Traffic Light Recognition

Safe Distance Alert

Bicycle Detection

Pedestrian Detection

Front Collision Warning

General Object Detection

Lane Centering Lane Keep Assistance

Russia
Europe
South Korea
China
Japan
North America
Middle East
South East Asia
South America
Australia
Republic of South Africa

Vehicle Model

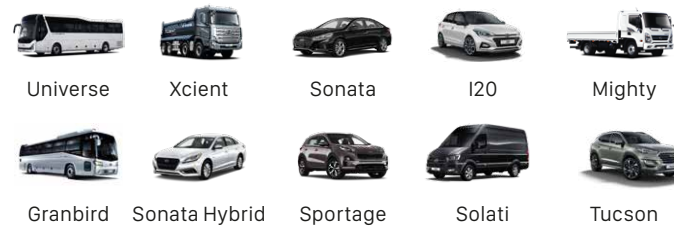| Universe	Xcient	Sonata	I20	Mighty
Granbird	Sonata Hybrid	Sportage	Solati	Tucson

Headquarters / R&D Center
12th Floor, INNOPLEX Bldg., 57-5, Yangsan-Ro, Yeongdeungpo-Gu, Seoul 07271, Korea

AI R&D Center
5th Floor, UNIQUEST Bldg., 314, Hwangsaeul-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 13591, Korea

www.aimatics.ai

Happiness of a higher level through A.I

Unmanned Vehicle Solution

A.I.MATICS implements localization technology with vision sensors only to achieve Level 4 urban self-driving.

- Self-driving solution based on onboard vision sensors
- Level 4 self-driving in urban areas
- Faster application of road environment and higher utility compared to existing HD map-based self-driving technologies

Business Area

- We are currently supplying the solution to overseas and domestic automakers, and are undertaking related demonstration projects.
- Applying the solution to various areas related to the operation of logistics vehicles, shuttles, agricultural machinery, etc
- Get more performance than any other self-driving solution at a lower price.

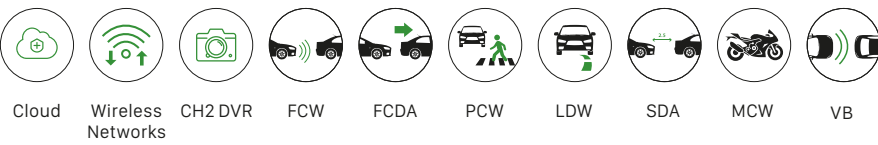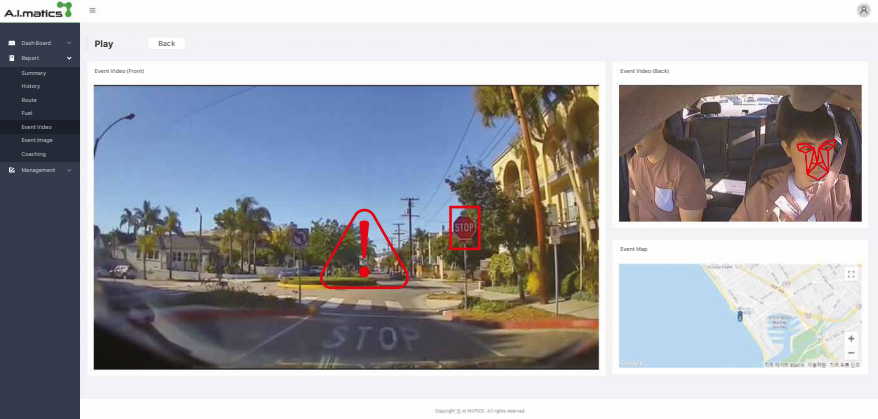| Logistics	Sweeper Truck	Garbage Truck	Snow Plow	Farm Machinery	Transit Bus	Golf Cart

AI-MATICS Solution

Is a solution that provides customers with helpful information by collecting big data related to vehicle operation in the Cloud, and analyzing it through image-recognition hardware that is equipped with AI features.

