

Turkey's first NFC project

Kentkart's latest venture to develop an application that can process the purchase of tickets for public transport was recently finalised, with the successful launch of Turkey's first NFC operated public transport payment scheme on the 30 January 2015 in the city of Manisa. The highlight of this application is that it is compatible with an Android or any near field communication (NFC) enabled smartphone.

Through this application, the validator on the public transport vehicle can read the virtual ticket previously downloaded by the passenger. These functions taking place independently of any GSM or TSM operator are stored in the cloud, which leads to a host-based payment structure. Future upgrades include the installation of a Bluetooth receiver antenna in the vehicle, so that the payment can be deducted directly from the smartphone according to distance travelled. This system allows passengers to pay directly upon entering a public transport vehicle without having to use an extra card or show their smartphones to a staff member, thereby making the journey smoother and more convenient. This, in turn, leads to a significant reduction in the infrastructure costs of the transportation system as passengers will not have to pass through turnstiles before entering the vehicle. The Manisa NFC system is currently used by 500 mobile users and already accounts for 30% of NFC mobile use in the entire city. NFC users can top-up their mobile online by giving one time authorisation to their credit card account. If the mobile balance is less than 10TL, it automatically tops-up its mobile purse to 20TL. Using this easy Kentkart application, passengers save precious time rather than spending it at kiosk offices. In Manisa, contactless credit card payments are also accepted along with regular transport contactless cards and disposable smart tickets in all public transport vehicles. By doing so, a wide range of payment alternatives have been provided for easy, fast and reliable public transport operations in the city.

Kentkart equips Baku and Islamabad Public Transport Network with ITS

As an Intelligent Transportation Systems provider, Kentkart continues to ensure its pioneering position in the sector by taking giant steps with success. With the addition of Baku (Azerbaijan) and Islamabad (Pakistan) projects, Kentkart systems expand to 11 countries and 38 cities at present. The opening ceremonies of the systems in the aforementioned cities were held in April 2015.

Baku

Kentkart started its operations in Baku by installing an Automated Fare Collection with SmartCard, Vehicle and Fleet Management, and a Real-Time Passenger Information System for the Baku Public Transportation Network. These systems are installed on 300 buses of the Baku Bus Co., and in time, the final number will total 2,800. Installation of 280 turnstile validators and 200 Ticket Vending Machines



have been completed for the Baku Metro network, which consists of 25 stations. Approximately 1,600 rechargers have also been integrated with the Kentkart Intelligent Transport System software. Initially, the public will be using two million MiFare Plus cards and five million MiFare Ultralight tickets for the new Baku Public Transport System.

Islamabad

Kentkart introduced the first ITS technology to Pakistan two years ago when Ticketing, Vehicle Tracking and Real Time Passenger Information Systems were applied in Lahore. The success of the implementation and operation in Lahore awarded Kentkart with a second contract in Pakistan after two years. Islamabad-Rawalpindi BRT line has 24 stations, and it is 22.5km-long. The system was inaugurated in April 2015. On average, it is planned to carry 153,000 passengers daily. Kentkart completed the installation of 144 turnstiles and validators for Automated Fare Collection operations; 70 On-Board Control Units for Vehicle Tracking and Driver Duty Management system, 48 LED Screens for Real-Time Passenger Information System, 27 TVM's for contactless smartcard sale and recharge, 78 rechargers for top-up cards at kiosks, and five inspector devices for card usage inspection operations.

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