

Automated Fingerprint Identification System (AFIS)

AFIS includes the *Fingerprint Analysis and Criminal Tracing System (FACTS)*. FACTS is a tool for Finger Print Experts and assists in the job of Finger Print Identification. FACTS automatically detects features of fingerprints and matches them against those stored in the fingerprint database. The finger print expert can check the system for detected features and verify the matched prints.

The system also includes the *Criminal Attribute Database (CADB)* software module which is essentially a database that stores all criminal history and which the FACTS system uses to connect a fingerprint to its appropriate criminal record.

The system has already proved its effectiveness in the identification of criminals with the Mauritius Police Force (MPF).

Firearm Index Management System (FIMS)

The Firearm Index Management System is a central repository of all licenses and firearm details usually kept by the Central Firearms Department of a Police Force. The main objectives of the system are to control arms in the country, maintain records of arms and to maintain arms owned by the population and the government.

In general, the system helps citizens abide by governmental laws on arms.

Immigration and Border Control System (IBCS)

SIL has developed a comprehensive, flexible and user-oriented, tested solution for Passport & Immigration Services/Border Control. The system caters to multiple ports of entry. It is specially designed for rapid customization and deployment that results in a robust and a full-fledged end product. It consists of Border Control System, Visa & Permits Processing, Travel Document, Office Automation, Controversial / Black List and a tightly integrated Electronic Document Management and Work Flow system.

List of main modules and components:

- *Citizenship*
- *Border Control System*
- *Visa & Permits Processing*
- *Residence and Occupation Permit*
- *Controversial Individuals*
- *Electronic Document Management and Workflow*
- *RDBMS*
- *Reporting Tool*
- *Material enabling Connectivity*
- *Peripherals including Document/Passport readers, Barcode readers and Barcode Printers*

Mechanical Workshop System (MWS)

The Mechanical Workshop System is *Vehicle Management System* used for managing the repair and servicing of vehicles/plants/equipments of a Police Force.

The system reduces lead time for procurements of spare parts, late servicing of vehicles, long stays of vehicle in the workshop by allowing for better planning and follow up of jobs and tasks in every section and unit of the Police Department. The system allows the management to be aware of the whereabouts of a vehicle from the workshop, at any given time. Reasons for delays are closely monitored for future optimization of processes.

Crime Occurrence Tracking System (COTS)

COTS is an effective and efficient solution in tracking crime occurrence in a country. The 2 key objectives of the system are Process Automation & Intelligence:

- *Process Automation:* A Police Force has processes to respond to the demands of law enforcement (eg. Creation of case based on a crime occurrence).
- *Intelligence:* Intelligence that can help track the progress of cases from a management perspective and to resolve criminal cases from an inspector perspective

The system includes a Case Management solution that enables automating manual processes and delivering intelligence to improve the effectiveness and outcomes of the processes. COTS automates the process of handling crime occurrence, and provides information that help the right officers within a Police Force to close cases.

Additional capabilities of COTS:

- COTS can help a Police Force to amend the processes or create new reports without the intervention of external service providers. This level of flexibility is important for an organisation that is continuously improving.
- The system can be extended with other modules based on the future requirements of the Police Force (eg. Call Center software can be added to manage calls received by the organizations. The Call Centre facilities can be computerized and fully integrated with COTS while still using the same people information).

