

CASE STUDY

Simple, Yet Effective Standalone Access Control System



→ Location :

Ministry of Environment and Climate Affairs,
Muscat, Oman

→ Products Used :

FINGER007 Standalone Fingerprint Access Controller
100R Standalone Access Controller

→ Application :

Access Control System of the Ministry Building

Ministry of Environment and Climate Affairs

The Ministry of Environment and Climate Affairs is responsible for protecting the marine environment from pollution and taking measures for polluted coastal areas from oil and other harmful substances to provide a sustainable development for present and future generations. Committed Middle Eastern nations have united together to establish the ministry with a mission to protect and save their most valuable asset, the environment. The member States include Bahrain, Iran, Iraq, Kuwait, Oman, Qatar, Saudi Arabia and UAE. The Ministry of Environment and Climate Affairs of Oman is located in Muscat, the capital city of Oman.

The Challenges

With no other security system in place, the administrators of the ministry in Oman have decided to deploy a new access control solution upon the recent renovation of the ministry building. The main focus was to enforce the security level of the data center, which was considered as the heart of the ministry.

One of their main concerns toward deploying the new access control system was the potential cost that may occur in the future. In other words, they didn't want any complicated system that may require constant upgrades and maintenance, which could cause them additional expenses.



The Solution

Working closely with the ministry in Oman to find the best solution, IDTECK's partner for Oman region, Business International Group provided a successful security solution.

In order to provide highest security measure for the data center, seven units of FINGER007 fingerprint Identification Controllers were installed in every entry points of the data center. The versatile FINGER007 holds up to 4,000 fingerprint users and 50,000 event buffers to accommodate all the employees of the ministry. The device also provides various combinations of identification modes (fingerprint / RF Card / PIN), which are selectable by doors or individuals to increase the security level as well as efficiency.

As for the other office areas in the ministry building, they were secured with IDTECK's 100R, standalone controller. Over fifteen units of 100R were installed to keep the ministry building locked and protected, prohibiting the entries of unauthorized personnel. Unlike those dull and bulky design access controllers of the competitors, IDTECK's 100R has a slim and eye-catching design, which makes installation on any type of door frames and wall surfaces possible. In addition, its weatherproof feature allows the device to be installed both indoor and outdoor entry points of the ministry.

After the Successful Deployment

Within just few days after they have encountered the IDTECK security solution, the administrators of the ministry have shown their sign of their satisfaction with its quality and performance. The newly deployed security solution has definitely improved their management efficiency as well as the

FINGER007 (Fingerprint Identification (Proximity / PIN) Time & Attendance Access Controller)



- Dual Function for Access Control and T&A
- 1,000 / 2,000 / 4,000 Fingerprint Users
- Up to 50,000 Users / 50,000 Event Buffers
- Independent 4 Inputs and 4 Outputs
- System Recovery by Self Diagnosis
- Standalone / Network Communication via RS232 / RS422 / RS485 / TCP/IP
- Duress Mode Function
- Dual Tamper Switches
- Anti-Passback Function



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maintenance of their ministry building, which in turn has increased the productivity of their employees.

Also, they got their concerns about the potential expenses in the future, resolved with choosing the standalone system. Not only it made the management of the security system easy and simple, also there were no worries about complicated installations or repairs since no separate controllers were used in the solution.

About Business International Group



Since its establishment in 1978, Business International Group has developed into a leading organization with a strong presence in key sectors including education, health, hospitality and tourism, industrial chemicals, laboratories and storage. It provides contemporary and state-of-the-art solutions to international standards from world-renowned organizations that are pioneers and market leaders in their respective fields, and undertakes major projects dealing with international consultants and architects, and civil and electromechanical contractors.

About IDTECK

Long experience in biometric access control and time & attendance field, IDTECK products assure the most reliable technology out in the security market. IDTECK offers wide range of security products, to provide the best security solution to suit your needs. All of IDTECK products are certified by UL, CE, FCC, MIC, and RoHS to satisfy the standards for international exports.

100R / 100W (125KHz PIN & Proximity / PINPAD Single Door Access Controller)



- Up to 512 Users
- Access Control with Basic T&A
- 1ea of External Reader Port (26Bit Wiegand)
- Standalone /Network Comm. via RS232
- **100W : Weather-proofed Model**
- Keypad Lock by Try-out Error Alarm
- Duress Mode Function
- Toggle Mode for Door Opening/Closing
- Dual Tamper Switches
- Safe / Secure Mode Available



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