



Capabilities Statement

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Company Overview

Forward Technologies Inc. (FTi) is a woman owned company that has been in existence since 1989 providing diversified services and solutions in various areas in both Civilian and Defense markets, which has spanned Information Technology, Facilities Management, Project and Program Management as well Language Translational and Middle Eastern Cultural Analysis services.

FTi has been a pioneer in the development of cutting edge networking technologies as well development of Internet Based application since the early days of the web. FTi's has been focused on Defense market over the past 4 years. With extensive knowledge and experience in Middle Eastern Languages and affairs, and with personnel authorized to perform work for defense or other government agencies, FTI is ideally situated to provide diversified services to Federal government and Defense market.

General Information

Registered Name:	Forward Technologies Inc.
Email Contact:	info@forwardtechnologiesinc.com
Web Site:	www.forwardtechnologiesinc.com
D-U-N-S Number:	607087780
EIN Number:	11-299-0534
CAGE Code:	56KG5

Business Information

Year Incorporated:	1989
State of Incorporation:	New York
SBA Status:	Women Owned
Number of Employees/Consultants:	8
Number of Years in Business:	19

Locations

FTI has offices in the US and aboard. The US offices and head quarters are located at the following address.

Address:	27 Chestnut Lane, Woodbury, NY 11797
Office Phone Number:	+1 (516) 620-0964
Office Fax:	+1 (484) 288-4231
Email:	info@forwardtechnologiesinc.com

Key Contacts

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VP of Operations

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Mission Statement

Forward Technologies Inc. believes in innovation through technology and strength through diversity. FTi is committed to the application of the right technology for the right solution. FTi 's mission is to provide Best of Breed solutions and services to allow its customer move their business and vision **FORWARD.**

Qualification Summary

- Diversified Service Civilian Contractor – Providing turnkey solutions in the Information Technologies Since 1989
- Current/Past Civilian Customers include Case Communications, Dowty Corporation, Cray Communications, Netrix, Telematics Inc., Timeplex Inc., Register.com Inc. RichFX, Inc., ZOI Interactive Technologies, Zoran Corporation, Xero Inc., Century Telephone, Taconic Telephone, Warwick Valley Telephone
- Diversified Service Government Contractor, focusing on IT services, Cultural Analysis as well as Middle Eastern Language translation services. Current/Past Government Customers include Army DCGS-A Project, MDA
- Current/Past Government Prime Contractors alliances include Phacil Inc., Millenium, AMPS Strategies Inc. and Wise Web Connections

NAICS, SIC Codes

- 511210 Software Publishers
- 517110 Wired Telecommunications Carriers
- 517210 Cable and Other Subscription Programming
- 517919 All Other Telecommunications
- 518210 Data Processing, Hosting, and Related Services
- 519130 Internet Publishing and Broadcasting and Web Search Portals
- 541330 Engineering Service
- 541511 Custom Computer Programming Services
- 541512 Computer Systems Design Services
- 541513 Computer Facilities Management Services
- 541519 Other Computer Related Services
- 541712 Research and Development
- 541930 Translation and Interpretation Services
- 561210 Facilities Support Services
- 611420 Computer Training

Company Capabilities

Introduction

Forward Technologies Inc. (FTi) is a woman owned company that has been in existence since 1989 providing diversified services and solutions in both Civilian and Defense markets, which has spanned Information Technology, Facilities Management, Project and Program Management as well Language Translational and Middle Eastern Cultural Analysis services.

FTi has been a pioneer in the development of cutting edge networking technologies as well development of Internet Based application since the early days of the web. The development of easy to use Do It Yourself side building application of WebSiteNOW™ by FTi's founder is among major achievements. FTi has been providing support and maintenance services for WebSiteNOW™ to a leading internet domain name provider for the past 5 years.

FTi's expanded its operation since 2004 to include the Federal Government and Defense markets. Extensive knowledge and background in IT, Middle Eastern Languages, cultures and affairs, and the personnel authorized to perform work for defense or other government agencies., FTi is ideally situated to provide diversified services to Federal government and Defense market. FTi key personal are fluent in Turkish and Arabic and well being well immersed in the prospective cultures.

