



OUR MISSION

We exist to bring about an impactful change in the world of identity management solutions by providing secure, reliable and innovative products to the market that are tailored to meet its evolving needs in identity and security management.

OUR VISION: To Provide digital identities for everyone

In a world becoming increasingly digitized, Biometric Identity Management is imperative, and that easy and swift accessibility to all information, and its sharing, should be possible beyond barriers, with a guarantee of security. We see governments and private organizations (national and multinational) in South/South-East Asia, Africa and Latin America as the ideal agents through which to establish our biometric market leadership.

We strive to provide high-end technology solutions to complex and demanding problems by using our extensive experience in providing system development, deployment, integration and consulting services for a significant number of large-scale public and private sector projects related to biometric identity management, database management, MIS systems, and e-governance.

WHAT WE DO

Established in September 21, 2000, TigerIT Limited exists to usher in the era of digital identity to the globe by pioneering credible solutions. Under the leadership of Ziaur Rahman, TigerIT Limited has been producing secure, reliable and innovative products tailored to meet the evolving needs of identity and security management. Our vision, "Digital identities for everyone" arises from the belief that, in a world becoming increasingly digitized, Biometric Identity Management is imperative, and that easy and swift accessibility to all information, and its sharing, should be possible beyond barriers, with a guarantee of security. We see governments and private organizations (national and multinational) in South/South-East Asia, Africa and Latin America as the ideal agents through which to establish our biometric market leadership.

We strive to provide high-end technology solutions to complex and demanding problems by using our extensive experience in providing system development, deployment, integration and consulting services for a significant number of large-scale public and private sector projects related to biometric identity management, database management, MIS systems, and e-governance.

Tiger IT is one of the leading software development companies in Bangladesh that has deployed nationwide solutions in Bangladesh, Nepal, Bhutan, India, Cambodia, Afghanistan, Tajikistan, Canada and Nigeria. We have much experience in dealing with huge amounts of sensitive data and in handling the complexities associated with executing large-scale projects.

Our services remain unparalleled with the offering of our state-of-the-art, multimodal biometric identity management solutions. As one of the few companies worldwide to have developed a National Institute of Standards and Technology (NIST) certified Automated Fingerprint Identification System (AFIS), Tiger IT delivers complete identity management solutions that consistently establish a new threshold for management of personal identities. The fingerprint matching and extracting algorithms of TigerAFIS have surpassed all existing benchmarks and is ranked among the top three in the Minutiae Interoperability Exchange (MINEX) test by NIST. Focused on scalability and extensibility, it is ideal for large and very large-scale applications that include, among many others:

- Voter Registration and National ID
- Census Registration and ID
- Machine Readable Passports (MRP) / Electronic Passports
- Travel Documents
- Employee Registration and ID
- Immigration Control
- Biometric Identification from Forensic Evidence / Criminal Investigation
- Restricted Area Law Enforcement

- Driver's License

In addition to that, Tiger IT is also a provider for e-business, MIS solutions, and strategic consulting. We work closely with our clients to design a solution in order to meet their corporate goals and fit their strategic plans.

OUR PRODUCTS

Tiger IT is ISO certified for product development and Quality Assurance (QA). Our various software modules meet necessary international standards, including ISO, ICAO, and NIST standards for photo and biometric capture, fingerprint matching and so on.

TigerAFIS®

Tiger IT Bangladesh Ltd. is a world leader in Automated Fingerprint Identification System technology. Our fingerprint matching and extracting algorithms (TigerAFIS®) have been ranked as number one in the Minutiae Interoperability Exchange (MINEX) test of NIST (National Institute of Standards & Technology).



Report on Minutiae Interoperability Exchange (MINEX) test of NIST (National Institute of Standards & Technology): <http://www.reuters.com/article/pressRelease/idUS172212+03-Nov-2009+PRN20091103>. The TigerAFIS has proven its reliability and performance in several projects and installations. They include the ongoing 'High Security Driving License Project' of the Bangladesh Road and Transport Authority (BRTA), 'Bangladesh Voter Registration System (BVRS)' for Bangladesh Election Commission (BEC), 'Integration of Biometric Features into the Existing Immigration System' for the Department of Immigration of the Royal Government of Bhutan, and the 'Criminal Identification and Verification System (CIVS)' for Dhaka Metropolitan Police.

TigerID Enroll

TigerID Enroll is a comprehensive enrollment application that is based on a service-oriented architecture, leveraging XML technology to perform distributed enrollment and storage capability. The application can be used on desktop PCs as well as handheld devices to conduct registration in remote areas.

