

THINK SAFETY

We always think public safety
We create a society where everyone is happy



A Message from the President



“Ensuring people’s happiness is the only reason the Korea Transportation Safety Authority exists!”

As the Korea Transportation Safety Authority is the only specialized and comprehensive organization devoted to traffic safety that operates in Korea, we run a variety of traffic safety programs that secure the safety and happiness of people in all traffic related areas ranging from the road and rail to air.

While we spare no efforts in the reduction of traffic accidents by utilizing scientific and customized traffic accident prevention activities, we continue to do our utmost for vehicle safety management to ensure that people will always be able to drive with a sense of trust.

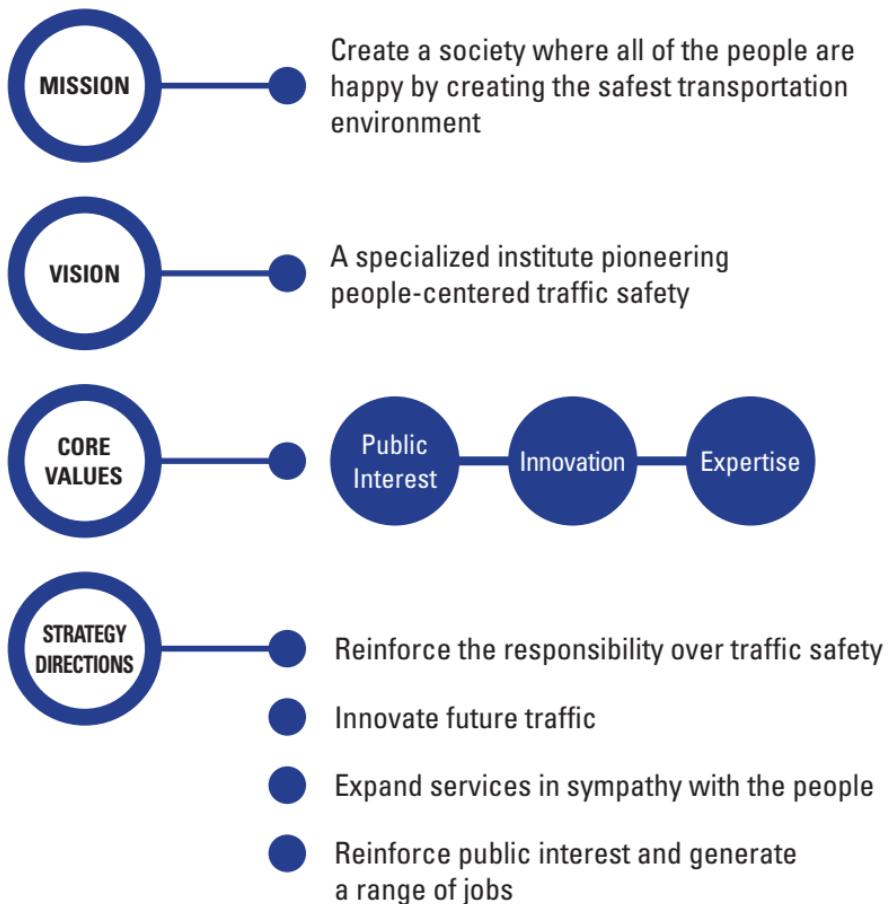
Besides this, in line with the 4th Industrial Revolution, we are already carrying out the appropriate preparations for the traffic safety of the future, namely, the Automated Vehicle and the drone, which will bring innovation to our day-to-day lives.

The Korea Transportation Safety Authority will continue to muster all of our energy to safeguard people’s lives and guarantee safety from traffic accidents. Furthermore, we will also create an essential traffic service that constantly meets the public’s expectations by always being attentive to the different opinions that we encourage you to share with us.

Kwon Byung Yoon

The president of the Korea Transportation Safety Authority

Mission & Vision

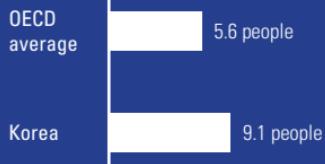


WHY

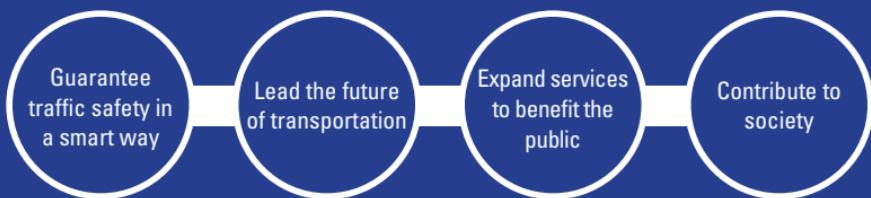
While it is acknowledged that fatalities from traffic accidents have gradually been decreasing, the traffic safety standards of Korea are still comparatively low.