Cultural Analysis and Translation

FTi's founders and owners are naturalized citizens that have extensive expertise and exposure to Middle Eastern Cultures and Languages. The founders' social network include, trust worthy, naturalized, multi-lingual individuals that are ideally situated for providing cultural analysis, translational services, for intelligence gathering and analysis that has become invaluable for national defense, home land security and private enterprise security. FTi provides cultural analysis and language translation services for Federal Government, Defense Market and large multi-national enterprises.

Cultural Analysis

FTi employee and/or consultants which are multi-lingual and multi-cultural background monitors day-to-day TV, Radio broadcast, print and web based publications, blogs, communications, RSS and other publically available data feeds in Arabic and Turkish. FTi develops data gathering, fusion and mining software application and systems that allow Cultural, Business and Political actives in Turkey and Middle East. FTi develops customized reports targeted for business and/or intelligence requirement of a customer. FTi skilled Linguistic and Cultural Professionals collaborate with IT professionals to maximize information value of the gathered data, which includes video, text, photo data acquired across various platforms and streams.

Translation Services

The true-to-meaning translation is essential for disseminating the true and intended nature of a given conversation. Most of the time, academic and literal translation of a language misses the

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nuances and meaning imbedded in a foreign language. FTi's multi-cultural and multi-lingual skilled professionals, can bridge the communication gap in translation based on long term and on-going immersion of multiple cultures and languages that they are exposed to.

FTi provides written as well as oral transcripts for translation to and from the following languages:

- Turkish <-> English
- Arabic <-> English

FTi's translation services are not only on a transcript based, they can also be based on in-person, impromptu translation services that can be invoked on demand.

IT and Engineering Services

Forward Technologies Inc. (FTi) has been a pioneer in the area of Information Technologies for the past 20 years. Since its early days, FTi has been focused on the development of leading telecommunications equipment, customer software application and solutions, research and development on emerging technologies and all other areas of information technologies that require complex solutions and high skill engineering professionals. FTi is in a very unique position to leverage extensive experience, expertise and knowhow acquired in Civilian markets in Federal and Defense Market applications. By employing and contracting an outstanding group of skilled professionals, with immediate access to a large number of proven experts, FTi offers agile and flexible solutions to meeting complex, demanding problems in a timely, efficient, professional and cost-effective manner.

FTi is committed to the development of Best-of-Breed IT solutions in all areas of its engagement. Fully immersed in emerging standards such as Service Oriented Architecture, Cloud Computing, Grid Networks, Virtualization and many other cutting edge technical initiatives, FTi designs, engineers and implements turnkey solutions to maximize efficiency of operation and competitive advantage as well as reducing Total Cost of Ownership (TCO) for its customers.

FTi with its highly skilled professional staff, can provide end-to-end solution to all IT problems. Starting from requirements gathering, FTi provides services that include development of functional specifications, project planning and costing, development, integration, quality assurance, roll-out planning and management as well as continued engineering and support of all IT related projects.

Architecture and Software Research & Development

FTi has been involved in the architecture of high scale, high performance, real-time, large scale, highly available systems which have been deployed in Civilian and Defense Markets. The pioneering work which FTi's has been involved in includes, the first Synchronous Packet Assembler/Disassembler (PAD) for the tri-services (Army, Navy, Air Force) as well as the architecting and development of one of the earliest Do-it-Yourself Website Publishing tools WebSiteNOW™ which has been used by over 6 million users.

One of many exciting endeavors that FTi has been involved in is from ground-up re-architecting of a leading domain name registrar with revenues over \$120M. This multi year project included architecting of system, networking and custom software solutions as well as integration of off-the-shelf enterprise CRM and ERP solutions. FTi's personnel was also responsible for overseeing the migration of 10M+ domains and 2M+ users to a newly developed infrastructure without any

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downtime, loss of operation and revenue, which is akin to changing the tire of a car while travelling 100mph.