It can capture biographical information (demographics) as alphanumeric text keyed-in from paper forms. These alphanumeric texts can be pre-registered over the Internet, or automatically scanned from existing identity documents using OCR/MRZ, ISO and ICAO compliant digital biometric data capture. For biometric data capture, fingerprints (up to 10 fingers using FBI

certified single finger device, dual finger device or four fingers device), face/photo (medium and high-resolution camera support), dual iris, and signature will be included.

TigerID Enroll has been used to register more than 200 million identities from various vendors worldwide.

TIdMC

Tiger IT Identity Management and Credentialing Solution, known as TIdMC, is a modular, end-to-end Card Personalization and Management System that delivers a comprehensive suite of modules with an easy-to-customize workflow and rules engine.

TIdMC is based on Service-Oriented Architecture (SOA). By using web services to implement the SOA, functional building blocks are accessible over standard Internet protocols so that the solution is independent of platforms and programming languages.

FBR Tax Stamp Label Order Management - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.fbrtax.com/

Inventory Summary

Tax Label Rolls in Stock: 14000

Current Deliverables for the Next Three Months:

Month	No of Rolls	Availability
January	5,000	☒
February	7,000	☒
March	3,000	☐

Print Report

Inventory History

Last Updated: 20/03/2013

Date wise Order and Delivery Status

Date range from dd/mm/yyyy to dd/mm/yyyy

Ordered	Authorised	Delievered	Purchased	Packaged	Transit	Distribution Center	Collected
100000	85000	78000	5000	70000	5000	60000	10000

Print Report

Logout Place Order

Done

OUR PROJECTS

This section contains detailed information about TigerIT's ongoing and already finished projects in chronological order:

Datahub and Related Services

Client: NTMC

Time: May 2019

Country: Bangladesh

Description: The scope of Datahub project was to create a platform consisting of national databases (10 databases and 1 static database initially) as turnkey solution to support LEAs and National Agencies and other authorized agencies to access various national data sources for data verification and correlation. The platform will have the functionality of user management/ multi-level user privileges, secure access and audit logging, biometric matching, web browser-based dashboard.

Selection of Service Provider for the Support Service for Data Centre, Disaster Recovery Centre, Personalization Center, Assembly Line, 72 RPOs and Project Management Office

Client: DIP

Time: May 2019

Country: Bangladesh

Description: Tiger IT provided a team for carrying out professional services for the Service Support for Data Centre, Disaster Recovery Centre, Personalization Center, 72 Regional Passport Offices and Project Management Office. The team included support for System Administration and Management of Data Center Systems, Network Devices and Connectivity Operations, Troubleshooting and Configuration, VPN management, ISP communication, Security measures and incident response; support for maintaining Central Database and all RPO/FM database administration, management, backup, troubleshooting, tuning, checking, restore testing, configuration, QUERY audit, reporting, investigation as required by Government

officials; first line maintenance support; operator support for Personalization center, Assembly line and Sorting.; and service personnel like Driver, MLSS, Security Guard, Sweeper, etc.

Upgradation of AFIS and necessary Support Service for Data Center & DRS (Direct Purchase Method)

Client: Bangladesh Election Commission

Time: May 2019

Country: Bangladesh

Description: The scope of project included support, maintenance and up-gradation services for DC AFIS System (Server, LAN switch and Software) and general services like support hotline, onsite support, training and documentation for 3 years and support, maintenance and up-gradation Services for Enterprise AFIS at DRS (Server and Software) for 9 months.

Support Services for BVRS Applications

Client: Bangladesh Election Commission

Time: February 2019

Country: Bangladesh

Description: In 2010, Tiger IT provided the Bangladesh Voter Registration System (BVRS) to the Bangladesh Election Commission (BEC) to collect and store information of 100 million voters in the country. Each voter record consists of the voter's biodata, four fingerprints, photo, and signature. The system was deployed in a central Data Center. The scope of this project included support and maintenance services for voter's registration system comprising voter register software, client software, voter list generator software, identification station software, management information system software, servers, Access Control & Monitoring System and other relevant software for 3 years.

Supply and Installation of 1100 BVRS Client Software License

Client: Bangladesh Election Commission

Time: June 2018

Country: Bangladesh

Description: In 2010, Tiger IT provided the Bangladesh Voter Registration System (BVRS) to the Bangladesh Election Commission (BEC) to collect and store information of 100 million voters in the country. Each voter record consists of the voter's biodata, four fingerprints, photo, and signature. The system was deployed in a central Data Center. The scope of this project was to supply 1100 BVRS Client Software License v52 and warranty support for 3 years.

