



## BANGKOK MASS TRANSIT SYSTEM PUBLIC COMPANY LIMITED CSC UPGRADE PROJECT



### Project Scope

MSI's scope include the design, develop and supply of the following AFC equipment:-

- 1 set of Central Computer System;
- 27 sets Station Data Concentrator (SDC);
- 235 aisles of gate upgrade kits;
- 80 sets of Point of Sales Terminals (POS);
- 2 sets of Card Initialization Devices (CID);
- 1 set Key Management Facility;
- 1 set of Card Personalisation Device (CPD); and
- 54 units Network switches.



### Project Period

Project was awarded to a Consortium, led by MSI, on 21 July 05. The first stage was completed on 30 Sep 06, whilst the second was completed on 9 May 07.

### Developer and Client Location

Bangkok Mass Transit System Public Company Limited

Bangkok, Thailand

### Project Description

With the maturity of the Contactless Smart Card (CSC) technology and the huge marketing potential that comes with the new card, BTS decided to upgrade its fare collection system to be able to accept CSCs.

Due to the large number of single trips made on the system, BTS decided to also retain the use of the current magnetic cards. As such, the upgraded ticketing medium will consist of both magnetic & CSC cards.

MSI also designed and delivered a new backend processing tier for the CSC in this project, which further enhanced operations.

The daily ridership of BTS trains is about 400,000 trips with about 30% of trips using CSC cards



### Progress

Project is in its Defect Liability Period till end May 2009.

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