



Solution Innovation Case Study:

Optimized Biometric Access Control for High Value Asset Protection

The SEC Solution Innovation Partner (SIP) program evolved as a means for practitioners to choose a trustworthy risk mitigation provider with confidence when there are a myriad of options in the marketplace. Proven Solution Innovation Practice Case Studies help to evaluate performance claims and differentiate security solution providers for business outcomes including risk mitigation, return on investment, and security assurance. The following case study demonstrates this methodology for the Israel Diamond Exchange (IDE) through its implementation of FST Biometrics' IMID Access (In Motion Identification) solution. This Solution Innovation Case Study offers a proven process approach for mitigating risk(s) that could result in injury or impairment of people, assets, critical processes, products and/or brand reputation.

Risk Issues and Mitigation Opportunities:

1. The IDE is the largest of the 30 diamond exchanges around the world. With millions and millions of dollars' worth of diamonds entering and exiting the IDE on a daily basis, security and identification are of paramount importance due to the daily operational risks faced the Facility.
2. A new polishing house is situated independent of the main IDE campus, and has a unique staff of 100 workers and hundreds of frequent visitors, rendering and receiving services.

Solution Requirements:

- The IDE needed to provide to its members and visitors the highest level of security, without impeding operational efficiency.

Delivered:

- ✓ The IDE installed FST Biometrics' IMID Access solution for the polishing house's entrance.
- ✓ All personnel were enrolled in one day, and can enter the center in motion.
- ✓ Visitors are divided into two categories, the frequent visitors and one-timers.
 - The first time a frequent visitor enters the polishing center, s/he is identified and enrolled. On each subsequent visit, following a determination that the person is authorized to visit, s/he will be able to enter and walk around freely.
 - One-timer access is monitored via the system too, while keeping records of their visits.

Outcome and Benefits of Service Including ROI:

- ❖ The installation took place over the course of one week. Staff enrollment was completed in two days. In short, the IMID Access solution was implemented quickly and efficiently.
- ❖ For such a high-traffic area, the FST Biometrics solution has shortened the entry process and simplified the work of the reception staff by 35%. The operators of the system are part of the professional staff of the polishing house and there is no need to assign dedicated resources to operate the system.
- ❖ Israel Vantsovski, Director of Security for the Israel Diamond Exchange, said, "Because the Israel Diamond Exchange serves as a trading area for so many diamonds, security has to be as serious as possible. We examined various cutting-edge secure access technologies, and did serious testing. We even ran a pilot in April 2014 at International Diamond Week, a large conference hosted by the IDE. We were able to experience for ourselves that FST's IMID Access is the best available on the market."



SIP Process

This process was overseen by a Council Faculty member with 16 years of experience in developing and leading people and asset protection programs as a trusted security advisor for global, multinational organizations. End-user authenticated July 2015.

Note: The Security Executive Council's Solution Innovation case study represent a snapshot in time to demonstrate a solution to a specific-organization's issue. End-user diligence, trial and measurement are strongly recommended for any contemplated risk mitigation activity.

A General Comparison of Competition

Client Service/Resource Attributes or Capabilities	Using IMID Access	Using standard Access Control System	Savings %
Integration of peripherals and access control system	No need, use pre-set configuration	Dedicated project (~\$10K)	100%
Setup time	1 working day	3-5 working days	80%
Dedicated doorman for the polishing house	No need	Full time	100%
On-going maintenance of physical ID resources (RFID)	No need	5% -10% annually	100%
Users and operators training (ease of use)	2 hours on site	1-2 days	90%

*Overall savings estimated annually by 30K-40K USD per access point primarily due to guard force reduction.