

FY2019 1st Half Financial Results (2018/4-9)

Oct. 31, 2018
DENSO CORPORATION



l. Closing results



Overview of FY2019 1st Half Financial Results

- Despite natural disasters, revenue increased due to the increase in global car production and the subsidiaries DENSO TEN which was consolidated on the last November.
 Operating profit decreased due to transient profit in the last fiscal year, variance of periods in collecting expenses and increase in investment for future growth.
- Upward revision to full-year forecast considering the first-half financial results and the latest movement in the foreign exchange markets.
- 3. Annual dividend payment will be 140 yen, a 5 yen increase from the previous forecast on each of interim and fiscal year-end payment.



FY2019 1st Half Financial Results (2018/4-9)

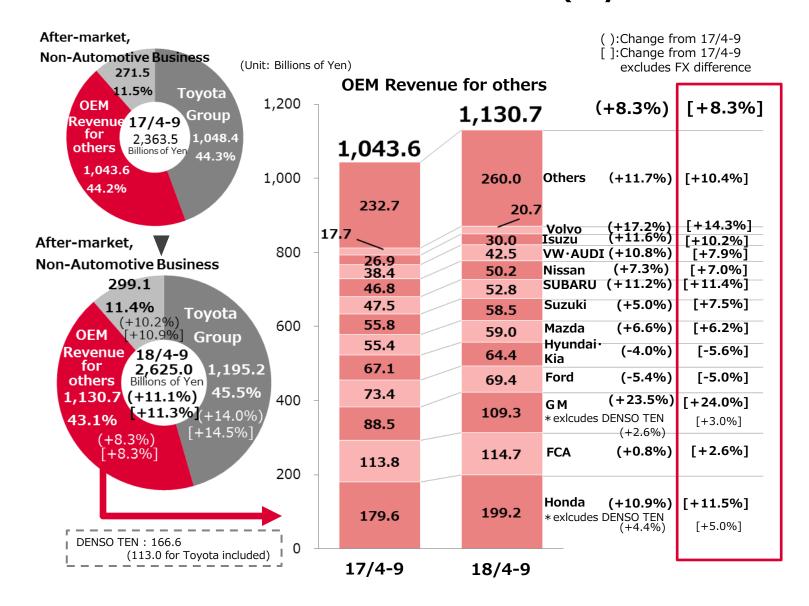
| | | (Unit:Billions of Yen, %) | | | | | | |
|---------------------------------------|-------------------------------------|---------------------------|------------------|--------|------------------|-----------------|------------------|--|
| | | 2018/4-9 | | 201 | 7/4-9 | Change | | |
| Revenue Operating Profit | | (5.8%) | 2,625.0 152.4 | (8.7%) | 2,363.5 204.4 | +261.5 -52.1 | +11.1% -25.5% | |
| Finance income/ costs & others(*1) | | | 17.8 | | 22.3 | -4.5 | | |
| Profit before Income Taxes | | (6.5%) | 170.2 | (9.6%) | 226.8 | -56.6 | -24.9% | |
| Pr | ofit (*2) | (4.3%) | 114.1 | (6.5%) | 154.2 | -40.1 | -26.0% | |
| | | | | | | (Unit:Millio | ns of Units) | |
| _ | Foreign Exchange Rate | JPY | 110/\$ | JPY | 111/\$ | -1 JPY | | |
| reco | | JPY | 130/Euro | JPY | 126/Euro | +4 JPY | | |
| Precondition | Domestic Car Production | | 4.47 | | 4.54 | -0.07 | -1.5% | |
|) | Overseas Car Production of Japanese | | 10.23 | | 9.89 | +0.35 | +3.5% | |
| | (North America) | | (2.90) | | (3.01) | (-0.11) | (-3.7%) | |

^{※1} Finance income, Finance costs, Foreign exchange gains/loss, Share of the profit of associates accounted for using the equity method



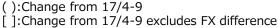
^{※2} Profit attributable to owners of the parent company

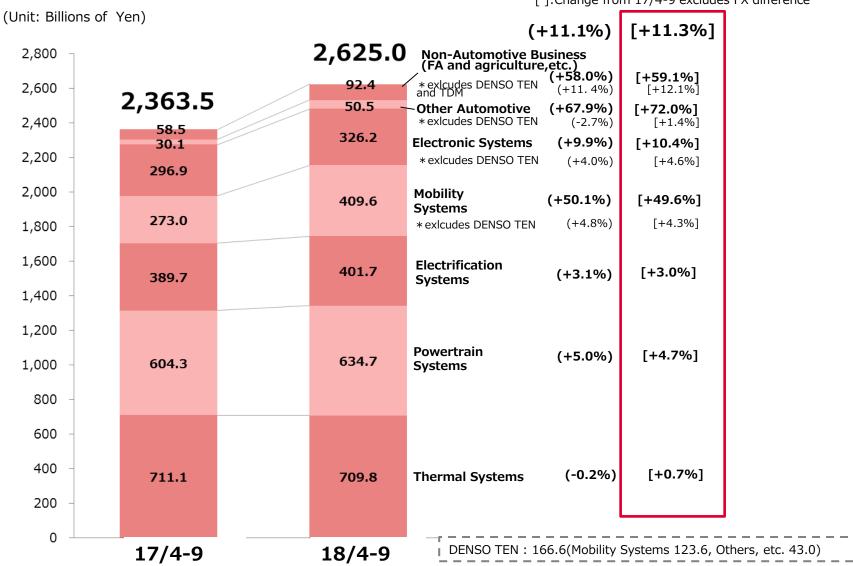
FY2019 1st Half Consolidated Revenue (By Customer)