Procurement of 60 TB Capacity Upgradation of Existing HPE 3PAR 10800 Storage For Data Canter & Disaster Recovery Canter each.

Client: Department of Immigration & Passports (DIP)

Time: November 2018

Country: Bangladesh

Description: Tiger IT provided required Data Center Storage upgradation: 60TB usable capacity upgradation of existing HPE 3PAR 10800 storage for both DC and DR under this project.

Procurement of Myanmar National's Biometric Registration System

Client: Department of Immigration & Passports (DIP)

Time: June 2018

Country: Myanmar

Description: Tiger IT provided solution for enrollment, biometric verification, web-console, mobile as per requirement. Keeping national interest in mind, Tiger IT offered the major portions of the system free of cost – including biometric registration software, web console and database, mobile applications and related IT and logistic support for system deployment.

Procurement of Disaster Recovery for RAB Database

Client: Rapid Action Battalion (RAB)

Time: June 2018

Country: Bangladesh

Description: Tiger IT provided RAB with all necessary servers, switch and storage systems to set up the DRS. Additionally, adequate training and migration of existing system to new system were also implemented

Procurement of RAB Prison Inmate System and RAB AFIS Capability Expansion

Client: Rapid Action Battalion (RAB)

Time: June 2017

Country: Bangladesh

Description: Tiger IT provided biometric and demographic enrolment solution comprising of laptops, enrollment software, dual fingerprint scanners, digital SLR cameras and iris scanners. Enrolment software enabling demographic data, fingerprint, photo and iris capture was supplied along with antivirus protection for all enrollment stations. Tiger IT has also supplied AFIS and Iris Matching Software licenses for 3 million records (1.5 million for DC and 1.5 million for Disaster Recovery System). One-year warranty for all equipment and 5 year support services (bug fixing, patches, updates, bulletins etc.) for supplied solution is included.

Biometric Enrollment and Personalization System for Dual Interface Polycarbonate Motor Driving Licenses in Bangladesh

Client: Bangladesh Road Transport Authority (BRTA), Bangladesh

Time: June 2016

Country: Bangladesh

Description: Tiger IT has provided a comprehensive system for the personalization and issuance of dual-interface, polycarbonate smart driving license cards. Information stored in cards include driver's photograph, biometric information (fingerprints), signature and other details. The information is printed on the card and stored inside an encrypted chip that can be verified and updated by BRTA (Bangladesh Road Transport Authority) officials.

- The key deliverables of this project include,
- Deployment of data entry operators for driver enrollment in BRTA Offices in 64 districts of Bangladesh for the purpose of driving license registration
- Online Learner's Application System
- Online License Application System

- SMS Service (to send notification to card owner for biometric enrollment & card delivery)
- Reporting Dashboard
- Card Packing System (for orderly packaging of personalized driving license cards to ensure efficient distribution)
- Data Migration
- Operations support for driving license card printing, quality control, packaging and shipment to BRTA
- Support and maintenance of hardware and software in use in the project
- All necessary hardware related to supplied solution
- Five years warranty and support of supplied equipment
- Training of 100+ BRTA personnel

Fingerprint Solution & Integration with Immigration Management System

Client: Special Branch, Bangladesh Police

Time: 2016

Country: Bangladesh

Description: The project scope was to supply fingerprint capture and matching solution with required hardware for 140 immigration counters located in 3 international airports and Benapol land port of Bangladesh.

Biometric identity management system for the Department of Civil Registration and Census (DCRC) and the Department of Immigration of Bhutan

Client: Department of Immigration, Ministry of Home and Cultural Affairs, Royal Government of Bhutan

Time: March 2013

Country: Bhutan

Description: Tiger IT provided a system that could hold three million individuals' records at the first stage. In addition to TigerAFIS, Tiger IT provided printing and personalization solutions along with 500,000 identification cards.

Procurement of Criminal Database Extension

Client: Rapid Action Battalion (RAB)

Date: June 2015

Country: Bangladesh

Description: Under the scope of this project TigerIT provided a comprehensive solution including a high-end biometrics enrollment solution and supplied 70 (seventy) Criminal Enrolment Workstation, Dual Fingerprint Scanner, Digital SLR Camera, IRIS Scanner, Flatbed scanner and Virus detection software.

