



## LAND TRANSPORT AUTHORITY - Symphony for ePayment (SeP) Project



**Project Scope** MSI's scope included design, software development, hardware supply and modification of the following :-

- Central Computer System for default Card Manager;
- Station Computer (SC);
- Passenger Service Machine (PSM);
- General Ticketing Machine (GTM);
- Automatic Gate (AG);
- Data structure redefinition to comply with CEPAS standard; and
- Replacement of CEPAS compliant CSC Cards.



**Project Period** Project was awarded to MSI, on 01 July 2005 to commence design. The Project had been in revenue service since January 2009 and more enhancements are currently planned to be delivered in the future.

**Developer and Client** Land Transport Authority

**Location** Singapore



### Project Description

To progress further from a "Single-issuer" to a "Multi-issuer" Automatic Fare Collection System, LTA had decided to develop the 3<sup>rd</sup> generation AFC System for Singapore, leveraging on the Singapore Standard for Contactless ePurse Applications (CEPAS).

Multi-issuer allows more than a Card Manager to issue Cards that can be used in the Transit and Non-transit environment. The transaction settlement will be completed by each Card Manager.

MSI has delivered the software for all the devices to comply with the CEPAS implementation.



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