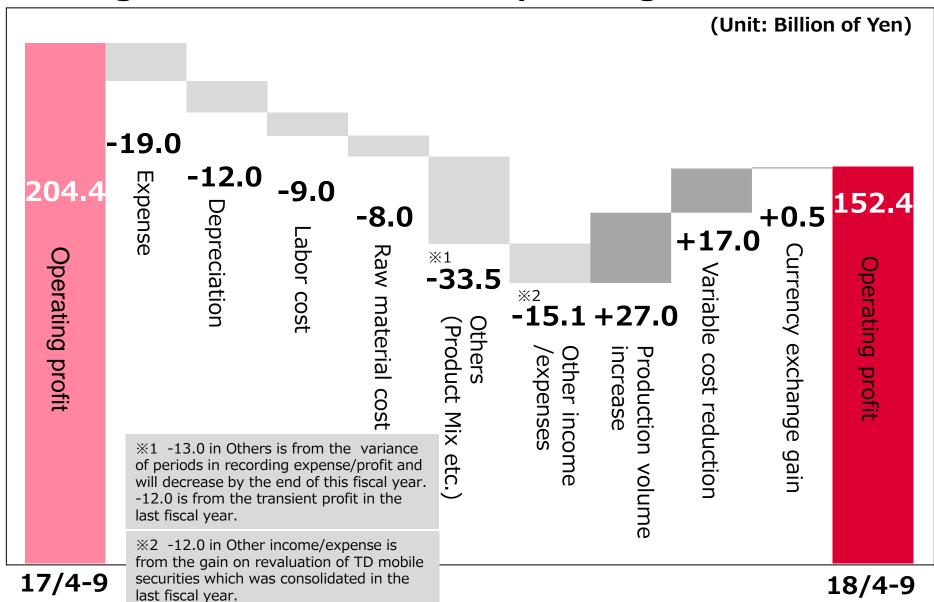
FY2019 1st Half Consolidated Revenue (By Product)







Change in FY2019 1st Half Operating Profit





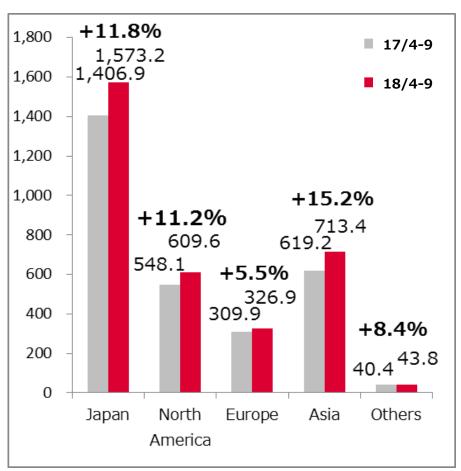
1st Half Geographical Segments by Company Location (Local Currency Base)

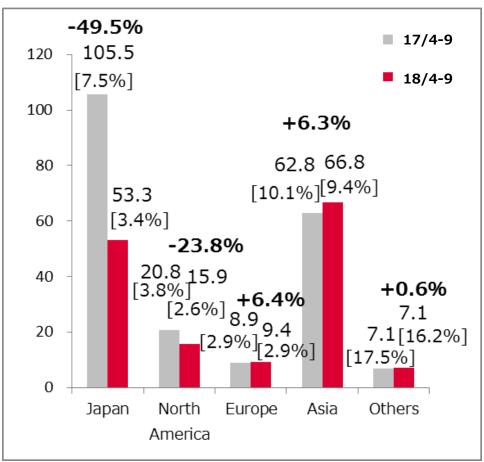
Revenue



(Unit: Billions of Yen)









