving carbon neutrality, reducing traffic accidents, and easing traffic congestion. These issues, coupled with the proliferation of IoT and AI, have led to advancements in electrification, automated driving, and connected driving.

Going forward, we will continue to pursue the resolution of social issues while accurately assessing and responding to risks and opportunities related to these various social changes.

Response Measures to Risks and Opportunities

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Key Initiatives for DENSO

Politics

Tightening supply—demand situation for energy across the globe and the shift from low carbon to carbon free
 Acceleration of international cooperation to respond to climate change in light of the urgent need

Forecasts of Future Society

Economy

Society

Consumption behavior becoming more ethical and experience-based with the shift to the sharing economy

Progression in the transition to labor offered by Al and robotics, changes in work ethic and

 \bullet Change in value systems related to social distancing and mobility \cdots

Technology

 Integration of digital and physical domains due to the proliferation of loT-related technologies (communications and other devices)

Productivity enhancement and value chain integration through the use of big data --- Transition from the development phase to the phase of Al and quantum computer utilization



Keywords for Social Changes by 2030

1 Shift toward a recycling-oriented, carbon-free society

Changes in the powertrain mix

Diversification of people's values and consumption behavio

3 Emergence of social issues

Aging population, depopulation, overcrowding, and congestion

Structural changes and instability within
 the international community

Risks and Opportunities

1 Shift toward a recycling-oriented, carbon-free society

 Tightening and acceleration of environmental regulations on the automotive industry

Risks

 Introduction and expansion of environmental taxation by the governments in each country and region

 Increasing demand for the transition to carbon neutrality within the product production process

 Increasing needs for systems to respond to electrification and alternative fuel (e-fuel, hydrogen fuel, and biofuel)

Heightened expectations for new technologies
 Opportunities that contribute to carbon neutrality (CO₂ capture, storage, reuse, etc.)

Growing demand for highly efficient production technologies that achieve solid energy-saving effects Regarding the risk of climate change, we believe there will be greater opportunities for us to popularize our long-cultivated technologies for fuel efficiency, low exhaust gas, and electrification around the world. Through flexible cooperation and competition with other companies, we aim to accelerate the development of technologies for reducing CO_2 emissions and realize the stable supply of such technologies on a global scale. At the same time, we will help reduce CO_2 emissions across society through the development of new technologies such as those that capture, store, and reuse CO_2 . We will also strive to reduce and curtail CO_2 emissions from our business activities, including in our manufacturing activities and across our supply chain, with a view to achieving a carbon-free society.

2 Diversification of people's values and consumption behavior

• Reduction in transportation as the customs in the new normal era become commonplace

Risks

Internity in a decome common place

Intensifying competition due to the increasing entry of IT companies in the automotive industry in response to the digitization of cars

Onnortunities

 Heightened awareness of "peace of mind," leading to the diversification of technologies related to "peace of mind" and expansion in value systems (social distancing, privacy, disaster alerts, etc.)

Rising need for added value due to the accelerating shift to digital technologies and IT
 Growing awareness of eco-friendly products

By swiftly responding to diversifying needs such as automated driving and the provision of safe and comfortable vehicle interiors, we can increase the number of growth opportunities for DENSO. To respond to the risk of companies from other industries entering the automotive industry, we are collaborating with other companies both inside and outside the automotive industry to leverage our respective fields of expertise while also strengthening our unique technological and Monozukuri (manufacturing) capabilities. By doing so, we will invigorate our development activities in new domains with a sense of speed.

3 Emergence of social issues

Risk

 Trend in turning away from automobiles due to the impact of social issues (increase in traffic accidents due to the declining birthrate and aging population, air pollution, worsening traffic congestion resulting from urbanization, etc.)

Opportunities

 Expansion of businesses that contribute to the resolution of social issues (growing needs for automated driving, the prevention of traffic accidents, food safety, electrification to address labor shortages, etc.) Alongside the commercialization of products such as household appliances and automobiles, social issues such as aging societies, the depopulation of rural areas, overcrowding of urban areas, and traffic congestion have become more severe. To resolve these issues, we will accelerate the development of technologies that help prevent accidents and eliminate traffic congestion. By leveraging the know-how we have cultivated through our *Monozukuri* activities, including invehicle, automation, and loT know-how, we will strive to constantly develop technologies and create businesses in the non-automotive domain that help keep people safe and work to expand these technologies and businesses across the globe.

4 Structural changes and instability within the international community

Risks

 Revisions to business models (regulation response and supply chains) due to conflicts between countries and regions

Rising threats toward DENSO's business management (military strikes, cyberattacks, etc.)

Progressing expansion of new markets and business partnerships with the aim of resolving social and environmental issues

-----I Against the backdrop of differences between political structures, the international community is becoming increasingly confrontational and factionalized in various fields, and we forecast that this will bring about dramatic change in our operating environment and increase business risks. To achieve stable business management under these circumstances, we are strengthening our governance and risk management systems so that we can respond flexibly to changes and risks.

Maximizing the Value of "Green" and "Peace of Mind" to Be Inspiring

The rapid changes in society that will occur going forward (such as changing values and behavior) present a significant opportunity for a company such as DENSO, which has continued to refine technologies and gain experience in the mobility domain. With the aim of reducing our environmental burden and realizing a society without traffic accidents, we will actively promote the creation of a mobility society with a view to achieving the goals of "lasting vitality for the environment" and "safe, comfortable, and flexible mobility for all people." Furthermore, we will leverage the technologies we have cultivated through automotive products, system development, and *Monozukuri* to offer peace of mind and safety not just in the mobility domain but to all people in society. By doing so, we will continue to create new value that inspires society.









Reinforcing the Corporate Foundation That Underpins Our Value Creation

To flexibly resolve social issues, which are becoming more complex and diverse, we need to strengthen our risk management and other governance frameworks with the goal of minimizing the impacts of risk. It is also important that we cultivate professional human resources and establish a vibrant organizational culture. In these ways, we will support the creation of higher quality value at faster speeds by reinforcing our management foundation.



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