FTi's expansion into Defense Market has commenced with a research and development project for Army's DCGS-A project. Research on advanced visualization system and software development based on XML User Interface (XUL), pedantic relationship definitions; RDF was the focus of study for the research performed for the Army's DCGS-A project.

FTi provides services that include architecture, system and network design; software research and development services based on both Windows .NET, ASP, Visual Basic as well as SUN Java J2EE, EJB, JSP Hibernate and UNIX/LINUX platforms

Software Development and Programming

FTi's highly skilled professionals are well versed in both Java and Microsoft Windows based technology frameworks. As a Microsoft Business Partner, FTi has access to leading Microsoft technology, business solutions, .NET framework as well as many other Microsoft initiatives. An advanced Microsoft Research and Development laboratory that FTi maintains is provides a fertile playground for skilled professionals to sharpen their skills and experience on various Microsoft solutions, which among other things, include, all Windows Operating Systems (XP, Vista, Server 2003, Server 2008, etc.), Office Suite, SharePoint, Microsoft Map Point, Exchange Server, Microsoft Project Server, Microsoft Small Business Servers, Microsoft SQL Database.

FTi has adopted an agnostic strategy to the Technology war between Windows and UNIX. In addition to an extensive, Microsoft laboratory, FTi has also deployed a complete set of UNIX/LINUX laboratory with various version of SUN Solaris and Linux operating system deployed.

FTi's skilled professionals are well versed in both legacy programming languages such as Assembly Languages (Z-80 Family, 68K Family, Intel X68 Family), C/C++, Visual Basic, Fortran as well as contemporary programming languages such as Perl, Java, Java Scripting, Flash Action Scripting, .NET, PHP, Ruby on Rail, XML, SQL (Plus, PL/SQL, T-SQL Forms and Loader), JDBC, ODBC, . FTi's also has expertise development tools such as Visual Developer Studio, Eclipse, JBuilder, WebSphere Studio, TOAD, EMS SQL Manager, Adobe CS3, SVN, CVS, Visual SourceSafe, ClearCase, Model Driven Architecture tools, Rational Unified Process (RUP), UML and XML tools.

Web Content Engineering

FTi provides services in the area of web content development, which includes HTML, DHTML, Java Scripting, AJAX, Flash, Action Scripting, Spring, Struts, Java Faces, JSP, ASP, .NET, CGI, etc. In addition, graphics art development, web page design services are also provided. The graphic designers employed or contracted by FTi can provide state of the art usability as well as esthetically appealing web presence for all web-based systems.

Design and Systems

FTi offers its customers services that include design, acquisition, implementation, integration, deployment, operation, maintenance and continued engineering of systems in telecommunications, internet services, web-based presence and many other IT applications. FTi's extensive experience includes design and deployment of VoIP/Next Generation Telephony, Open Source Asterisks PBX and Telephony System, Wireless, Packet and Circuit Switched data/voice network, system and software, implementation of large scale web based application and websites.

Network Infrastructure

FTi provides services that include and design and deployment of Internet, Intranet, Enterprise corporate networks that are targeted from a small enterprise to an ISP. Century Telephone network ISP network implementation, implementation for network that supported a large domain registrars operations and services, planning and implementation of a scalable network for a Social Networking site are among the examples of project FTi has been involved in.

FTi specializes in both Network implementation and Management, including specification, procurement, and installation and testing of network equipment as well as operation, administration, training help desk and desktop support of such networks. FTi's expertise also include specification and deployment of network backbone elements that includes routers, bridges, firewalls, switches, gateways, hubs, cable/fiber networking, TDM, Stat-MUX, DSU/SCU, Channel Banks.

Web-Based Internet Solutions

FTi demonstrates extensive expertise in the development scalable web-based internet solutions, ranging from a small enterprise site, to a large scale e-commerce application websites. In addition to development of web-based solution, FTi provides both UNIX/LINUX as well as Windows based system and network administration, Role Based security management systems, SecureID implementation. FTi also provides services in the design, implementation, testing and deployment of any client-server and/or peer-to-peer applications running on Windows, UNIX/LINUX, Oracle Application Server, Oracle Portal, BEA WebLogic, IBM WebSphere, Microsoft SharePoint, ATG Dynamo, IBM's eBusiness Suite, BitTorrent.