Supply, Installation, Maintenance of Disaster Recovery System

Client: Bangladesh Election Commission

Date: July 2014

Country: Bangladesh

Description: Under the scope of this project TigerIT has added half rack of Exadata to the Disaster Recovery System of the Voter Registration System of the Election Commission of Bangladesh. The scope of implementation also included supply of related backup hardware, implementation of Oracle RDMBS with a number of advanced options, and supply and installation of additional application servers for the disaster recovery system which will ensure the same level of performance, reliability and security as that of the existing Data Center.

Supply, Installation and Maintenance of AFIS System for Disaster Recovery System

Client: Bangladesh Election Commission

Date: December 2014

Country: Bangladesh

Description: Tiger IT provided its NIST certified AFIS-TigerAFIS for Bangladesh Election Commission's Disaster Recovery System. Tiger IT also provided all required hardware, software and training required for the system.

Nepal Voter Registration System Development and Service

Client: United Nations Development Program (UNDP), Nepal

Date: July 2013

Country: Nepal

Description: TigerIT supplied and installed all required software and hardware for Nepal's national voter registry, which comprises central, district and ward level applications. The system retained the records of approximately 11 million voters in Nepal.

Key features of this project were:

- Built in support for offline modes for locations with intermittent or no internet connections.
- Voter registration with biometric and demographic data capture, secure data exchange mechanisms, strict access control system and thorough audit trails.
- Secured and reliable sharing of data.
- Designed for high-availability, automatic fail-over and scalability for a national system

Biometric Identity Management System

Client: Ministry of Home and Cultural Affairs, Bhutan

Date: March 2013

Country: Bhutan

Description: Tiger IT has implemented a biometric identity management system using its core solution TigerAFIS (Tiger Automated Fingerprint Identity System) for the Department of Civil Registration and Census (DCRC) and the Department of Immigration. The same biometric system backbone will be used in other government agencies as well. TigerIT is providing TigerAFIS and biometric capture modules (photo, fingerprints), printing facilities and personalization solutions with 500,000 identification cards.

Procurement and Development of Criminal Identification and Verification System (CIVS) Software for DMP

Client: UNDP

Date: September 2012

Country: Bangladesh

Description: It was assumed that the existing workstations at each of the 58 locations will be used for enrolment. The workstations are responsible for capturing demographic and biometrics information of the person. Before registering a detainee, the DMP staff will be able to verify if the person is already enrolled in the system or not by doing a fingerprint match. Initially upon registration, the data will be stored locally. We support both online and offline modes. For offline modes, we can export the data into external USB devices in encrypted format. The data will then be transferred from the USB devices to the central database. If there is connectivity our solution can synchronize with the central database continuously or at regular intervals. When connectivity is down, the system can detect when it is up again and connect to the central database accordingly. During enrollment if connectivity is down, the DMP staff can enter the data into the system and later when the connectivity is established it can do a deduplication to determine if the person already exists in the system or not.

The scope of work includes the following:

- Data migration from existing system to new system
- Enrolment application for capturing demographic and biometric data
- AFIS matching system
- Database system
- Installation of all software and hardware
- Training on operation of the entire system
- Online UPS for Servers

Identity & Access Management Project

Client: Robi (An Axiata Telecom Company)

Date: September 2012

Country: Bangladesh

Description: The project scope was to solve Robi's IDM requirements and implement a new identity management system using the Oracle Identity Management (IdM) Suite of products and improve the efficiency and effectiveness of security architecture at ROBI.

The targets included:

- Provide assistance and input on the deployment strategy by sharing best practices and past experiences.
- Exploit Oracle and TigerIT technology with actual hands-on experience to demonstrate that our products are being used in the effective way.
- Offer an approach and outlook that is unique to the nature of each of the projects.
- Provide product strategy and long term plans of our IdM offerings roadmap and direction so that our organizations are in sync.
- Provide Oracle and TigerIT endorsement on the product usage, architecture and development; these to name a few.
- Leverage the SAP ERP/HR investment that ROBI is heavily reliant upon, through a strong Business + Technical integration between Oracle Identity Management & SAP Enterprise Applications.
- Enabling true Identity Management combining Physical & Logical Access Control. Identifying the person, supplier contractor as he enters the door down to every system all the while keeping the balance of security and usability.
- A deployment that will not overwhelm and immediately replace legacy systems but will work in parallel, respect the existing deployment and complement ROBI's environment every step of the way.
- Unique Partnership of Oracle & TigerIT to combine the specialty of Oracle Identity Management Specialists & TigerIT domain security expertise which is the core prerequisite to a successful identity and access management implementation.

