

Customer Stories

Secure Access Control Implementation at UAE Ministry of Energy and Infrastructure



About UNION biometrics

UNION biometrics is a global leader in biometric security, delivering comprehensive, high-performance access control solutions and premium multi-modal recognition devices built on proprietary technologies and patented anti-spoofing methods, protecting critical infrastructure, corporate, and government facilities worldwide through a trusted global partner network.

Overview

The Ministry of Energy and Infrastructure (MoEI) is a federal government entity in the United Arab Emirates (UAE), established through the merger of the former Ministry of Infrastructure Development and the Ministry of Energy. It is responsible for overseeing key sectors to support the country's economic, environmental, and social sustainability. The ministry aimed to implement a secure access control system at its headquarters in Dubai that would allow seamless entry for daily visitors while ensuring full protection against unauthorized access.

Challenge

The access control area consisted of a large open space, which made managing multiple visitors arriving simultaneously challenging. Previous attempts with several facial recognition systems failed due to harsh outdoor conditions, including strong sunlight and rapidly changing lighting. MoEI needed a solution that could reliably operate under these real-world environmental conditions while providing secure and efficient access control.



Customer

UAE Ministry of Energy
and Infrastructure



Partners

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Industry

Government



Location

UAE



Product/Solution

UBio-X Face Pro/
UBio-Alpeta



Solution

UBio-X Face Pro, equipped with fingerprint and QR code functionality, was deployed alongside speed gates to monitor and record all employee and visitor access transactions. A Visitor Management System was implemented, allowing visitors to register at self-service kiosks using their national ID, capture facial data, and gain automated entry and exit access. The system supports multiple authentication methods, including face recognition, PIN, card, QR code, and fingerprint, according to management-assigned access levels. Additionally, the backend Alpeta software was seamlessly integrated with MoEI's ERP system and internal government portal, enabling automated assignment of additional benefits and ensuring smooth system-wide operation.

Value Delivered

This implementation delivered significant value by providing reliable performance under challenging environmental conditions, enhancing overall security with multi-modal authentication, and streamlining visitor management through automated registration. The seamless integration with existing systems enabled centralized monitoring and control of all access transactions, improving operational efficiency. Overall, UBio-X Face Pro provided a secure, flexible, and fully integrated access control solution tailored to the complex needs of a high-profile government organization.

At a Glance

UBio-X Face Pro



Experience, Beyond Security
Next Generation Multi-Performance Biometric



- 5" IPS LED touch screen
- Walk-through facial recognition up to 4m
- Advanced anti-spoofing technology
- Large capacity: up to 500,000 users & 10M logs