

**FACILITATING FUTURE EXPANSION, ACHIEVING
CONFIDENCE IN SECURITY AND MAINTAINING SMOOTH
FLOW OF BUSINESS IS OF CRITICAL SUCCESS TO
GENTING**



**CARDAX FT SMARTCARD SYSTEM MEETS ALL THEIR
REQUIREMENTS**

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Largest Local Entertainment & Resort In Site Study **GENTING WORLD RESORT**

GENTING RESORT. A name well known internationally amongst the entertainment and casino industry. A premier family leisure and entertainment resort which attracted 17.4million visitors in 2004. Cardax FT Smartcard technology platform continue to increase their business value

GENTING RESORT is keen on employing Smartcards for their resort accommodation, food & beverage facilities and cashless transactions at their casino area



Genting Berhad is the investment holding and management company of Genting Group. Resorts World is principally involved in a tourist resort business at Genting Highlands and its activities cover leisure and hospitality services, which comprise amusement, gaming, hotel and entertainment. The jewel of its crown is Genting Highlands Resort, in which Resorts World owns, develops and manages.

Genting Highlands Resort is a premier integrated family leisure and entertainment resort in Malaysia and Southeast Asia, which attracted over 17.4 million visitors in 2004. The resort offers a wide array of quality leisure and entertainment that encompass hotels, gaming, entertainment, and food & beverage facilities.

Like many other large projects, the implementation of Cardax for Genting Group is no different. Careful planning with various departments is necessary for the success of this implementation across multiple locations. One of the main objectives for Genting Group to invest in Cardax was to execute the One Card solution for the entire Genting Group with future development of smartcard multi-applications in mind.

Due to the fact that the Genting Group is multi-tenanted with various departments and operations, this also holds true for the various Access Control systems installed at the premises over the years as well.

As a result of these, it was becoming increasingly inflexible for staffs and Management to carry multiple cards for different access areas. With the One Card solution in place, existing third party Card Systems will be removed and replaced with the new Cardax FT Smartcard System. Having the corporate network in Genting Highlands linked throughout the entire premises makes it suitable for a network based security and card access system like Cardax to be implemented successfully.

Prior to installation, Genting Group had spent over a year to evaluate an entire range of Card Access System that is able to provide expansion to their business needs and therefore provide them with long term business solutions in mind. After much comparison and analysis carried out on the per capita cost of expandability, the Genting Group had decided to invest substantially **on Cardax Enterprise Wide Access Control & Monitoring System** to suit all their future needs.

Cardax Sales and Services Malaysia (CSS), a subsidiary of Infinite QL had been contracted to work along with Genting Planning, IT and Development Department in prioritizing each installation for various departments.

Spanning across 5 years, the scope of work includes the design, supply, installation, upgrade, customization and integration with 3rd party systems as well as the development of smart card multi applications for future use in Entertainment, Services and Purchases at the Resort itself. Design work involves providing multilevel security clearance in accordance to criticality of each location. Critical areas such as the Treasury Department require Dual Card Authorization, Anti-pass back and Interlocking System to strictly limit all doors to the Treasury area from opening at the same time.

These are additional security measures required from the Treasury Department. The Interlocking system is a Research & Development product of Cardax Sales & Services and is capable of controlling up to 6 doors associated with both automatic and manual control panel. Normally, any interlocking system can only control up to 2 doors at one time.

GENTING manages all high and medium security with one centralized monitoring system – **CARDAX FT**

Another interesting challenge we faced is securing a department which is scattered discretely, for instance the Electrical Rooms. There is only one door each at these rooms and the distance between them varies from 300 to 1000 meter. Since one Controller is capable of connecting up to 4 readers at a minimum, it will not be cost effective by just installing individual Controllers in every Electrical Room.

CSS came up with a solution by integrating an in-house developed product. This product (black box) enables multiple Electrical Rooms at discrete locations to establish a link in order to share a FT Controller. The black box multiplexes all signals from an access door, i.e. Reader, EM Lock, Break Glass, Push Button, Magnetic Contact and transmits these signals over a single cable in less than 2000m back to the Controller. Further to that, the black box is addressable; hence multiple units are applied to one Controller.

As installation progresses, CSS expect to face tougher challenges ahead. Currently, there are 1000 Door Access migration in plan and 500 Emergency Doors. For the critical areas at discrete locations such as spare part rooms and slot machine areas, Cardax FT Intelligent Door Terminal (IDT) Readers are utilized.

Cardax FT IDT Readers are feature-rich door readers with built in Dot Matrix LCD and Digital Intercom for higher security access control. Alarms can be set and unset by authorized cardholders for these sensitive areas via the IDT itself. One of the key features of the IDT is that during an alarm trigger, the Cardax Operator is able to activate the intercom at the IDT Reader to hear its surrounding.

Cardax

Cardax security systems are the choice of market leaders in a diversity of sectors : Government, Education, Property, Banking, Entertainment, Communications, Transport and Health.

Contact Us

To find out more about the security systems that companies put their faith into everyday, contact your nearest Cardax office or visit us on the internet at www.cardax.com

Cardax Sales & Services (Malaysia)

Sales, service and support centre for all Cardax integrated card access system under the holding company, Infinite QL. The Support Centre for Cardax Malaysia, and accredited to be the Technical Service and Board Repair Centre for Asia Pacific region for all Cardax related products.

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