Innovative technologies that are reshaping the landscape of the automobile manufacturing industry

Autonomous vehicles and electrification are the two axes that are expected to drive revolutionary change in the automobile industry. Powertrains and seats, the two key items produced by HYUNDAI TRANSYS, will no longer be considered separate automobile parts but components organically connected to the entire automobile system.

Our advanced powertrain system based on electrification and outstanding seat system that operates in parallel with autonomous driving represent our will to achieve continued evolution as a leading automobile parts manufacturer.

The Core

Dynamic, efficient, and eco-conscious powertrains
Seats made with people-oriented technologies that bring innovation to automobile interiors
Your driving experience is perfected with our continued efforts to take on new challenges and achieve innovation.

HYUNDAI TRANSYS creates the heart and soul of future mobility.
HYUNDAI TRANSYS stands at the center of the global marketplace with the finest powertrains and seats. People are at the core of HYUNDAI TRANSYS and its products.

Core; Sustainable Growth

HYUNDAI TRANSYS is evolving as an innovative leader in the future of mobility. We have pushed the boundaries of the global automobile parts market by taking on new challenges. We remain dedicated to achieving sustainable development with our future mobility technologies.

Realization

We aim to take the lead in the future mobility market with our innovative technologies that will change the landscape of the automobile industry. We ensure and deliver the highest quality products from new technology and cutting-edge facilities.

Remarkable

HYUNDAI TRANSYS continues to contribute to society for a better future. The company vigorously participates in social activities to grow together with the people and the communities.

Relation

At the heart of HYUNDAI TRANSYS is its focus on the wellbeing of people. HYUNDAI TRANSYS develops key technologies for future mobility to advance the wellness of humanity.

Social Responsibility

Dynamic Powertrain / Comfortable Seat
Creative Leader
for Mobility Innovation

HYUNDAI TRANSYS, rebranded in 2019, is working to go beyond its role as an automobile parts supplier and develop into an innovative leader in the future of mobility.

Join us in our journey towards the era of future mobility where your imagination becomes reality with our electrified powertrains and seats for autonomous vehicles.
Overview

HYUNDAI TRANSYS is an automotive parts manufacturer and a member of Hyundai Motor Group. At HYUNDAI TRANSYS, we seek to realize mankind’s imagination through advanced technology.

Group Vision

Together for a better future

The HYUNDAI MOTOR GROUP aims to create ultimate value and promote harmonious growth for all stakeholders through ecofriendly management and respect for mankind.

Core Values

CUSTOMER CHALLENGE COLLABORATION PEOPLE GLOBALITY

Management Philosophy

Realize the dream of mankind by creating a new future through ingenious thinking and continuously challenging new frontiers.

Unlimited sense of responsibility

An unlimited sense of responsibility for our customers’ safety and happiness is manifested in quality management, and extends to the ideal of creating greater value for society at large.

Realization of possibilities

Not complacent about our achievements, we constantly pursue new goals. The risk of failure is no deterrent as we seek new challenges on the way to creating a brighter future.

Respect for mankind

We seek to create value for mankind with better products and services delivered more quickly to more people as a way to enrich their lives.

Overview

28 locations in 8 countries

$6.6 billion

K-IFRS, as of 2018

$= 1100.30 KRW

9,580 employees

Powertrains & Seats

Global Network

28 locations in 8 countries

38 companies

Client

Production Capacity

Powertrains

8,750,000

Seats

4,280,000

Business Field

Total Workforce

$= 1100.30 KRW

$6.6 billion

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K-IFRS, as of 2018
Since its establishment in 1994, HYUNDAI TRANSYS has written a history of innovation and overcoming challenges. A brief history of HYUNDAI TRANSYS' significant moments of growth are shown below:
As a pioneer in the future of mobility, we will continue to bring positive changes to the automobile industry and reinforce our forward-looking leadership based on our top-tier technologies.
The powertrain R&D center is developing future powertrain technology, pioneering new technology and enhancing product quality at the forefront of automobile engineering.

HYUNDAI TRANSYS produces transmissions and axles that integrate the state-of-the-art technology, and seats that are ergonomically engineered. These are the products of our continuous R&D efforts with the determination and the spirit of challenge.

Powertrain R&D Center

Located in Hwaseong, South Korea, HYUNDAI TRANSYS’ Powertrain R&D Center is focused on making endless improvements to the core automobile components such as transmissions, axles, 4WD systems, and special heavy equipment. The R&D Center develops top quality products—high efficiency, high strength, low noise, and high durability—through new material development and tests for endurance, noise, and performance. We are also focusing our investment in the development of electric powertrains such as hybrid transmissions and reduction gears applicable to eco-friendly vehicles to advance the future of innovative mobility.

The seat R&D center is the largest of its kind in Korea, and leads the development of the next-generation automotive seats through its comprehensive research efforts—from components to modules.

