



T E C H N O L O G Y
P A R T N E R S

Company Profile



**Committed to Building Iraq's Critical
ICT Infrastructure**

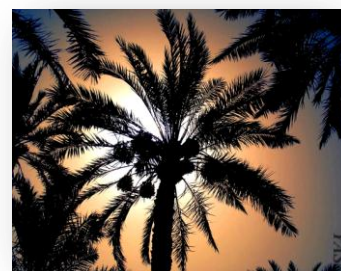
December 2010

CONTENTS

Introduction	Page 2
Corporate Information	Page 3
Organization	Page 5
Partners	Page 5
Sample Projects in Iraq	Page 6 - 10
Administrative Information	Page 11

INTRODUCTION

Technology Partners FZ, LLC is a full service communications and information technology (ICT) integration and solutions company. Technology Partners focuses on very large scale telecommunications and network infrastructure, applications and services which are designed, deployed and supported by our highly skilled technical and management team. These solutions are created from best-of-breed, industry-standard components, acquired through international partnerships with the world's leading technology vendors. Our industry focus is on the **Oil and Gas, Telecommunications and Utility** sectors.



Since 2003, TP has taken an active role in ICT construction projects for Iraq Government entities such as the Prime Minister's Office, the Ministries of Oil, Electricity and Communications, and ITPC.



Today, Technology Partners has offices in Baghdad, Sulaimaniyah, Erbil, and Basra.

A key enabler for our Iraqi business has been our logistics and engineering facility in the Jebel Ali Free Trade Zone in the U.A.E. This facility allows us the flexibility to procure, import, assemble and pre-commission key components prior to shipping and final in-country system integration.

With over 40 full-time employees permanently in Iraq, we have been able to establish a unique centre of technology excellence in that country. In 2008, TP became the country's first Microsoft Gold Partner and was awarded Iraq's first certified Cisco Silver Partnership in 2009. Established partnerships with SAP, DELL, Oracle, Sun, and other world-class vendors complete the portfolio. We are able to offer both in-country and out-of-country accreditation training for many of these companies.



Most importantly, our Iraqi employee base consists of Iraqi nationals and international contractors are all able to operate throughout the country. This unique capability is illustrated by the breadth and scope of the attached list of reference projects.

The Company's portfolio of next generation ICT capabilities includes the delivery of ERP and OSS/BSS software solutions from SAP, Microsoft, Oracle and Ericsson, Cisco network infrastructure, and computer hardware systems from HP, SUN, IBM and DELL. TP has also delivered satellite communications, fibre backbone and fibre-to-the-premises (FTTP) data systems, large scale voice and data converged networks, metro-scale wireless networks and other large-scale network infrastructure components for the telecommunications and utility industries, and the public sector.

A full range of services including software and hardware design, application development, maintenance and support completes our solutions. Using these technologies and services, Technology Partners delivers and integrates complete, metro-scale solutions such as **Telecommunications Infrastructure, ERP and Operations Support Systems and Business Support Systems (OSS/BSS), Smart Grid Applications** such as Automated Meter Reading (AMR/AMI), **Smart City Applications** including public safety communications, parking systems, intelligent traffic control systems (ITS) and digital billboard advertising, and **Public and Private Security Systems**.

CORPORATE INFORMATION

Technology Partners' **vision** is to become one of the premier ICT solution providers in the MENA Region, delivering best-of-breed, world-class technology, products and services which offer our customers both a competitive edge and value for money throughout the Middle East and North Africa.

Technology Partners' currently employs over 90 information technology and telecommunications professionals. Due to Technology Partners continued success it has continued to be a profitable company with an annual turnover exceeding US \$25 Million for the 2009 financial year.

The Corporate Head Office of Technology Partners FZ LLC is in Dubai, United Arab Emirates. We operate from offices in the Dubai Media City Free Zone, a warehouse in the Jebel Ali Free Zone, and branch offices in Baghdad, Erbil, Basra and Sulaimaniyah in Iraq.