Web/App

| Main Body | Display | Internal IR Camera | LTE Modem | Vibration Device | CCR Cable | HUB |

| Cloud | Wireless Networks | CH2 DVR | FCW | FCDA | PCW | LDW | SDA | MCW | VB |

Edge-Computing

The AI Edge Device, optimized for video processing and recording, recognizes the road environment and driver status and alerts you in real-time in risky situations.

- Image Recognition
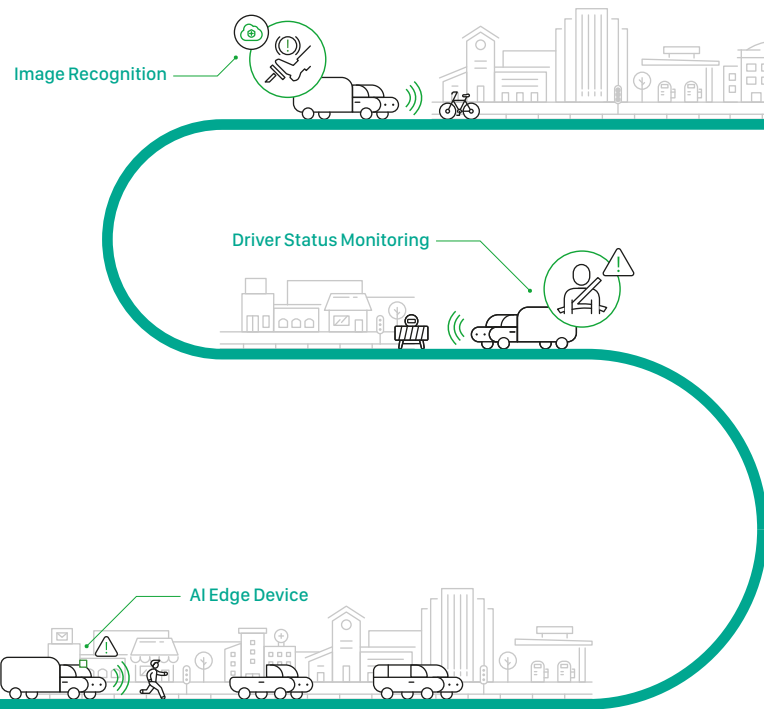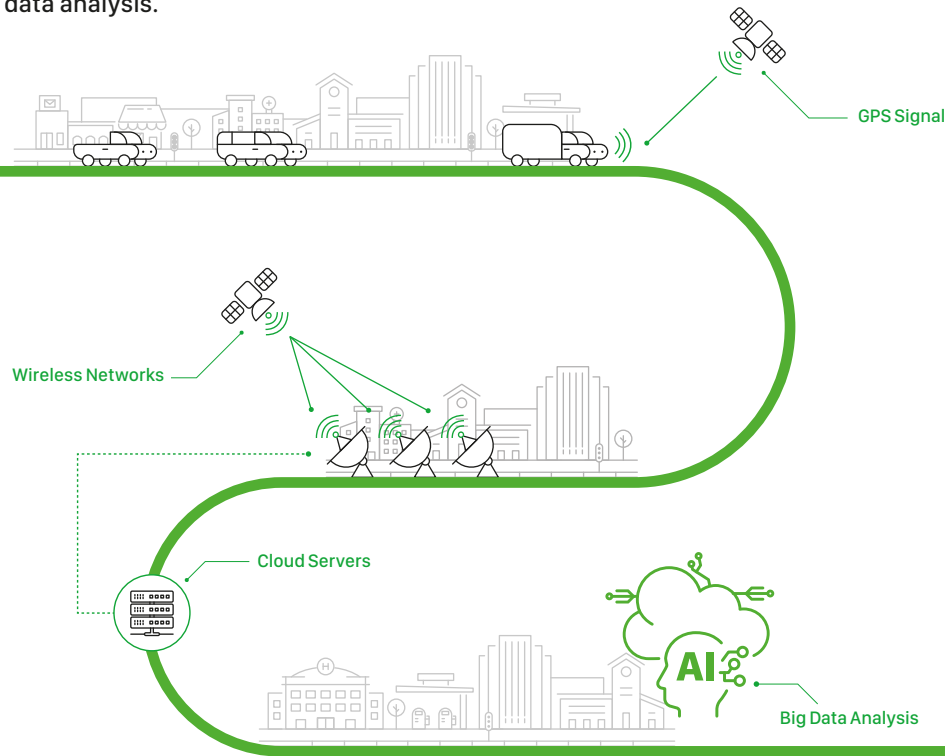- Driver Status Monitoring
- AI Edge Device