FY2019 Financial Forecast

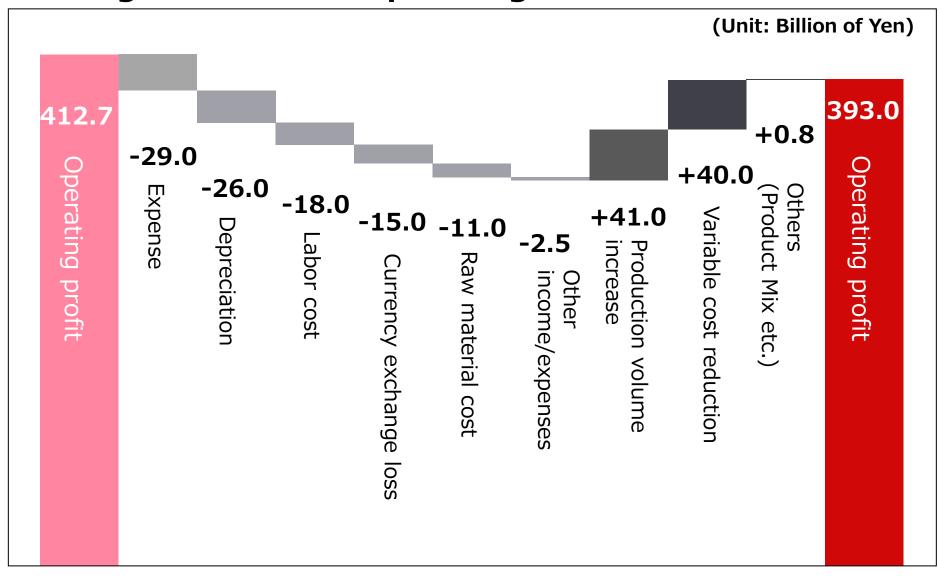
| | | (Ratio | to Revenue) | | | | | | | (Unit:Billions | of Yen, %) |
|---------------------------------------|--|-----------|-------------|--------|----------|-------------|-------------|------------|----------------|------------------------|------------|
| | | | As of | | Revised | Change from | 1 June 2018 | 18/3 | Actual | Change from March 2018 | |
| | | June 2018 | | | | Amount | Ratio | . 0, 0 | 7 10 10 10 | Amount | Ratio |
| Revenue | | | 5,400.0 | | 5,400.0 | - | - | | 5,108.3 | +291.7 | +5.7% |
| Operating Profit | | (7.2%) | 390.0 | (7.3%) | 393.0 | +3.0 | +0.8% | (8.1%) | 412.7 | -19.7 | -4.8% |
| Finance income/ costs & others(%1) | | | 37.0 | | 37.0 | 0.0 | | | 37.2 | -0.2 | |
| Profit before Income Taxes | | (7.9%) | 427.0 | (8.0%) | 430.0 | +3.0 | +0.7% | (8.8%) | 449.9 | -19.9 | -4.4% |
| Pr | ofit (%2) | (5.6%) | 303.0 | (5.6%) | 305.0 | +2.0 | +0.7% | (6.3%) | 320.6 | -15.6 | -4.9% |
| | | | | | | | | (Unit:Mill | ions of Units) | | |
| | Foreign Exchange | JPY | 106/\$ | JPY | 110/\$ | +4 JPY | | JPY | 111/\$ | -1 JPY | |
| Precondition | Rate | JPY | 130/Euro | JPY | 130/Euro | - | | JPY | 130/Euro | +0 JPY | |
| ondi | Domestic Car Production | | 9.58 | | 9.57 | -0.01 | -0.1% | | 9.37 | +0.20 | +2.1% |
| tion | Overseas Car Production of Japanese Manufacturers | | 20.95 | | 20.69 | -0.26 | -1.2% | | 20.15 | +0.54 | +2.7% |
| | (North America) | | (5.94) | | (5.92) | (-0.02) | (-0.3%) | | (6.03) | (-0.11) | (-1.8%) |



^{※1} Finance income, Finance costs, Foreign exchange gains/loss,
Share of the profit of associates accounted for using the equity method

^{※2} Profit attributable to owners of the parent company

Change in FY2019 Operating Profit



17/4-18/3

DENSO
Crafting the Core

18/4-19/3

Return to Shareholders

- Policy of shareholders return
- DENSO intends to allocate retained earnings not only to the capital investment, R&D investment and M&A required to maintain Long-term business development but also to,
- 1. We will continue to pay dividends sustainably with taking into accounts our consolidated results, consolidated dividend payout ratio, and dividend amount.
- 2. We continue to repurchase our own shares adapting flexibly to environmental changes and considering finance status.



A resolution was adopted at the board of directors meeting held today, October 31st to **acquire own shares**.

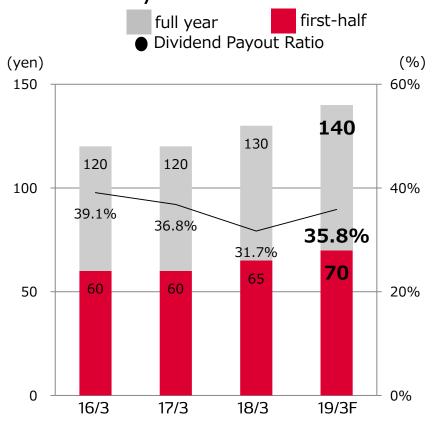
- Purpose of the stock purchase:
 To increase returns to shareholders and improve capital efficiency.
- Total number of shares to be purchased:
 Up to 6 million shares or 30 billion yen
 - •Resolution was adopted to cancel 6.12 million of its own shares.



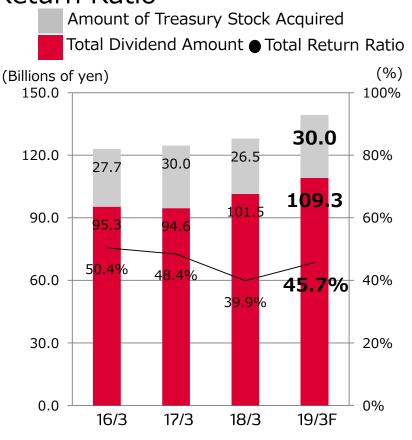
Return to Shareholders

FY19 Annual Dividend per Share: 140 yen

Cash Dividends per Share and Dividend Payout Ratio



Total Dividend Amount and Total Return Ratio





II. Progress



(1) DENSO Group Long Term Policy 2030

Bringing hope for the future for our planet, society and all people

Our Goal for 2030

A company that continuously generates value to enrich mobility that achieves sustainability, happiness and peace of mind for everyone

Green

Lasting vitality for the environment

Peace of mind

Providing a sense of well-being

Inspiring

Making a difference





(2) DENSO Group Mid-term Policy 2021

1. Creating new kinds of value

- (1) Assert leadership in electrification and in automated driving by establishing de facto standards that straddle product sectors in integrated vehicle platforms.
- (2) Create and propagate business models for spawning new value in mobility services and leaps in convenience.
- (3) Position factory automation and agriculture as pillars of new-business development and work through strategic alliances and other bold measures to assert a strong presence in those sectors.
- (4) Connect with brilliant minds at centers of innovation worldwide to increase our agility in nurturing a continuing stream of new products.

