NEC Smart Transport Services

Safety and Security

Travel with peace of mind every day, for every journey

We understand that safety and security across our transport networks is more important than ever before. At NEC, we provide the latest in safety and security features, providing customers the confidence they need to feel safe and secure while travelling.

For Public Transport Authorities and Operators, we implement the latest in Advanced Driver Assist technology to ensure bus drivers operate as safely as possible and provide them with all the information they need prior, during and at the end of their shift. Our Facial Recognition technology enables secure driver sign-on at the start and end of each shift.

This technology, coupled with our comprehensive CCTV system, is also used by authorities around the world to monitor the network for any unlawful activity and apprehend offenders.

For customers, our easy-to-use app empowers customers to enable a 'Find Me' application that means they can monitor their loved ones as they travel on the network.

Our Safety and Security portfolio prioritises 3 key aspects for enhancing your transport network's overall performance:

☁ Advanced Driver Assistance Systems

☁ Driver Performance Systems

☁ Facial Recognition Technology

Advanced Driver Assistance Systems

NEC's Advanced Driver Assistance System (ADAS) is designed to reduce vehicle incidents and accidents and positively impact driving behaviour through the application of vehicle, operational, telematics data and video content. This is a cost effective, cloud-based solution, accessible anywhere at any time.

Driver Performance Systems

This draws together data from different sources to present a snapshot of drivers service delivery and performance; including incidents of speeding, harsh braking, harsh steering and idling time, as well as recorded safety incidents and motor vehicle accidents with/without injuries, compliments and complaints.

Facial Recognition Technology

Software and hardware that uses people's faces as their identification e.g. for driver sign on/off as well as monitor the transport network for any unlawful activity.

NEC is the world's leading provider of Facial Recognition solutions, and presently develops systems for governments, security organisations and commercial sector operators in 120 countries.

Safety and Security for Customers

Advanced Driver Assistance Systems

Customers have a predictable journey every day regardless of the service they board or the driver they have. Customers have confidence that their driver knows the route and that they receive real-time information regarding speed limits and lane departure warnings all working together to minimise incidents or accidents.

Driver Performance Systems

Drivers can be monitored for fatigue, response times to incidents and harsh or erratic braking. This means that customers can expect a smooth and safe journey every time.

Facial Recognition Technology

Authorities can monitor behaviour of those who are doing the wrong thing or have intent to harm others. This allows customers to feel safe and secure on the transport network at any time of day regardless of age or gender.

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NEC Smart Transport Services

Safety and Security for Public Transport Authorities and Operators

Advanced Driver Assistance Systems

Visualisation of driver profiles, training history, and accident prediction results provide public transport operators with invaluable insights on the performance of their frontline personnel and offers a foundation for ongoing staff development.

Driver Performance Systems

PTA's can set key performance indicators (KPI's) to ensure that drivers meet comfortable driving conditions for customers, as measured by regular customer satisfaction surveys. Operators can manage their drivers and provide them with real-time information on their driving ability that can be used to reward best driver behaviour. Our system helps drivers track road hazards, driver start/stop behaviour, driver fuel efficiency as well as driver fatigue.

Facial Recognition Technology

Our Facial Recognition technology can be used to securely sign drivers on and off a shift, ensuring that operators know that services are being safely operated by rostered personnel. Additionally, our facial recognition technology can be used to track illegal behaviour on the transport network and used by authorities to apprehend people who commit unlawful behaviour either on or off the transport network. Information can be shared with relevant authorities such as State and Federal Police.

NEC

\Orchestrating a brighter world

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For more information on our Smart Transport Services, visit:

nec.com.au/sts

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