Rashtriya Swasthya Bima Yojana (RSBY)

Client: Ministry of Labor, India

Date: May 2012

Country: India

Description: RSBY (Rashtriya Swasthya Bima Yojana) is a free health insurance scheme launched by the Ministry of Labor and Employment, India in collaboration with German Development Cooperation (GIZ). It provides cashless insurance for hospitalization in public as well as private hospitals. Every family below the poverty line (BPL) gets a biometric based smart card, which contains their photograph and fingerprint that enables them to receive medical care under this scheme. Since RSBY is based on biometric technology, the fingerprint of the beneficiary needs to be captured and also matched at the time of utilization. TigerIT provided the TigerAFIS SDK for fingerprint matching for this project. The SDK was used for conversion of captured fingerprint images to MINEX compliant templates.

The scope of the work covers the following:

- TigerAFIS SDK for MINEX matching along with necessary DLL
- Provide an application for conversion of captured fingerprint image to a MINEX compliant template
- Support National Informatics Center (NIC) in testing the device for interoperability
- Provide support to various integrators developing enrollment and transaction software for the RSBY project
- Maintenance and support

Supply and Implementation of an Enterprise Wide Data Warehouse

Client: TelenorBangladesh(Grameenphone Ltd.)

Date: Feb 2012

Country: Bangladesh

Description: The Data Warehouse implementation for Grameenphone is focused on ten (10) subject areas and the building of critical KPIs and analytics associated with them. TigerIT is working in collaboration with Oracle for this project. The key areas that are to be implemented in several phases are as below:

- Installation & Set-Up of EXADATA
- Installation & setup of Backup & recovery solution
- Application Design
- Overall Solution Design
- Testing Plans / Strategy
- Installation & Set-Up of OCDM components
- Requirements analysis
- Requirements sign-off
- Data Loading design
- Design sign-off
- ETL & Reports Development
- Provide Test data
- Load Test data

Supply, Installation, and Commissioning of High Security Driving License Card, Enrolment System, Register System, Personalization System with Related Logistics, Services, and Training on Turn-Key Basis

Client: Bangladesh Road Transport Authority

Date: April 2011

Country: Bangladesh

Description: BRTA is using TigerIT's solution that records a driver's photograph, fingerprints, signature, among other details and stores them in a highly secure and rugged smart card. The information is printed on the card and stored inside an encrypted chip that can be verified and updated by BRTA officials. The card itself has multiple security printing techniques, some of which are visible to naked eye while others require specific instruments to check. BRTA estimates over 200,000 smart card based driving licenses will be issued using TigerIT's solution every year. TigerIT has delivered the complete solution that includes biometric enrollment/registration, centralized database, application processing and issuance automation module, AFIS for de-duplication, card printing and inventory management, and driver verification service.

The scope of work includes the following:

- Alpha-numeric and Biometrics Enrollment in 64 locations (up to 20,000 registrations per month)
- Application processing and workflow automation for card issuance
- Relational Database Management System
- AFIS for 5 million records (4 fingers each)
- Card Printing, QC, and Inventory Management (over 200,000 card issuance per year)
- Driver Verification from Smart Card (on PC and handheld devices)
- Various Web Service interfaces, including online pre-enrollment in second phase
- Five years Maintenance with installation, operation and commissioning of the software

Multimodal Biometric Project for Criminal Database

Client: Bangladesh Rapid Action Battalion (RAB)

Date: June 2011

Country: Bangladesh

Description: This solution uses both fingerprint and iris matching to perform deduplication. Biometrics enrollment and fully functional Data Matching, Fingerprint Matching, and Iris Matching solution is a major focus of the project. Apart from migration, TigerIT is developing and incorporating a multi-biometric module to integrate with the existing RAB Criminal Database developed from IBM Lotus Note Domino Server to Oracle 11g Enterprise Edition. Through this

module new/old criminal information will be inserted, updated, deleted and identified along with the biometric features. Furthermore, the developed solution will also incorporate a multi-biometric module to capture information into the RAB Criminal database. 20 remote locations will be used and support for 200,000 criminal records will be provided.

