AISIN Group Press briefing at NAIAS 2017

Good afternoon, ladies and gentlemen.
Thank you for joining us today at the 2017
North American International Auto Show.
This is our fifth year as a participant at the Detroit show.

Aisin Group is a supplier of automotive components and systems that provides most of the components necessary to build a vehicle, including drivetrain, braking, chassis, body, engines, information, and electronic related products.

In fact the vehicle you drive to work every day is probably well-equipped with Aisin components.
We also develop and manufacture co-generation systems with hydrogen and natural gas as their fuel source.

I am pleased to report that Aisin Group has enjoyed a very productive 2016 and we look forward to an equally exciting 2017.

Here on Detroit’s World Stage, we are exhibiting a number of new products and systems, including Heat Management systems that help improve fuel efficiency, technologies that underpin Automated driving, body components that contribute to passenger comfort and convenience, and of course, Transmissions.

Aisin manufactures a full complement of transmissions from Automatic, Manual, to CVT and is doing business with a large number of OE manufacturers.

We sell more than 10 million transmissions annually around the world – more than any other supplier. And, as you know, transmissions represent one of Aisin Group’s core products.
Today, we broaden our scope of leadership and are proud to present three new transmissions making their first international motor show appearance.
These transmissions are new products of Aisin AW which has the world’s NO.1 share of Automatic transmissions.

Aisin Group develops drivetrain products to match the needs of automakers for various types of vehicles in order to embrace the coexistence of fuel efficiency and performance. These new products were developed with the objective of providing an exciting experience and direct driving feel associated with high responsiveness during acceleration with the theme “Direct and smooth.”

First, allow me to introduce our new 8-Speed Front Wheel Drive, Automatic Transmission

The light-weight, compact design was achieved by redesigning the gear train structure, reevaluating materials and optimizing shapes. This new model achieves a direct driving feel and superb fuel efficiency by expanding the lock-up area. We have evolved our conventional eight-speed Automatic Transmission in order to respond to new 2020 fuel efficiency standards.

Next, our newly developed Multi-stage THS II Transmission for Rear Wheel Drive.
The first of its kind anywhere.

We have integrated Multi-stage Transmission with a 2 motor Hybrid Transmission that produces outstanding acceleration performance and excellent fuel efficiency at high speed that far surpasses conventional products.

The third model we would like to introduce is our new 10-speed Rear Wheel Drive Automatic Transmission.
This product was developed in pursuit of a comfortable driving performance suitable for Rear Wheel Drive luxury cars. The wider gear ratio range enabled with a “ten-speed” and the world’s fastest shifting response time, provide a rhythmical driving experience with the direct feel that comes from high responsiveness when accelerating.

Now, let’s switch gears, so to speak, and look to the future development vision of the Aisin Group.

Moving forward, the AISIN Group will utilize its vast core technology capability and focus our future development on the following three categories.

We will accelerate our development with the following technologies at our core.

“Zero-emissions” - "Electrification"
“Automated driving” - "Vehicle Dynamics Control" and "Automated Valet Parking”
"Connected cars" - "Hospitality Service"

First, "electrification" to achieve zero emissions

Transmissions represent one of our core businesses, and as you can see in our exhibit we offer all variations of transmissions.

In terms of Electrification, we have developed two-motor Hybrid Transmissions and electric 4WD units.

Moving forward, we will launch a one-motor Hybrid Transmission to the market as early as possible since the demand of this product is expected to grow. Also, toward zero-emissions, we will accelerate the development of motors and inverters, some of the core components of Fuel Cell Vehicles and Electric vehicles to expand our drivetrain product lineup.
Second, Automated driving.
In this field, we will focus on Vehicle Dynamics Control.

Talking about Vehicle Dynamics Control, until today we have developed various chassis related products such as active rear steering, Electronic suspension and brake caliper. In particular, “Electronic Stability Control” senses information such as vehicle positioning, determines how to control the car best at critical ranges and gives instructions to the power train, steering and braking products.

This is a video of an actual road-test with and without our “Vehicle Dynamics Control.”
It is not hard to see the difference in vehicle stability.

Moving forward, based on the knowledge that we’ve accumulated in braking control, we will integrate the technologies of our group companies in the powertrain, steering, braking and suspension areas aiming to bring out the maximum performance of a vehicle and enable smooth and efficient vehicle motion control, improvement in vehicle safety and provide an improved driving experience.

Next, Automated Valet Parking.

In 2003, the AISIN Group launched the world's first automated parking system to the market.
Since then, we have evolved the system to the point where it is possible to remotely park an un-manned vehicle using a smart device.
Furthermore, we are aiming to enable a fully un-maned "Automated Valet Parking" with vehicle control and vehicle-to-infrastructure communication.
Third, 「Hospitality」

I would like to introduce a concept that we feel is important in the age of vehicle to vehicle, vehicle to infrastructure and vehicle to cloud environments.
To enable this we will utilize connected car technologies to offer products and services that turns your vehicle into a “buddy”.
A vehicle that is proactive in sensing your feelings to make you feel comfortable and safe--- like a trusted companion.
We at Aisin like to call this hospitality.

The concept that we call Hospitality Service is a service based on the integration of many of our core technologies including mapping information technology we have accumulated in the navigation field, occupant sensing information from our driver monitoring technology or the actuator technology implemented in the Power Sliding Doors.

In addition, information concerning weather, road conditions, obstacle information or data related to personal preference previously stored in the cloud to estimate the occupants' health condition or state of mind to finally offer an optimal vehicle interior experience.

Your car will understand your feelings and become a smart and reliable “buddy.”
Moving forward, we wish to realize a comfortable moving space with the provision of hospitality services based on the occupants preferences with the integration of various systems.

Finally, we would like to introduce our Personal Mobility Vehicle intended for the connected smart mobility society of the near future. Please be sure to take a look at our Personal Mobility “ILY-Ai” concept and our mobility technologies at our autoMOBILI-D booth located here at NAIAS.
The booth number is 51.
The automotive business environment and automotive technologies have been changing dramatically. And as you can see, Aisin Group is well-positioned to lead the future of driving.

We will continue to work on initiatives to enhance vehicle safety, environmental friendliness, comfort and next generation personal mobility based on our successful track record in the global automotive world.

Thank you for your attention and interest in Aisin Group.