HYUNDAI TRANSYS established a top-of-the-line R&D Center with state-of-the-art test equipment to exclusively develop seat modules and mechanisms. The Center executes comprehensive research and development planning, design, structural analysis, testing, and prototype development. HYUNDAI TRANSYS’ Seat R&D Center, thanks to its ergonomics and human sensibility engineering approach to seat systems, is dedicated to developing highly aesthetic, intelligent seats that offer a comfortable and pleasant riding experience.

In preparation for the era of autonomous vehicles, we strive to take the lead in the evolution of and develop new technologies for automobile seats, which form the core of the interior of a vehicle.
Clean Mobility

**Powertrain Electrification**

The era of eco-friendly automobiles free from air pollutant emissions has already begun. We aim to achieve clean mobility through the development of electrified powertrains applied to diverse types of environmentally-friendly vehicles.

- Hybrid transmission applied to HEV(Hybrid Electric Vehicle) and PHEV(Plug-in Hybrid Electric Vehicle)
- Reduction gear applied to BEV(Battery Electric Vehicle) and FCEV(Fuel Cell Electric Vehicle)
HYUNDAI TRANSYS offers an extensive lineup of transmissions from automatic transmissions to dual clutch transmissions, continuously variable transmissions, and manual transmissions to cater to the individual needs of customers around the world. In addition, we continue to expand our lineup of electrified powertrains applicable to diverse models of environmentally-friendly vehicles including HEVs, PHEVs, EVs, and FCEVs.

Powertrain

Automatic Transmission

**World-class efficiency and unrivaled driving experience**

Our automatic transmissions span a wide range of sizes to cater to the different needs of customers. We realize powerful acceleration, seamless shifting, and a refined driving experience through the development of multi-speed transmissions, including the front-wheel-drive 6-speed automatic transmission and rear-wheel-drive 8-speed automatic transmission.

*Sedan, SUV, MPV, Small Commercial*

Dual Clutch Transmission (DCT)

**Cutting-edge transmission accentuated with high fuel efficiency and dynamic performance**

The dual clutch transmission (DCT), using two separate clutches, is an advanced transmission that combines the efficiency of a manual transmission with the convenience of an automatic transmission. Our DCT has emerged as the center of attention as a new product characterized by dynamic shifting and high fuel efficiency and is expected to rise as the leader in the transmission market.

*Sedan, SUV*

Continuously Variable Transmission (CVT)

**Seamless shifting and responsive acceleration that provide a more dynamic driving feel**

Our continuously variable transmission are designed to ensure seamless shifting and responsive acceleration for a more dynamic driving feel by realizing diverse shifting modes to match the driver’s intentions and road conditions to offer a thrilling driving experience. The first-in-class application of metal chain belts works to deliver maximum efficiency and improved durability.

*Sedan*
Manual Transmission for Both Passenger & Commercial Vehicles

Superior transmission response from superior product quality

HYUNDAI TRANSYS: manual transmissions cover the full range of vehicle categories – passenger cars, SUVs, buses, trucks, etc. – and are light, quiet, and strong.

The quick and prompt response coupled with a smooth yet dynamic feel mitigates driver fatigue and ensures a safer and more relaxed driving experience even at high speeds.

Sedan, S UV, MPV, Truck, Bus

Hybrid Transmission

Hybrid transmission applicable to diverse environmentally-friendly vehicles

We develop and manufacture hybrid transmissions for environmentally-friendly vehicles based on our expertise accumulated through the development of powertrains. We design each hybrid part as a module to make it applicable to a wider range of environmentally-friendly vehicles.

Sedan, SUV

4WD Powertrain

A collection of technological know-how for driving efficiency

HYUNDAI TRANSYS has developed the first EST (Electronic Shift Transfer) in Korea, and various other 4WD powertrain systems such as the PTU and the Couplings. HYUNDAI TRANSYS’ 4WD powertrains ensure easier, safer driving with simple handling for snowy roads or off-road conditions.

With the optimized design that allows us to deliver highly efficient products that are lower weight and cost-competitive, HYUNDAI TRANSYS now competes with other world leading suppliers.

SUV

Axle for Both Passenger & Commercial Vehicles

Optimal design providing superior driving stability

HYUNDAI TRANSYS’ axles are quiet and highly durable, optimized with a wide range of generation for various driving conditions. Transmission efficiency is maximized by the optimal axle design through top-level FEA and noise analysis. The usage and features of each vehicle category are reflected in the design, and driving stability is guaranteed even in extreme situations such as at lower high speeds, long-distance driving, and rough road conditions.

Sedan, SUV, MPV, Truck, Bus

Reduction Gear

Eco-friendly automobile parts applicable to electric vehicles

We develop and manufacture reduction gears for environmentally-friendly vehicles in parallel with enhancements in global environmental regulations. Based on our rich experience in the development of a wide range of powertrains, we have set up an extensive lineup of eco-friendly reduction gears boasting high fuel efficiency that are expected to take the lead in the future market.

Sedan, SUV
HYUNDAI TRANSYS produces the powertrain systems essential to controlling high output power machines such as the high-speed trains and military tanks. With its steady investment in research and development and the determination of its R&D Staff, HYUNDAI TRANSYS possesses world class technological capabilities.