Due to the fact that safety should be guaranteed so that the people can live happily every day, the Korea Transportation Safety Authority always considers the safety of the people.

Traffic fatalities per 100,000 population



HOW



WHAT

Traffic fatalities in 2017 stood at 4,185 people



We promise that we will implement the following
to halve traffic fatalities by 2022

Traffic fatalities: 4,185 people in 2017 to around 2,000 by 2022



ASSURE THE SAFETY MANAGEMENT OF COMMERCIAL VEHICLES

To guarantee people with the highest level of safety from commercial vehicles, we not only ensure that our drivers are equipped with the necessary expertise, but also utilize cutting-edge devices to manage transportation companies and vehicles.



Analysis and application of DTG (Digital Tacho Graph)

In order to regulate any violation of traffic laws and monitor drivers with high risks, we record real-time operation status data and analyze behavioral tendencies for dangerous driving.

Results from safety management using DTG

Category	2016	2017	Reduction rate
Traffic Accidents	2,320 cases	1,965 cases	15.3%
Fatalities	77 people	28 people	63.6%

* As of 2017 based on 210 companies

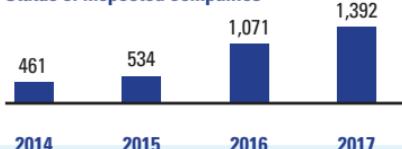
Management of commercial vehicle drivers

We ensure the expertise of drivers by implementing freight/bus driver qualification tests, as well as scientifically measuring traffic accident tendencies through driving aptitude tests.

Inspection of risky transportation companies

In order to identify risk factors and improve the safety of transportation companies with critical accidents, we perform inspections and monitor their compliance on a regular basis.

Status of inspected companies



Development and use of cutting-edge safety technology

We manage the safety of commercial vehicles by developing and utilizing cutting-edge safety technologies such as an integrated management system for the transportation safety of hazardous material, and a drivers status monitoring system for drowsy bus drivers.

ENHANCE VEHICLE SAFETY

Enhancing the safety of vehicles is the beginning of protecting lives from traffic accidents. Within this ever changing vehicle technology environment, we are proactive in how we respond to our surroundings as well as in improving our services.



Vehicle inspection

Through vehicle inspections, we secure the safety of motor vehicles, and reduce hazardous materials. We have improved the level of convenience by introducing an inspection call service and a smart booking system.

Strengthening the inspection of public transportation

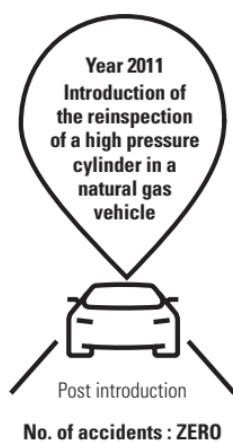
To prevent large-scale traffic incidents from occurring, we exclusively perform the inspection of large commercial buses. Starting with the metropolitan cities in 2018, our inspection will be implemented nationwide by 2019.

Management of modified vehicles (tuning)

We protect people's lives by verifying the safety of modified vehicles. In order to eradicate illegal modification, we perform joint inspections and regulations with the responsible governmental bodies.

Inspection of the High Pressure Cylinder

We inspect the operation of safety devices and the installation status of high pressure cylinders. We also promote safety practices to transportation companies.



MAKE **SAFE** RAILWAYS AND AIR TRANSPORTATION

A single railroad or aviation accident is highly likely to cause mass casualties. Therefore, we perform the scientific safety management of railroads and aviation.



Railroad safety management considering the lifecycle

Prior to the construction of a railroad, we review all design drawings and specifications, inspect the status of operation readiness before opening, and approve and manage the safety management system of the railroad operator.

Training drivers and traffic controllers

By holding rolling stock driving tests and examinations for certification of qualification as traffic controllers, we prevent railroad accidents through securing a talented workforce with specialized knowledge and skills.

Proactive aviation safety management

We operate the aviation safety and security voluntary reporting system to prevent an aviation safety and security accident. And we also perform the inspection work of aviation obstacle lights and markings on a regular basis.