- Project has a high-end biometrics enrollment solution to be used in 20 different locations
- Secure online and offline data transfer from enrollment site to datacenter
- Development and Migration of Relational Database Management System
- The AFIS system should support at least 200,000 citizen records for 1:N matching
- Customized Query, Work Flow Automation, Report Generation\
- Training of RAB officials
- On-site support for 36 months
- First biometric identity management solution in the history of Bangladesh to integrate fingerprint and iris matching in one project.

Supply, Installation, and Commissioning of Voters Registration System of Bangladesh Election Commission with Related Logistics, Services, Civil & Electrical Works and Training on Turnkey Basis

Date: October 2010

Country: Bangladesh

Description: The Voters Register System consists of a Data Center, a Disaster Recovery System and over 600 remote locations throughout Bangladesh. It comprises all the hardware, middleware, application software, infrastructure, interfaces and services to provide a turnkey solution. The Voters Register will store 100 million voters with their bio data, photo, 4 fingerprints and signature. BEC wanted an integrated online solution connecting all remote locations to the central system. The BEC wanted to acquire hardware and solution that is fully compliant with the principles of service oriented architecture.

The scope of work includes the following:

- Central Voters Register Software
- Relational Database Management System
- Disaster Recovery System
- Voter Register Client Software license
- Ident Station Software license
- Management Information Software
- Voters List Generator Software

- Database Servers for Data Center and Disaster Recovery System
- Data Storage for Data Center and Disaster Recovery System
- Printers to Print Voters Lists
- Management Information Stations
- Administration Stations
- Enroll Station Peripherals
- Identification Station peripherals
- Training of all central staff
- Installation, commissioning and operation of the Voter Register System including all necessary works for infrastructural development/set up (electrical, civil etc works/services)
- Various Web Service interfaces
- Provide onsite maintenance for 1 year
- Five years Maintenance/Installation, operation and commissioning of the software

Security Printing, Supply and Delivery, Installation of Equipment and Preparation of Machine Readable Passports

Client: Ministry of Foreign Affairs, Government of Nepal

Date: 2010

Country: Nepal

Description: TigerIT is working in collaboration with Oberthur Technologies in the Machine Readable Passport (MRP) project for the Government of Nepal. TigerIT is providing the software solution for capturing data into the system with ICR. TigerIT provided a solution capable of printing issuing 4000 passports per day.

The MRP personalization center has a number of transaction points. These are as follows:

- ICR form receiving point
- ICR form scanning stations
- Dual data entry/edit stations
- Foreign missions stations
- Data verification stations
- Personalization stations
- QA Stations
- MRP handover point

The ICR forms are collected in a batch and scanned using the document scanners. During the scan the software will separate the text, signature and photo, maintaining good resolution of the photograph and the signature so that they can be used for personalization of the MRP. The form image will also be scanned for the data entry/edit station operators to use. Other features of the project are similar to the ones described previously.

Supply, Installation, and Commissioning of Automated Fingerprint Identification System (AFIS) with Datacenter Hardware and Related De-Duplication Service for the Current Database of Bangladesh Election Commission (BEC) with Training on Turn-Key Basis

Client: Bangladesh Election Commission

Date: June 2010

Country: Bangladesh

Description: A clean de-duplicated database that eliminates fake voter registrations was the main purpose of the project. This tender was issued by PERP (Preparation of Electoral Roll with Photographs) project under the Election Commission Secretariat. PERP had hired international biometric experts as consultants for the preparation of the tender specifications and evaluation of the proposals. Stringent requirements were set to ensure that only the most qualified vendor wins the project. Prior to the award of the contract a validation test of the AFIS was also performed for the eligible vendors.

After a competitive evaluation, TigerIT Bangladesh Ltd. was awarded the contract in June 2010 as the most eligible vendor. TigerIT has successfully delivered the AFIS capable of de-duplicating 100 million records with all necessary data center hardware. The deduplication is now underway, working at present with 110 million records. (Each record in the project has 4 fingers.)

- 50 AFIS Matching Cluster Servers
- 2 x Quad-Core Intel Xeon Processor
- 24 GB DDR3, 1333MHz RAM
- 2 x 146 GB SAS, 15K hot-plug hard drives, Min upgrade to 8 HDD
- Linux 64 bit OS, Java runtime 64 bit, Oracle 11g
- Delivery timeframe: 32 weeks

Cleansing and Migration of Electoral Database of Bangladesh Election Commission

Client: UNDP, Bangladesh

Date: May 2010

Country: Bangladesh

Description: The United Nations Development Program (UNDP) in Bangladesh engaged TigerIT in order to perform services in respect of “Cleansing and Migration of Electoral Database of Bangladesh Election Commission.”