**Automatic Transmission for Military Tanks**
- Superior Operational Performance, Maximum Stability & Reliability
- Max. Output: 1,200ps
- Applicable Vehicles: K1A1 Military Tanks, Salvage Tanks, Bridge Tanks

**Decelerator for Subway Trains**
- High-speed, Heavy-load, High-precision Systems
- Max. Speed: 180~200km/hr
- Applicable Vehicles: Incheon Airport Railroad Train (110km/hr), ITX-Chungchun (180km/hr), ITX-Saemaul (150km/hr)

**Decelerator for High Speed Trains**
- High-speed, Heavy-load, High-precision Systems
- Max. Speed: 330~430km/hr
- Applicable Vehicles: KTX (330km/hr), HEMU-430 (430km/hr)
Freedom in Mobility

Seats for autonomous vehicles
In the era of autonomous vehicles, the interior of an automobile is considered "a space of daily living on the move." HYUNDAI TRANSYS focuses on designing seats with advanced features suited for the diverse activities that will take place in autonomous vehicles, such as relaxation, conferencing, and leisurely activities.

- Seat adjustment mechanism: swivel mechanism, power long slide, and seat frames equipped with seat belts
- Tailored convenience features: integrated control technology for indoor condition diversification and active air conditioning/convenience adjustment parts
- Slim and lightweight seat parts: seat back frames of composite materials and integration and size reduction of parts
There are about 3,000 components assembled into the seats of a luxury car.
It is a complicated automotive part that encompasses a wide range of safety and convenience-related technologies. HYUNDAI TRANSYS is the leader in the automotive seat business with its initiative toward technological innovation from its top-class Seat R&D Center.

**Premium Sedan**

Premium sedan seats by HYUNDAI TRANSYS are the essence of highest technology that will satisfy the customer experience by going beyond providing the best comfort.

**APPLICATION**

Genesis G90, G80, G70, K9, Stinger


**Sedan**

Sedan seats by HYUNDAI TRANSYS employ diverse convenient options to ensure comfortable space at all times.

**APPLICATION**

Azera(Grandeur), Azera HEV, Sonata, Sonata HEV, K3, Aveante, Accent, Q0, Q0, 110, etc


**RV**

RV seats by HYUNDAI TRANSYS are versatile and focus on diverse space utilization.

**APPLICATION**

Santa Fe, Mohave, Sorento, Tucson, Sportage, Soul, Soul EV, etc

1. Rear-seat smart one-touch walk-in  2. Split seats (for multiple seat variations)  3. Ventilated seats  4. 14-way power driver’s seat
At the heart of all activities of HYUNDAI TRANSYS lies our focus on people. We strive to build a livable world for all based on our community outreach slogan “Trustworthy Partner for Today & Tomorrow”. We seek to ensure the happiness and wellbeing of all around the globe, beyond our local communities, through aggressive community outreach activities.
We strive to create and share greater value for a sustainable future with all our stakeholders through a variety of community outreach activities.

As a responsible corporate citizen, HYUNDAI TRANSYS is committed to realizing the happiness of mankind by participating in community service and serving the needs of the people in the communities.

From Sedan Seats to Bags
HYUNDAI TRANSYS is a proud sponsor of an upcycling project that seeks to reform car seat materials used in our Seat R&D Center to consumer bags. We donate nearly 3 tons of leather to the social enterprise MOrETHan every month, where they are reprocessed to wallets, bags, and other accessories. This virtuous cycle of resources helps preserve the environment for the future generation while generating employment for the present through social enterprises.

Major Community Outreach Projects

Car Seat Covers into Bags
(support for the upcycling of scrapped car seat leather)

Social welfare activities
- Volunteer activities of executives and employees
- Monthly donations directly made from wages of executives and employees
- Year-end donation for underprivileged neighbors
- Sharing of goods in celebration of holiday seasons

Healthcare
- Blood donation campaign

Education & Academic Activities
- Provisioning low-income families with reference and other educational books (book sharing club)
- Providing low-income families with school uniforms
- Awarding scholarships to local schools

Happy Power Cars
(donation of cars for mobility-disadvantaged households)

Academic support
- Traffic safety campaign for children
- Support for scholarships, school uniforms, and learning materials of children and teenagers
- Mentoring for youth of local communities

International relief and exchange activities
- Sponsorship for performances by the disabled in China
- Donation of medical equipment to a cancer center in India and sponsorship of prosthetic legs and wheelchairs for the disabled
- Support for the rehabilitation of patients with rare diseases and operations of disabled children in the Czech Republic
- Donation for earthquake victims in Mexico
HYUNDAI TRANSYS has 21 global manufacturing plants, 2 R&D centers, and 5 sales branches. We will challenge constantly to proceed to wider world with 28 global bases linking Europe, Asia, and America continents.
At HYUNDAI TRANSYS, human life is always at the top of our priority. We will innovate and create new technologies that enhance the lives of people.

TH/E CORE

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At HYUNDAI TRANSYS, human life is always at the top of our priority. We will innovate and create new technologies that enhance the lives of people.