2. Strengthening profitability in support of future growth

- (1) Increase our management agility globally by reworking our organization on the lines of a downsized headquarters and performance-oriented business units and subsidiaries worldwide.
- (2) Advance the performance of key products, such as motors, ECU, semiconductor devices, and sensors, with leading-edge technology, and reinforce the basis of our competitiveness through a commitment to asserting key product standards.
- (3) In our core product sectors, generate unprecedented workplace performance by pressing ahead with measures for achieving further advances in *dantotsu* ("best by far") plants and for animating our plants through the Factory Internet of Things.
- (4) Accelerate product development and achieve high profitability by working with partners and independently to revolutionize processes.



(2) DENSO Group Mid-term Policy 2021

3. Transforming Our Business Foundation

- (1) Honor the spirit of the DENSO Creed in laying a foundation of uncompromising safety and quality that will support peace of mind for customers in traditional sectors and in new sectors, such as intelligent and information-based functions.
- (2) Tap the full potential of each team member and maximize our workplace vitality and our responsiveness to challenges and opportunities by nurturing a motivational workplace and by making the most of advanced information technology.
- (3) Shape a lean production system throughout our supply chain and maximize our monozukuri competitiveness.
- (4) Contribute to social sustainability by devoting rigorous attention to sustainable development goals and to the threefold sustainability priorities of environment, society, and governance, as detailed in DENSO EcoVision 2025 and in our guidelines for health management.



(3) Field of "Inspiring" Toyota group collaboration

■ Environmental change
A once-in-a-century revolution
Fast, severe competition in diverse business fields



We will survive or die.

Social issue

Global warming
Air pollution
Resource/Energy problems



To contribute to a sustainable society, **Electrification must grow**

Estimated number of traffic accident fatalities worldwide in 2020

1.90 million people*
Safe and secure transportation

Automated driving must grow

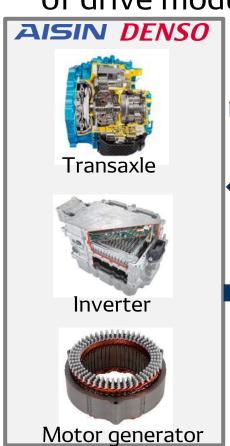
- Everyone can travel easily and safely
 - Effective use of travel time

Combining the forces of Toyota group companies, we will help to create the future mobility by growing automated driving and electrification.



(3) Field of "Inspiring" Electrification

Overview of the joint venture for the development and sale of drive modules



Entrustment of production of components

Supply of components

Joint venture for development and sale of drive modules



System compatible function

Investment ratio

DENSO 50%

Powertrain specifications of automobile Manufacturers (HVs, PHVs, FCVs, EVs, etc.)

Sale of drive modules

Automobile manufactur ers

Needs
Required
specifications
coordinated
with required
fuel
economy,
cost, engine,
body, etc.

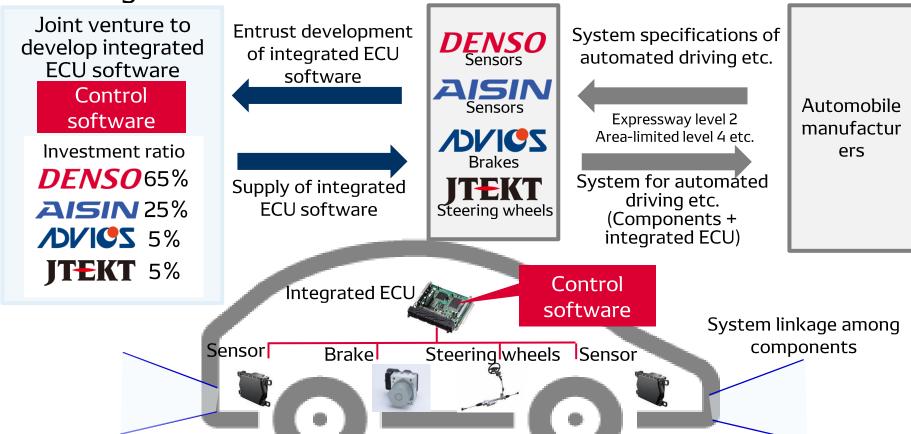
Customer

The joint venture will help accelerate electrification and the creation of a sustainable society.



(3) Field of "Inspiring" Automated Driving

Overview of the joint venture for the development of integrated ECU software

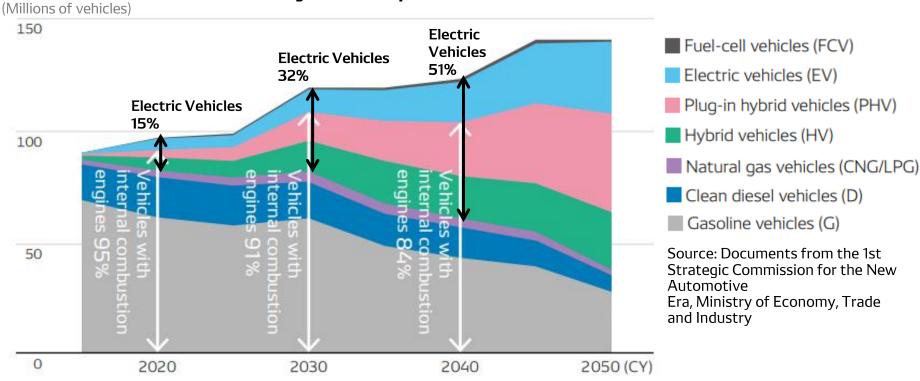


Contribute to realize automated driving that ensures safe and secure travel for everyone.