Management of aviation personnel licensing

To secure qualified expertise in the aviation industry, we offer qualification tests for flight crew, air traffic controllers, aircraft maintenance personnel, dispatchers. We also offer certification tests for the pilots of the ultra-light vehicle(ULV) to nurture the drone industry.

Status of the reduction in railroad accidents and operational failures

Category	2016	2017	Rate of reduction
Railroad accidents	54.9 cases	42.2 cases	23.1%
Operational failures	107.1 cases	96.4 cases	10.0%
Deaths(exc. suicides)	12.1 people	7.2 people	40.5%

*Per 100 million km of railroad operation distance

DRIVE FORWARD THE COMMERCIALIZATION OF THE AUTOMATED VEHICLE

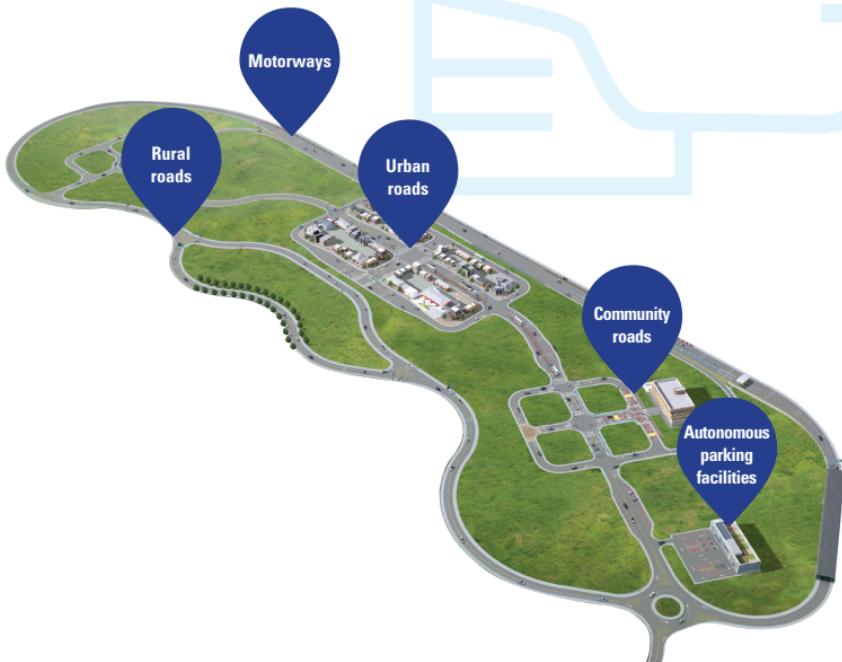
Through the use of automated vehicles, we can reduce traffic accidents. Presently, we are leading technological developments in order to achieve the commercialization of automated vehicles by 2020.

● 2020 Research on the commercialization and safety of the automated vehicle

We help define the technological levels of automated vehicles and establish in each the applicable safety standard. We examine the three core safety elements of the automated vehicle. We lead the establishment of the United Nations(UN) international standards, based on government R&D results.

● Establishment of K-City, the test-bed for automated vehicles

A 360,000-square meter test-bed is going to be opened in Hwaseong, Gyeonggi Province. We will be able to support technological advancements and developments by promoting the safety of automated vehicles with a world-class infrastructure and facilities.



NURTURE NEW INDUSTRIES IN TRANSPORTATION

We are constructing an ecosystem suitable for future transports that will help new industries develop to ensure that the 4th Industrial Revolution further provides us with convenience and safety.



Comprehensive drone safety management system

We nominate specialized education institutes and train specialized trainers for drones. In response to the increasing demand on practical tests for drone controllers, we have established a national practical testing center for the safe operation of drones.

Specialized drone education providers

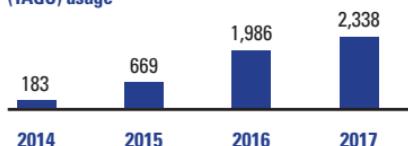


*As of June, 2018

Management of public transit information using Big Data

We collect public transportation information nationwide and subsequently provide it to private portal companies. We also collect information on taxi operations and utilize it for accident prevention and the establishment of taxi policies.

Number of Transport Advice on Going Anywhere (TAGO) usage



* Number of uses(Million)

Research on advanced vehicle inspection technology

The construction of the Korea Advanced Vehicle Inspection Center(KAVIC) will be completed in 2020. It will serve as a control tower for the advanced vehicle inspection through differentiated inspection technologies, equipment and expert training programs.