Database Services

FTi provides full range of database management services, which among other things includes database management, data architecture, data mining, data warehousing and business intelligence. FTi services span Oracle, MySQL, PostgreSQL, Informix, Sybase, Paradox, MS-SQL, MS Access, IBM DB2 on both Windows and UNIX/LINUX platforms.

In addition, FTi's services also include the use of data mining, ETL and OLAP tools such as Veritas, Quest Software Database Management tools, Oracle RAC, and distributed vertical database parallel processing systems. Development of executive dashboards that provide mission critical business intelligence is also among the extensive expertise that FTi's highly skilled professional's display.

The data architecture, definition of business objects and normalization of the data schema and infrastructure has become extremely critical and valuable for all enterprises. FTi provides services that streamline and optimizes the data architecture of systems and applications that allows for optimum transactional as well as data warehousing/business intelligence performance.

Embedded System Expertise

Embedded system development is among the most complex and high skill demanding aspect of all system programming and application practices. FTi's extensive, proven and state-of-the art experience in the development of embedded systems represent a rare and valuable commodity among all programming skills. FTi services included development of Assembly Language Based or 3GL based, i.e. C/C++, Fortran etc. based, low level real-time hardware control substructures,

drivers, communication chip drivers, DMA drivers, Digital Signal Processors (DSP) for all enclosed systems. The development, debugging, testing, deployment and maintenance of end-to-end user interface and application on an embedded system has been a common prevue for FTi's highly skilled professionals.

Technical Due-Diligence and Analysis Services

FTi's extensive technical knowledge and background has been tested on many occasions by various projects that called on FTi to provide objective, accurate, and timely and evaluation of complex systems, software over many years of operations. Past experience in the commercial applications has been in supporting of M&A activities as well as providing a development and technology roadmap for IT vision for various companies has been part of the services that FTi has provided. Evaluation of many partners for a major domain registrar, developing business as well as technical strategies for a Rich Media content provider, or providing full-scale technology IT guidance to an emerging social network site are example of such services by FTi.

FTi's past experience in the Defense Market, include the study and analysis of the BEA PlumbTree portal deployment and recommendations on improvements for infrastructure, database, maintenance and overall administration of the MDA portal that servers major branches of the federal government.

Project Management

FTi's PMI certified Project Management Professionals (PMP), provide proven project methodologies to all services provided by FTi. The traditional waterfall Software Development Lifecycle (SDLC) as well as more contemporary Agile Project Management paradigm has been used by FTi for various projects.

FTi's project management skills are best reflected in planning, managing and implementation of a project plan that foresaw the migration of 350,000 e-mail users from one vendor to another for a leading domain registrar. The project was implemented under tremendous of financial as well as technical constraints. The loosing vendor was under a time crunch due to a deteriorating financial situation where failure would have meant an undetermined outage period for all e-mail clients. FTi's skilled PMPs were successful in migrating large number of clients, without downtime, in a seamless manner, on time and on budget, without any loss of data from one vendor to another over different continents.

Security and Intelligence Program Services

FTi's works up to the Top Security Clearance level in the Information Security field. FTi is committed to establishment of secure infrastructure as well as secure system for agencies to protect vital, sensitive and classified information for all projects and missions that FTi is involved in.

Human Resources (HR) Support

FTi's demonstrates extensive expertise in Personnel Recruitment that is based on commercial best practices for HR management and policies which has been augmented with security and clearance requirements mandated by the Federal Government and Defense Market. FTi is keenly aware of the fact that one of the most important assets of any enterprise is its work force. Dedicate and motivated work force is a major determining factor for the success of any enterprise. Therefore, FTi

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is committed to highest standards and practices in recruitment, screening, classification, evaluation, placement of all human resource assets. FTi provides continued education, training, comprehensive benefits, time/attendance and efficiency support, performance monitoring and management, organization structure planning/metrics, payroll and finance, labor management partnering based on industry best practices and applicable laws.