(4) Field of "Green" Market Trend

Market forecast by each powertrain



Business environment

Electrification has been promoted steadily due to stricter regulations in respective countries.

While progress in electrification has been made, development needs have diversified for each OEM.

Demand for internal combustion engines will continue for inexpensive eco-friendly cars in emerging countries.



(4) Field of "Green" Electrification

Initiative in Focus Fields



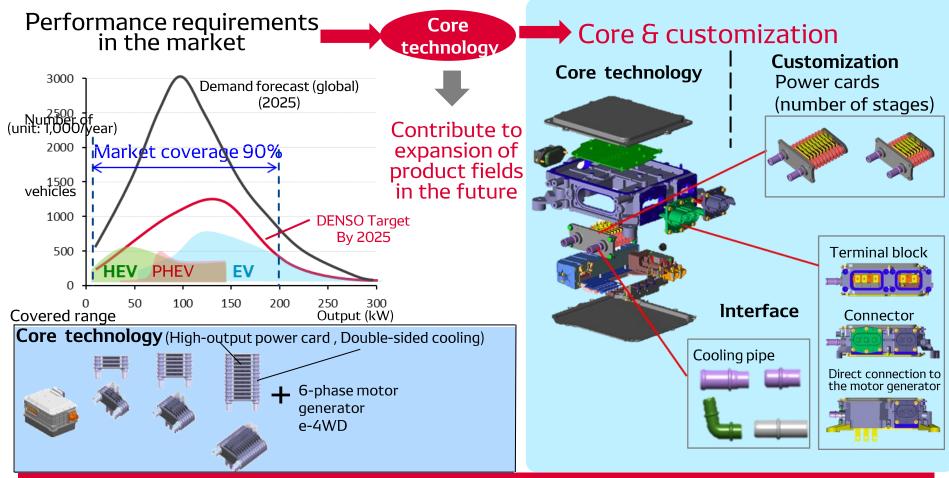
Reduction of environmental loading and realization of high efficiency transportation (Economical Driving)

- 1. Lead of electrification by technology acquired over the years and supply achievement
 - Technological evolution (High-power, SiC etc.)
 - Standardization (MG, Inverter)
 - · Global supply capability (Supply in Japan, US and China)
- 2. Development of internal combustion engine technology corresponding to the electrification
 - Heating efficiency improvement (Lean burn, low cooling loss, optimization with electric system)
 - Exhaust gas purification system (catalyst base material, system simplification)
- 3. Development of total energy management technology for vehicles
 - · Thermal management (air conditioning, waste heat utilization)
 - · Power management (charging, regeneration)



(4) Field of "Green"

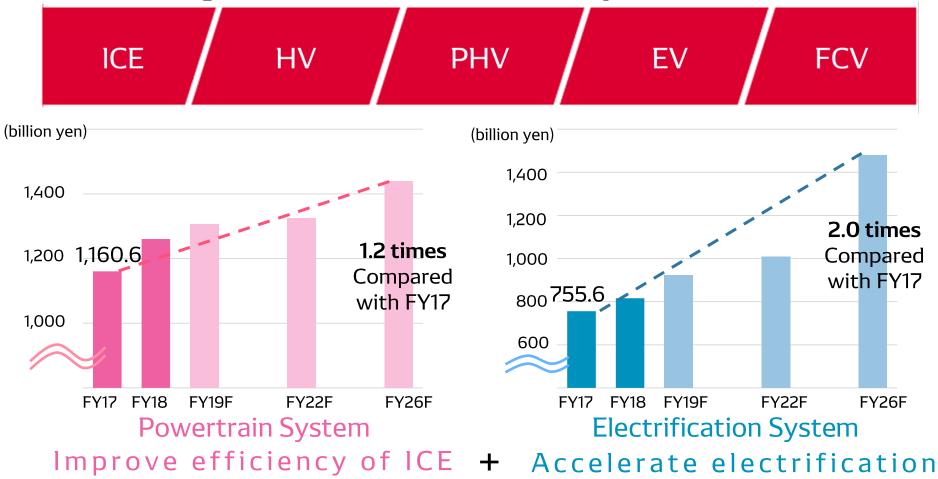
Improve development efficiency by using common parts



Maximize development efficiency by using common parts and contribute to customers.



We will pursue advances not only in electric vehicle systems but also in gasoline and diesel vehicle systems.

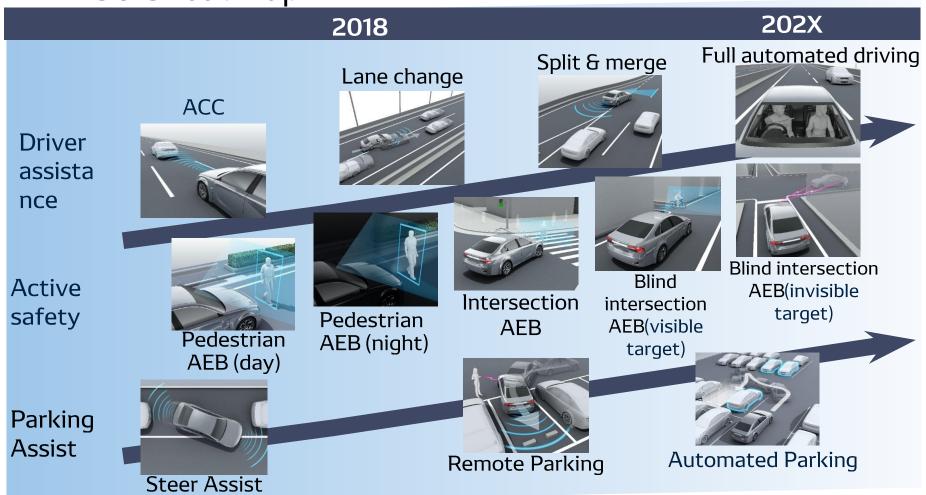


Expand our business combining both solutions.



