TATA ELXSI

INTELLIGENT TRANSPORTATION SYSTEM
Secure | Comfortable | Captivating

KOIOS
Connected Mobility

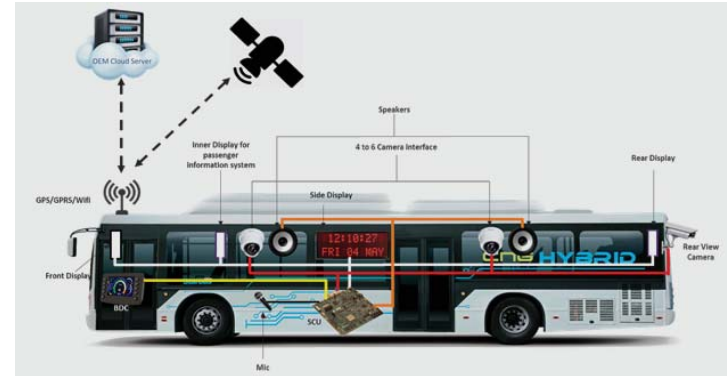### Improving transportation systems, emissions, and traffic congestions

A next-gen application enabling innovative services for various means of transport and traffic management

Custom-built platform for intelligent transportation solutions:

- Passenger Information System (PIS)
- Automatic Vehicle Location System (AVL)
- Security Camera Network System (SCN)
- Vehicle Health Monitoring And Diagnostics (VHMD)
- Infotainment System

Safer roads, secure environment, comfortable journey

- Custom high-performance platform for enabling ITS with compliance to UBS II ITS specification
- A platform having pluggable ML engines for various applications like AI DMS, telematics data analytics and insights, security, surveillance, etc.
- Smart Traffic Management - Reduced congestions, accidents
- Machine learning and pattern matching based route planning - effective road usage

CAPTIVATING EXPERIENCE

High bandwidth for Ultra High Definition virtual reality based tourism

Personalized stores with 4K video and targeted ads for revenue generation

SECURE ENVIRONMENT

Secure 5G slices for each service

Machine learning based Fugitive detection, Driver and Passenger monitoring, with automated real-time connectivity to fire station, hospitals, police and intelligence departments

COMFORTABLE TRAVEL

Low latency responses from vehicle control system

Temperature, noise, humidity, other IoT sensors
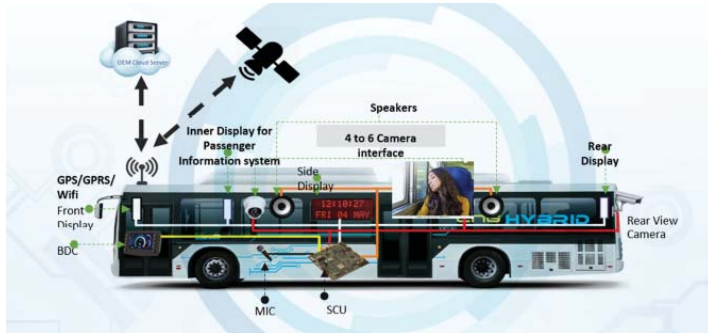
INTELLIGENT TRANSPORTATION SYSTEM

Custom high-performance platform for enabling Intelligent Transportation System applications, compliant with UBS II ITS specification. A platform having pluggable ML engines for various applications like AI DMS, telematics data analytics and insights, security, surveillance, etc.

Safer roads, engaged drivers

Reduced loss of life/ accidents

Enhanced traffic security

Reduced operational cost

TI Jacinto 6-based solution, HD disassociated displays (for the BDC), Ethernet cameras, Dual band Wi-Fi, 4G connectivity and navigation system with world-wide coverage

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Real-time cognitive monitoring of driver/ occupant using vision & telematics data on NVIDIA board:

- Intelligent system to monitor, automate, analyze, and manage alerts for driver
- Integrated cloud analytics platform for remote driver safety monitoring