Management Team



Michael Islek
President and CEO – Founder

Mr. Islek is a successful engineer and IT systems executive, specializing in the internet and telecommunications industries. Since 1989, Mr. Islek has been the founder and CEO of Forward Technologies Inc. (FTi) a research and development Software Company specializing in turnkey solutions. As an entrepreneur of 20 years, Mr. Islek has built and sold many companies including: Inabox, acquired by Register.com in 2000, BERN Associates, Inc., sold to Prime Cellular in 1996.

As a Chief Software Architect at Register.com, Mr. Islek was responsible for re-architecting Register.com online web retail system, customer support systems, billing and accounting systems that generated over \$110M of revenue a year. The 5 years at Register.com, also leveraged Mr. Islek's expertise in Technical Evaluations of all M&A as well as Strategic Product, and Enterprise planning for Register.com.

Mr. Islek has been instrumental in development of cutting edge technologies. During his tenure in Inabox, WebSiteNOW™ was co-invented by Mr. Islek. A cutting edge technology at the time of its creation in 1997 it is one of the leading web-based on line website creation and publication tools that is being used by leading ISPs, ASPs and hosting companies such as EarthLink, Register.com, KPN Telephone, Prodigy, etc. with over 2+ Million users.

Mr. Islek has been a leading pioneer in the design and development of telecommunications equipment. In 1985 while at Protocom Devices Inc., he led the development of Packet Assemblers /Disassemblers (PADS) that supported various synchronous and asynchronous binary protocols. Mr. Islek has been among a small group of experts in the world specializing in IBM's SNA/SDLC protocols. In addition he has built advanced protocol devices for every generation in the evolution of PADS into Frame Relay and ATM technologies . Case Communications, Cray Communications, Dowty, Telematics, Netrix were among the many companies for which Mr. Islek had developed various telecommunication devices such as PADs, Frame Relay Access Devices, Switches and Routers.

Mr. Islek is a graduate of **Cooper Union School of Engineering** and holds an Electrical Engineering degree with specialization in Computer Engineering.



Mireille Saarti Islek
VP of Operations, Owner

Mrs. Islek is a successful entrepreneur and the owner of Forward Technologies Inc. As the VP of Operations of Forward Technologies Inc. (FTi), she oversees day to day operation of the company.

Educated in Middle East and fluent with French and Arabic, Mrs. Islek heads the Cultural Analysis and Language translation efforts for FTi. As the Director and Manager of Saarti Ltd, in Beirut Lebanon, she was responsible for day to day operations of a major man's clothing business serving very exclusive clientele that included head of states, diplomats and politicians in all of the Middle East.

Mrs. Islek has been instrumental in the expansion of FTi's Commercial operations to Government and Federal markets. As a certified real estate agent in NY State, Mrs. Islek is also responsible for all facility management and facility procurement efforts for FTI.

Mrs. Islek is a graduate of **Empire State College** and holds an International Business degree.



Mr. Rafael Collado
Advisor

Mr. Collado is a successful engineer and IT systems executive, specializing in the telecommunications and IT industries. Mr. Collado has founded, built and sold three companies, including: Inabox, acquired by register.com in 2000, BERN Associates, Inc., sold to Prime Cellular in 1996, and Sigma Research, acquired by FastComm Communications in 1993. Mr. Collado also founded Protocom Devices, which he took public in 1985.

Mr. Collado was instrumental in the development of Frame Relay technology and the introduction of MonoFRAD technology to customers including Pacific Bell, US West and GTE. Mr. Collado also developed network management and diagnostic systems, designing X.25 and IBM compatible communications processors for the US Government and private companies.

Mr. Collado was an Associate Professor in the Electrical Engineering Department of The Cooper Union Institute in New York, and he attended the Polytechnic Institute of Brooklyn where he majored in Electrical Engineering.