(5) Field of "Peace of mind" Business environment

DENSO'S roadmap



Realize a move in safe/secure manner without traffic accidents



ACC: Adaptive Cruise Control

AEB: Autonomous Emergency Braking 23 / 28

(5) Field of "Peace of mind" Advanced Safety and

Advanced Safety and Automated Driving

Initiative in Focus Fields

Value

Realize a move in a safe and secure manner without traffic accidents

- 1. Initiative at the system, strengthening of proposal capability
 - Advanced Driver Assistance Systems and Automated Driving
 - Cockpit system

2. Development by open innovation

- Strengthen alliances of industry, government and academia
- Sensors and Algorithm development for recognition and judgment
- High performance semiconductor development

3. Enhancement of Al research

- Algorithm development for onboard
- · Quality assurance



(5) Field of "Peace of mind" Approaches to R&D

DENSO conducts in-vehicle tests

Expressway 2014 Minamichita Road, Nagoya Expressway The state of the s 2017 Michigan 2018 Munich DENSO

Public road

2017 Abashiri



2018 Kariya, Tokyo



Operational Design
Domain Lv4

2014 Kume island



2018 Narrow parking



Feedback tasks to R&D after in-vehicle tests in various fields



(5) Field of "Peace of mind"

To Achieve Next-generation Mobility



Step 1

Planning, development, and demonstration of advanced technologies and advanced mobility systems will be accelerated through collaboration with customers and partners to release advanced mobility systems early in the market.



April 2018

Global R&D Tokyo opened

Step 2

Mobility systems will be developed and demonstrated (on public roads as well) in the Tokyo area.

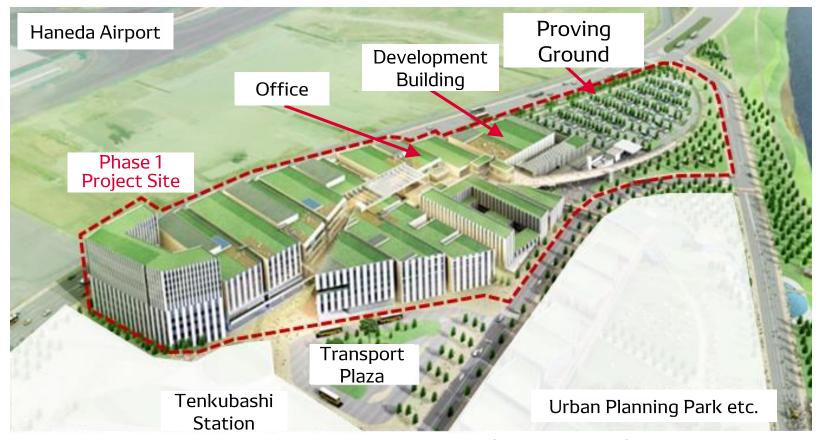
June 2020

A mobility systems development building and office (with a test course) will be opened in the No. 1 zone of the unused land of Haneda Airport.



(5) Field of "Peace of mind"

Conceptual drawing of new facility



Source: Kajima Corporation's website

Develop prototype automated driving technologies and conduct in-vehicle tests by collaborating with manufacturers in Ota City

(6) Sustainability Management

The Environment Goals and materiality

Reduce environmental impact, achieve highly efficient mobility, and thereby help create an eco-friendly and sustainable society

- Prevention of global warming
 Prevention of air pollution/reduction of environmental burden
 Effective utilization of resources
- Conservation of water resources

















Peace of Mind

Goals and materiality

Realize a safe society free from traffic accidents and achieve comfortable and flexible mobility, and thereby help create a society where all people can live safely

- Development of safety-related products Reduction of traffic accidents Coping with the declining birth rate and aging population









Inspiring (Corporate foundation)

Goals and materiality

- Fair and faithful conduct with the highest ethical standards
 Promotion of hitozukuri (human resource development), development of our organization, and creation of a positive environment so that employees can stay healthy and work actively and safely
- Business operations respecting the human rights of all stakeholders 3 ANDWELLERING
- Compliance Enhancement of information security
- Sustainable procurément

- Promotion of diversity Industrial health and safety Workstyle reforms Protection of human rights











Enrich mobility that achieves sustainability, happiness and peace of mind for everyone.



DENSO Crafting the Core

Appendix

- Pre-Conditions (Foreign Exchange Rate/Car Production)
- Consolidated Revenue by Customer
- Consolidated Revenue by Product
- 1st Half Geographical Segments by Company Location
- Trend of Capital Expenditures, Depreciation and R&D Expenditures
- Capital Expenditures, Depreciation, and R&D Expenditures