Image Recognition
- Deep learning-based edge-computing technology.
- Real-time image recognition and analysis to alert the driver.
- Upload video data to the cloud in the event of an accident.

Driver Status Monitoring(DSM)
- Recognizes and analyzes the situations related to drowsiness, smoking, drinking, telephone calls and warns the driver.
- In case of an accident, recorded data are uploaded to the Cloud for analysis.

Cloud-Computing

Analyze vehicle and driver data by uploading data from the AI camera to the server. Cloud computing with AI algorithms enables faster and more accurate data analysis.

- GPS Signal
- Wireless Networks
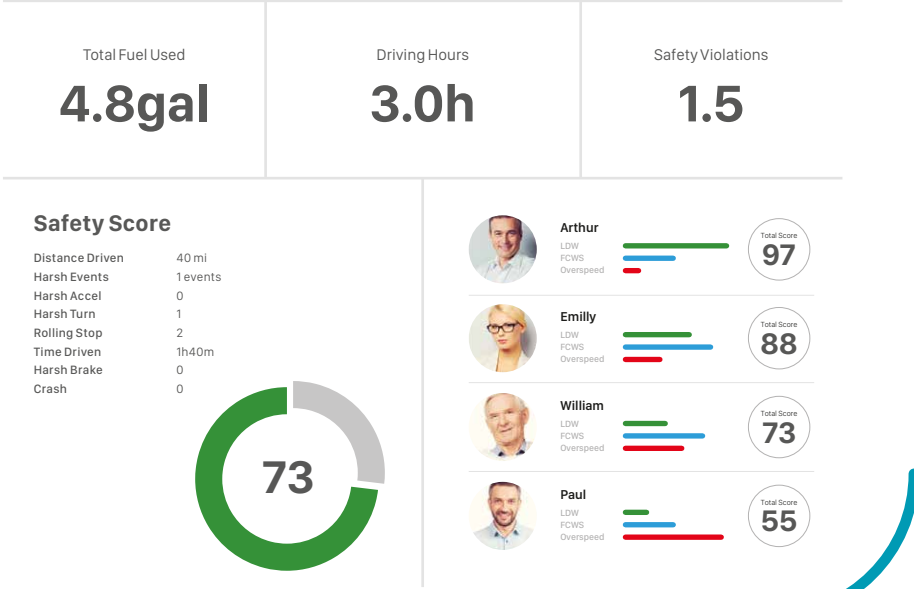- Cloud Servers
- Big Data Analysis

- Our cloud stores driving images, vehicle conditions, the surrounding traffic environment and logs.
- Access your information anytime, anywhere, by connecting to the Cloud.
- Applied with cloud-computing technology, driving data is analyzed by our deep-learning AI features
- Self-learning and analysis without a human intervention

Scoring

The server provides fleet managers with a quick, at-a-glance view of the different types of data that A.I.MATICS provides. Scored data can be used for driver and vehicle management.

Reporting Dashboard

Total Fuel Used	Driving Hours	Safety Violations
4.8gal	3.0h	1.5

Safety Score

Distance Driven	40 mi
Harsh Events	1 events
Harsh Accel	0
Harsh Turn	1
Rolling Stop	2
Time Driven	1h40m
Harsh Brake	0
Crash	0

73

Name		Total Score
Arthur	LOW FCWS Overspeed	97
Emilly	LOW FCWS Overspeed	88
William	LOW FCWS Overspeed	73
Paul	LOW FCWS Overspeed	55

- Optimally customized data analysis and delivery
- Easily access information analyzed on the web console and apps
- Data sorting feature is included
- Provides data necessary for driver monitoring and coaching