The scope of work included the following:

Database migration to Oracle

- Installation of hardware/software/storage required for migration
- Back up of all migrated data on other backup devices
- Provide quality validation of migrated data
- Ensure data is not corrupted during migration
- Transfer of knowledge to BEC personnel, in terms of training, documentation, and any other preferred method by BEC

Data cleansing

- Prepare a validated cleansing plan
- Identify data to be cleaned
- Transliterate Bengali data to English
- Design validation scripts to validate the clean data
- 99% of identifiable unclean data should be cleaned
- Ensure appropriate infrastructure and resources are used for this operation

Application revamp

- Porting existing application to new platform
- Change the application platform from PHP to Java to support new features
- Addition and change in business logic as per requirements of BEC
- Addition of new features

Extension of reporting features

- Implement a general purpose reporting tool that will help the EC generate their own reports on demand
- New reports with extended summary features

Secure API

- Secure API for other government agencies to access necessary data
- This application will allow other government agencies to manually and securely login into some server and access the data

Biometric Identification Solution for Family ID

Client: Safe Family ID Solutions, Canada

Date: 2009

Country: Canada

Description: The software, used to create biometric identification packages, had the following features:

- Two versions - one for in-office and one for home use by clients; both versions were similar yet provide different functionality. The two versions need to work together to pass information back and forth.
- Security - password protection and encryption for sensitive information storage.
- Extremely user-friendly.
- Capture digital fingerprint and digital photos and combine these seamlessly with vital descriptive information, making information ready to be printed or stored on digital media.
- Flexibility to accommodate several different scenarios, yet maintain the extremely user-friendly requirement.
- TigerIT was able to meet the entire requirements for the project and also shared suggestions that either solved an issue or improved the client's software.

Biometric Enrollment and Identification

Client: Nigerian Army

Date: October 2009

Country: Nigeria

Description: TigerIT provided a complete enrollment and identification solution. It included a centralized identity management solution and AFIS for registering all personnel in the Nigerian Army.

Our services included the following:

- Overall system architecture design, development, and integration
- Fully Functional AFIS
- Server and software installation and support
- Training, documentation, and support (including onsite as needed)
- Delivery timeframe: 2 weeks

Biometric Identification System for ASIT Banking Project

Client: American System Infotech

Date: Oct 2009

Country: Afghanistan

Description: TigerIT provided AFIS to prevent multiple enrollments in the bank authentication system and to facilitate safe and secure banking. It ensures a safety banking system for all account holders through verification of their fingerprints.

- Linux 64 bit, Java runtime 64 bit, Oracle database
- Dual Quad Core Servers, 2.8 GHz Processors, 16 GB RAM

National ID and Voter Registration Project

Client: Bangladesh Election Commission

Date: 2008

Country: Bangladesh

Description: TigerIT developed the complete software solution for the national ID and voter registration project for the general election of Bangladesh in 2008. The project was undertaken by the Bangladesh Election Commission in collaboration with the Bangladesh Army. The 2008 election marked a new milestone in the history of Bangladesh's democracy with a turnout of over 80% voters. It was the first time that the citizens of Bangladesh used national ID cards with photographs. Over 80 million people and 320 million fingerprints were enrolled in 11 months. It involved more than 20,000 personnel, 500 ID management servers developed by TigerIT, and over 8,000 laptop computers equipped with TigerIT enrollment software. In effect, this project has eliminated 12.7 million fake voters.

- Produces ISO 19794-2 standards-based fingerprint templates (primarily used for verification or 1:1 matching)
- Supports storage of fingerprint image data in BMP, RAW and WSQ compressed file format along with proprietary fingerprint templates for submission to the server fingerprint technology for processing (primarily used for identification or 1:n matching)
- It has the ability to capture multiple fingerprint image samples from each finger and ensure all samples have sufficient quality and match one another
- Ensures that fingerprint images are captured with acceptable contrast ratios, sufficient ridge quality and include the detection and prevention of the placement of fingertips on the sensor (as opposed to fingerprint pads)
- Supports a variety of fingerprint sensor technologies including interoperability between many sensor types and manufacturers
- Supports for multiple database platforms as well as flat file data structures, including ODBC and XML
- Live feedback to operator instructing on placement and movement of fingers
- Card Management Server & Card Issuance Features:
- All completed data are exported to the card management servers from the enrollment stations for proof checking.
- Once the above is completed then the voter roll, card distribution list and ID cards are issued. The ID card is printed using a laser printer and then sealed using a transparent laminating pouch. ISO fingerprint template is embedded into a 2D barcode printed on the ID card that can be read later using a 2D barcode scanner and compared against live scan fingerprint templates captured at time of verification.
- In addition to that PKI hash can be added in the barcode as an additional measure to ensure data integrity.
- TigerIT's solution can be deployed in a wide variety of applications, including:
- National ID/Citizen Card. immigration, voting, asylum, citizen benefits/rights, citizen identification, driver's license, criminal investigation, e-passport and others.