Pre-Conditions (Foreign Exchange Rate/Car Production)

| | | FY2019 First-Half | | | | FY2019 Second-Half | | | | FY2019 Full Year | | | | | | |
|----------------------------------|------------------|-------------------|------------------------|------------------------------|--------|--------------------|------------|------------------------|------------------------------|-----------------------|--------|------------|------------------------|------------------------------|-----------------------|--------|
| | | Prior Year | Forecast (Original) | Forecast as of July 28 | Actual | Change | Prior Year | Forecast (Original) | Forecast as of July 31 | Forecast (Revised) | Change | Prior Year | Forecast (Original) | Forecast as of July 31 | Forecast (Revised) | Change |
| Foreign Exchange | USD | 111 | 105 | 107 | 110 | - 1 | 111 | 105 | 105 | 110 | -1 | 111 | 105 | 106 | 110 | - 1 |
| Rate (Yen) | EUR | 126 | 130 | 130 | 130 | +4 | 133 | 130 | 130 | 130 | -3 | 130 | 130 | 130 | 130 | + 0 |
| Forex Impact on Operating Income | USD | | | | | - | | | | | - | 2.5 | 2.5 | 2.5 | 2.5 | 0.0 |
| per Yen (Billions of Yen) | EUR | | | | | - | | | | | - | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
| Car Production of | Domestic | 4.54 | 4.50 | 4.57 | 4.47 | - 1% | 4.84 | 5.00 | 5.00 | 5.10 | + 5% | 9.37 | 9.51 | 9.58 | 9.57 | + 2% |
| Japanese Manufacturers | North America | 3.01 | 3.01 | 2.91 | 2.90 | - 4% | 3.02 | 3.03 | 3.03 | 3.02 | - 0% | 6.03 | 6.04 | 5.94 | 5.92 | - 2% |
| (Millions of Units) | Overseas | 9.89 | 10.34 | 10.43 | 10.23 | + 3% | 10.26 | 10.52 | 10.52 | 10.46 | + 2% | 20.15 | 20.87 | 20.95 | 20.69 | + 3% |



Consolidated Revenue (By Customer)

(Unit: Billions of Yen)

| | 18/4 | 1-9 | 17/4 | 1 -9 | Chan | Change excludes FX difference | |
|---------------------|---------|------------|---------|-------------|--------|--|-------|
| | Amount | % to Total | Amount | % to Total | Amount | % | % |
| Toyota | 1,103.6 | 42.0 | 967.3 | 40.9 | 136.3 | 14.1 | 14.6 |
| Daihatsu | 59.3 | 2.3 | 53.0 | 2.2 | 6.3 | 11.9 | 13.7 |
| Hino | 32.3 | 1.2 | 28.1 | 1.2 | 4.2 | 15.0 | 15.0 |
| Toyota Group | 1,195.2 | 45.5 | 1,048.4 | 44.3 | 146.7 | 14.0 | 14.5 |
| Honda | 199.2 | 7.7 | 179.6 | 7.6 | 19.5 | 10.9 | 11.5 |
| FCA | 114.7 | 4.4 | 113.8 | 4.8 | 0.9 | 0.8 | 2.6 |
| GM | 109.3 | 4.2 | 88.5 | 3.8 | 20.8 | 23.5 | 24.0 |
| Ford | 69.4 | 2.6 | 73.4 | 3.1 | -3.9 | -5.4 | -5.0 |
| Hyundai/Kia | 64.4 | 2.5 | 67.1 | 2.8 | -2.7 | -4.0 | -5.6 |
| Mazda | 59.0 | 2.2 | 55.4 | 2.4 | 3.6 | 6.6 | 6.2 |
| Suzuki | 58.5 | 2.2 | 55.8 | 2.4 | 2.8 | 5.0 | 7.5 |
| SUBARU | 52.8 | 2.0 | 47.5 | 2.0 | 5.3 | 11.2 | 11.4 |
| Nissan | 50.2 | 1.9 | 46.8 | 2.0 | 3.4 | 7.3 | 7.0 |
| VW/AUDI | 42.5 | 1.6 | 38.4 | 1.6 | 4.1 | 10.8 | 7.9 |
| Mitsubishi | 30.6 | 1.2 | 24.2 | 1.0 | 6.4 | 26.7 | 25.8 |
| Isuzu | 30.0 | 1.1 | 26.9 | 1.1 | 3.1 | 11.6 | 10.2 |
| BMW | 21.9 | 0.8 | 20.5 | 0.9 | 1.3 | 6.4 | 4.0 |
| Volvo | 20.7 | 0.8 | 17.7 | 0.8 | 3.0 | 17.2 | 14.3 |
| PSA | 16.3 | 0.6 | 14.4 | 0.6 | 1.9 | 13.2 | 9.7 |
| Benz | 15.6 | 0.6 | 17.5 | 0.7 | -1.9 | -10.7 | -12.9 |
| OE Sales for others | 175.6 | 6.7 | 156.3 | 6.6 | 19.3 | 12.4 | 11.6 |
| OEM Total | 2,325.8 | 88.6 | 2,092.0 | 88.5 | 233.9 | 11.2 | 11.4 |
| After-market, | | | | | | | |
| Non-Automotive | 299.1 | 11.4 | 271.5 | 11.5 | 27.6 | 10.2 | 10.9 |
| Business(*) | | | | | | | |
| Total | 2,625.0 | 100.0 | 2,363.5 | 100.0 | 261.5 | 11.1 | 11.3 |

^{*} Sales of industrial systems and consumer products, Sales for After Market, and Sales of property/equipment are included.