CREATE AN ADVANCED TRAFFIC CULTURE

We are changing people's perception for the better so that transportation safety becomes a natural part of the daily lives of the people and forms a sound traffic culture.



Safe speed 5030 in urban areas

In order to protect the lives of pedestrians, we are working on a project that calls for the reduction of speed limits in urban areas. Part of the project is to suggest ways to improve the roadway infrastructure such as facilities that induce vehicles to reduce their speed.

Traffic culture index

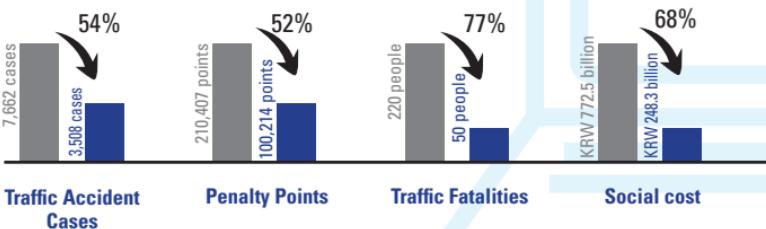
Every year, we survey the traffic safety levels of 229 cities nationwide. We select cities from the lower percentile of the index and suggest to them customized solutions.

Experience-oriented safety training

We offer experience-oriented safety training that focus on field driving practices to correct driving habits and heighten safety awareness.

Effects of experience-oriented safety training

■ Before training ■ After training



*Analysis results of 50,181 trainees that covers a period of 12 months encompassing post training and pre-training periods

BE RESPONSIBLE FOR TRAFFIC SAFETY IN OUR DAILY LIVES

Traffic safety will become closer to people's lives so that you can safely continue with your day-to-day lives.



Safety inspection of roads in apartment complexes

With help from residents and the administrators of apartment complexes, we analyze the transportation safety problems of residential roads and customize improvement plans.

Safety inspection of roads in apartment complexes

2012–2017

Inspections completed on 266 apartments across the country. A 37.5% reduction in traffic accidents.

2018

Expanded inspection targets to include 120 complexes, an increase from the previous 50 complexes

Real-time safety school bus service

We installed Digital Tacho Graphs (DTG) on school buses, providing you with your children's real-time location and bus boarding information.

Mechanical parking lot inspection

We prevent accidents from occurring by inspecting mechanical parking lots and training the facility managers. In particular, we conduct more stringent inspection on old mechanical parking lot with high risks of accidents.

ENHANCE CAR CONSUMER PROTECTION

We create regulations and systems for car consumers. In addition, we promote consumer rights and encourage the production of safe vehicles.



New car assessment program

The purpose of this program is to assess and provide the safety levels of new car models every year, so that customers can thoroughly and rationally consider their car choices.

Evaluation items for vehicle safety

2017

- Added new test items for assessing the crash worthiness of vulnerable passengers
- Drastically strengthened the evaluation of safety devices for the prevention of vehicle accidents

2018

- Included environmentally friendly vehicles in the targets of evaluation to provide safety figures for environmentally friendly vehicles

Vitalization of the investigation of manufacturing defects

We conduct independent investigations to request the corrections to the manufacturer. By demanding the mandatory disclosure of documents by manufacturers, we prevent any concealment and reduction of defects as well as the intentional delay of recalls.

Provision of customized vehicle information for the public

By offering "Car365", a comprehensive vehicle information service, we provide consumers with practical information throughout their vehicle's life cycle.

PRACTICE SOCIAL RESPONSIBILITY

We share jobs for a healthier society, and we share love for a happier society. We aim to fully support everyone's happiness by advocating the joy of sharing.



Support for car accident victims and their families

We offer economic and emotional support to car accident victims and their families so as to encourage them not to lose hope.

Sharing through united efforts

Employees of the Korea Transportation Safety Authority donate part of their salaries for donations and volunteer activities, all with the aim of helping out neighbors in need.

Practice corporate social responsibilities

We realize the value of sharing by utilizing our resources and capabilities: all employees are members of the TS Volunteer Team and contribute socially across the many regions of Korea.

Creating good jobs

We seek to create jobs by utilizing our 4th Industrial Revolution expertise and infrastructure, while at the same time, expanding the transportation safety service. By creating 10,000 new jobs by 2020, we will lead the realization of our social values.

Conversion of temporary positions, and improving working conditions

As of 2017, we converted 100% of our temporary employees to permanent employees. We practice ZERO discrimination for socially disadvantaged employees, such as high-school graduates and field staff.



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