CERTIFICATIONS FOR STANDARDS



AWARDS

Red Herring Global Awards 2013

Tiger IT Bangladesh Ltd. recently won the Red Herring 2013 Top 100 Global award, a prestigious recognition honoring the year's most promising technology companies and entrepreneurs from across the globe. The award was presented at the Red Herring Global forum in Los Angeles, California on November 20, 2013.



Tiger IT is the first Bangladeshi company to have won a Red Herring Global award. Previous Red Herring winners include global giants like Facebook, Google, Yahoo, Skype, eBay, Salesforce and many of the NASDAQ listed companies.

The Red Herring editorial team selected the companies demonstrating the most innovative technologies and business models. These companies, representing past Red Herring Asia, Europe and North America awards, are judged on a range of qualitative and quantitative metrics, which included, but were not limited to, technology innovation, financial performance, growth criterion, management's execution standards, potential globalization of the strategy and market share improvement.

Red Herring Top 100 Asia Awards 2013

The Red Herring award is widely recognized as one of the industry's most prestigious recognitions, with up to 1,400 candidates from each continent competing every year. The winning company passes through a 3-stage rigorous selection process to achieve the recognition, given separately in Asia, Europe and the Americas. The Red Herring Top 100 Awards highlight the exciting startups of the year and is regarded as one of the powerful tools for discovering and advocating the most promising private ventures from around the world.



STRATEGIC PARTNERS

In the twenty and more years since its beginning, Tiger IT has unfailingly ensured supreme performance and quality standards from partnerships with extremely sought-after global companies in the horizontal industry, including Oracle, Crossmatch Technologies, etc. Our steadfast rapport with these companies have helped us to deliver to our clients significant cost-benefits while guaranteeing the best solution from every platform being packaged in one deal.

Tiger IT Team

Tiger IT currently has around 230 employees working at different capacities in its many projects. Of our 488 employees, more than 60% are programmers, 20% are non-technical or administrative staff, and 20% staff is working for our own projects as Data Entry Operators and Managers. We are an equal opportunity employer. We value employees' rights, and treat all existing and potential employees equally, irrespective of their race, religion, age, and gender.

We have highly skilled professional developers as well as international experts and consultants dedicated to biometric research. Our senior technical members of staff have years of experience, advanced degrees and even patents to their credit, and our programmers can boast of having, on an average, above par specialization and advanced levels of skills in most Operating Systems and Programming Languages. They are well-versed in the following:

- Oracle, Microsoft SQL, PostgreSQL, Sybase, Informix, MySQL, Access, Visual FoxPro

- Microsoft .NET Framework, Visual Basic, C++, Java, Java Servlets
- HTML, XML/XSL, ASP, JSP, JavaScript, Perl/CGI, PHP
- Web Sphere, Web Logics
- Developer 2000
- RealMedia, Windows Media
- Windows NT, Windows 2000, Unix, Linux

By seeking to hire individuals who are dynamic, innovative, dedicated, and motivated, and have great communication and interpersonal skills, we aim to ensure our clients receive the best possible service. We recruit employees from the top 2% of graduating classes of top universities in the country and encourage them to exercise their potential. We require a minimum of 4 years Bachelor's degree for technical personnel, with exceptions being made only for the prodigious few. Once employed by Tiger IT, our staff's technical education is supplemented with software certification programs to hone their skills and bring them up to speed on the latest advances in technology. Employees are nurtured and guided by the CEO, CFO and the various heads and leads of their respective departments.

Work Culture

Tiger IT has a 24/7 development cycle. Programmers keep working on a project night and day. Every single project development is being pursued using a feed forward communication approach with clients for any assigned task. Here, Project managers play a vital role in ensuring the interests of the stakeholders. Our programmers place great value on creating long-term relationships, and achieve this through open communication and the highest level of customer care. Consequently, we can deliver complex solutions within the shortest possible period.