

Client – Kingdom of Saudi Arabia

The Kingdom of Saudi Arabia is the largest country of the Arabian Peninsula and is often referred to as the “swing producer” or provider of “last resort” for oil across the globe.

The Kingdom's population is over 25 million, with roughly 5 million foreign residents. The Hajj (Arabic: حج, transliteration: Ḥaǧǧ) is a pilgrimage to Mecca. It is the largest annual pilgrimage in the world, where people from all countries travel to Saudi for religious purposes.

The Challenge

Pilgrims/Travelers are intended to stay for a short time, then leave. Unfortunately, overstaying became problematic. Travelers would create counterfeit for fraudulent national ID cards, which, at the time, were laminated paper with little security features.

The Solution

In response to the weak National ID card, the Kingdom engaged Titan as a prime contract to develop and roll-out a smartcard-based national ID card. Litmus Logic was Titan's subcontractor responsible for the smart card design and the credential management system (e.g. policies, procedures, operations).

The Result

The Kingdom's new national ID card has similar security features embedded in money that protect against counterfeit cards. The credential management system (e.g. policies, procedures, operations) were designed and established to prevent the issuance of fraudulent cards.

The technical architecture was extremely flexible. It supported the addition of fingerprints biometric matching, supported multiple smartcard applications, enabled storage of medical data on the large capacity optical stripe.

The processes architecture was modified to allow the National ID card to replace the driver's license and eventually the family card.

The smart card National ID card has recently gained more attention for its use in 2007 for facilitating trusted travel between GCC countries.