Consolidated Revenue (By Product)

(Unit: Billions of Yen,%)

| | 18/4 | 1-9 | 17/4 | l-9 | Chan | Change excludes FX difference | |
|---|---------|------------|---------|------------|--------|--|------|
| | Amount | % to Total | Amount | % to Total | Amount | % | % |
| Thermal Systems | 709.8 | 27.0 | 711.1 | 30.1 | -1.3 | -0.2 | 0.7 |
| Powertrain Systems | 634.7 | 24.2 | 604.3 | 25.5 | 30.5 | 5.0 | 4.7 |
| Electrification Systems | 401.7 | 15.3 | 389.7 | 16.5 | 12.0 | 3.1 | 3.0 |
| Mobility Systems | 409.6 | 15.6 | 273.0 | 11.5 | 136.7 | 50.1 | 49.6 |
| Electronic Systems | 326.2 | 12.5 | 296.9 | 12.6 | 29.3 | 9.9 | 10.4 |
| Others(*) | 50.5 | 1.9 | 30.1 | 1.3 | 20.4 | 67.9 | 72.0 |
| Automotive Total | 2,532.5 | 96.5 | 2,305.0 | 97.5 | 227.6 | 9.9 | 10.1 |
| Non-Automotive Business(FA and agriculture, etc.) Total | 92.4 | 3.5 | 58.5 | 2.5 | 34.0 | 58.0 | 59.1 |
| Total | 2,625.0 | 100.0 | 2,363.5 | 100.0 | 261.5 | 11.1 | 11.3 |

^{*} Revenue of equipment, Repair parts, original brand products of subsidiaries

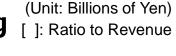


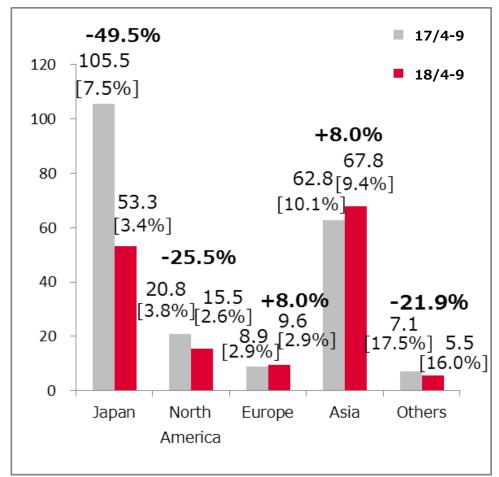
1st Half Geographical Segments by Company Location

Revenue

+11.8% 1,800 17/4-9 1,573.2 1,406.9 1,600 18/4-9 1,400 1,200 1,000 +16.0% 718.1 +10.2% 800 619.2 604.1 548.1 600 +7.3% 332.4 400 309.9 -14.6% 200 40.4 34.5 0 North Asia Others Japan Europe America

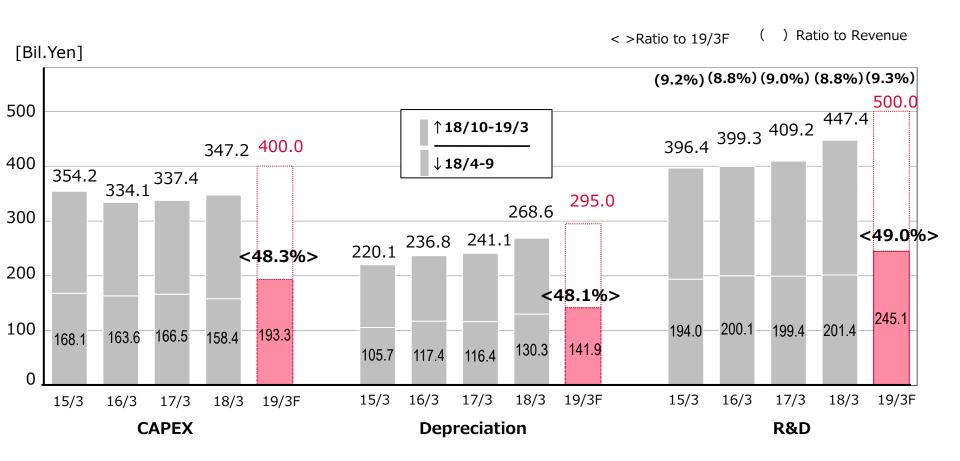
Operating Profit







Trend of Capital Expenditures, Depreciation and R&D Expenditures





Capital Expenditures, Depreciation and R&D Expenditures

(Unit: Billions of Yen)

| | 17/9 | 18/3 | 18/9 | 19/3F | Change(%) | Progress to 19/3 Forecast |
|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------|---------------------------------|
| Japan | 106.3 | 217.7 | 116.9 | 240.0 | 10.0% | 48.7% |
| North America | 16.2 | 43.8 | 32.0 | 62.5 | 97.5% | 51.2% |
| Europe | 13.8 | 30.8 | 11.4 | 32.0 | -17.4% | 35.6% |
| Asia | 21.3 | 52.7 | 31.7 | 63.0 | 48.8% | 50.3% |
| Others | 0.8 | 2.2 | 1.3 | 2.5 | 62.5% | 52.0% |
| Capital Exp. | 158.4 | 347.2 | 193.3 | 400.0 | 22.0% | 48.3% |
| Japan | 75.2 | 154.7 | 82.6 | 172.5 | 9.8% | 47.9% |
| North America | 15.9 | 32.4 | 18.1 | 35.5 | 13.8% | 51.0% |
| Europe | 10.4 | 22.2 | 11.8 | 26.0 | 13.5% | 45.4% |
| Asia | 27.4 | 56.4 | 28.3 | 58.5 | 3.3% | 48.4% |
| Others | 1.5 | 2.8 | 1.0 | 2.5 | -33.3% | 40.0% |
| Depreciation | 130.3 | 268.6 | 141.9 | 295.0 | 8.9% | 48.1% |
| R&D Expenditure (Ratio to Revenue) | 201.4 (8.5%) | 447.4 (8.8%) | 245.1 (9.3%) | 500.0 (9.3%) | 21.7% | 49.0% |

