

Market (Region) : Malaysia
Site Name : MAXIS COMMUNICATION (NATIONWIDE)
Project : Design, integration and implementation of Cardax Access Control, Perimeter Security and Alarm Monitoring System for TOC Sites - Nationwide Security

HISTORY

Maxis Mobile Sdn Bhd, which started operations in 1995, is the leading telecommunications service provider in Malaysia. Being the leader within the telecommunication industry, the corporation is the fifth largest Public Company in Malaysia with total subscribers of 6.4million, providing a wide range of innovative mobile, fixed and international network services to their customers.

The head office is located within Menara Maxis, an elegant 49 storey building adjacent to the Petronas Twin Towers Kuala Lumpur City Centre. The building is the headquarters of the Tanjong Plc Group of Companies, Maxis Communications Berhad and their associated companies.

Maxis Mobile Sdn Bhd first used the Cardax System (CC Unix) since 1998 when they moved their operations into Menara Maxis, owned and managed by Tanjong City Centre Property Management (Tanjong Plc Group of Companies). The building house over 585 Contactless Mifare Readers across 49 floors and Visitor Turnstiles with some offices having additional readers within their office premises for additional security.

CENTRALISED MANAGEMENT

Prior to installation, Maxis Communication Sdn Bhd had spent over a year to evaluate an entire range of Card Access System that is able to provide high security for their Telecommunication Operation Centre and Base Transceiver Stations and cater for future expansion in their business needs. Cardax was able to provide them with long term business solutions in mind. After much comparison and analysis carried out on the per capita cost of expandability, Maxis Communications had decided to invest substantially on Cardax Enterprise Wide Monitoring System to suit all their future needs.

In April 2005, Maxis Communications and Tanjong City Centre Property Management closely worked together in upgrading their Integrated Access Control with the latest in Cardax Smartcard technology, Cardax FT. The newly developed Cardax FT Smartcard system integrates seamlessly with Photo Identification, Intruder Alarm Management, CCTV Image Challenge and Digital Intercom.

Maxis Communication's choice for Cardax was more than just an Access Control System. Their main objective in using Cardax was as a *Management Tool* to help Site Managers recognize alarm activity occurrences and to have the option of providing immediate access and protection of their valuable assets at all their TOCs sites, nationwide.

Furthermore, as an active management and reporting tool, the Cardax FT system is able to well inform Site Managers on the statuses of all their Cardax field devices at all times. Alarm monitoring and activities are concurrently being carried out via their existing LAN at their Maxis Operation Centre in Menara Maxis and Security Department at Menara Sunway.

HIGHER SECURITY

One of the key features of the Cardax FT System is the FT Challenge software. With high-level interfacing and integration to our Vdosoft Embedded DVR and CCTV System, LAN Intercom and Perimeter Intruder Detection, site operators at Menara Maxis Operation Centre are able to verify Contractor identity at point of entry and grant or deny them access to the TOC sites instantaneously. This is an imperative security measure that was a requirement of Maxis Communications.

Effective Alarm Management and Alarm Escalation was another key factor in selecting Cardax for higher security monitoring. Alarm notifications that are not handled by the Site Operator within a time frame specified will create an Alarm Escalation to Management. Each Alarm notification is followed by a Pre-Programmed Instruction for operators to act on (ie, what to do, who to call).

ONE CARD SOLUTION

Phase 1 of the project which is on-going, is to provide secured networked card access and management system using MIFARE Smartcard Readers to TOC and NOC sites throughout the 13 states within East and West Malaysia.

The One Card solution made possible by Cardax FT is to permit cardholder access given the right authority, to any Maxis buildings and TOC sites nationwide. With Cardax FT system division, sites can be divided into individual geographical zones having their own security access, groups and operator privileges.

One of the beauty of Cardax FT System is that Cardholder Access can be granted or denied from the central office at Menara Maxis or Menara Sunway to any of the Maxis Sites in a matter of few seconds only.

Maxis Communication currently holds the largest Cardax Integration in Malaysia with the incorporation of Smartcard Readers and the latest in Cardax technology, FT Technology. Involving 14 TOC sites currently within East and West Malaysia, Maxis Communications have integrated over 300 Mifare Readers with around 8,000 Cardholders at minimum.