Formed in 1997, Technology Partners has been focused from the beginning to provide state-of-the-art, next generation telecommunications and information technology systems and solutions. The company started as a professional consultancy offering international start-ups a foot-hold in the Middle East. In 2003, the company expanded to take an active role in the reconstruction of critical IT and telecommunications infrastructure in the country of Iraq to help facilitate its progression into a new era of economic and social freedom.

Using our extensive international experience, we have developed **partnerships** with best-of-breed technology vendors, allowing us to deliver true world-class solutions from commercial off-the-shelf (COTS) components with unprecedented price/performance. Technology Partners delivers complete, next generation solutions by integrating these products with the best technical, deployment, support and maintenance expertise.

Our Mission: is to deliver a distinctive competitive advantage to our customers by combining technology and industry leadership with a complete focus on satisfying customer's short and long term requirements. Our aim is to continuously meet the expectations of our customers, employees and stakeholders by providing quality, timely and cost effective value-added solutions from world class vendors, through excellent service delivered by highly trained and motivated people.

Our Success is measured by our ability to create a portfolio of unique and high value-add solutions that appeal to a broad, regional market; complete solutions capable of changing established business models. Technology Partners must continue to implement these solutions reliably with high levels of expertise and professionalism, and our focus on customer satisfaction delivers a competency based trust that turns customers into long term, referencable accounts.

Our Culture: Technology Partners strongly believes in management by "tacit interaction": fostering organizational effectiveness through learning, collaboration, innovation and increasing the effectiveness of our interactions with our customers, suppliers, vendors and our business environment. Technology Partners' team is highly empowered to differentiate themselves by increasing their productivity through a complex mixture of team innovation, problem solving and information exchange.



Our Values: Flexibility, integrity, teamwork and innovation.

Our People: At Technology Partners, we take enormous pride in the depth of experience within our team in a wide range of subject matters. Our team includes Telecom and IT professionals, Electronics, Electrical and Mechanical Engineers, Professional Accountants and MBA's with extensive international commercial experience. Currently we employ over 90 personnel between Dubai, Iraq and Jordan.

Our Solutions: Our primary activities are centred around strategic business units: *Smart Grid Solutions, Digital City Solutions, Software Services, TP Iraq and TP Federal Systems*. These units offers a wide range of specialized and valuable consultancy and integration services to Utilities, Government, regional GSM operators, Telecommunication service providers, municipalities, infrastructure service providers, and municipal-scale developers.

Our Industry: The *IT and Telecommunications* industry continues to grow at a rapid rate in the Middle East. The deregulations in the telecommunications market where second and third GSM licenses are being awarded is providing many business opportunities for Technology Partners. More Telecommunication IPO's and increased liquidity in the region drive the operators for expansion and more spending on their infrastructure as well as their Operational Support and Business Support Systems.

Municipal-scale applications such as next generation digital video surveillance and automated utility meter reading (AMR) have been created by the convergence of IP appliances (IP video cameras, parking meters, and utility meters), converged municipal-scale fibre and wireless networking technology, and distributed management and control systems. Security, management and control applications can now be implemented on a scale never before possible, and are becoming increasingly important components of the rapidly expanding Middle East infrastructure.

Technology Partners has invested heavily in understanding next generation municipal-scale and telecommunications technology and its potential applications. We have developed fully functioning demo and trial systems at our Dubai workshop and at our customers' facilities. We have developed and strengthened our strategic relationships with world-class component vendors, and have trained our personnel in all of the new technologies.

EXECUTIVE TEAM:

Chief Executive Officer	Omar Barzanji
Chief Technology Officer	Kenneth Kriel
VP Marketing	Roy Hodges
Dir. Business Solutions	Mohammad Hassan Najjar
Dir. Iraq Operations	Riyad Afif Al-Rawi
Regional Manager Kurdistan	Rebeen Barzanji
Commercial Manager	Hayder Atrakchi

ORGANIZATION

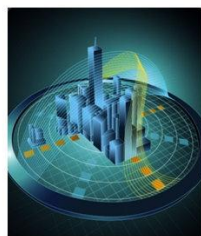
Each of our business units has a functional director focused on managing and growing that business. Technology Partners is not organized into a pyramid structure, it is an open organization where each individual within the team is encouraged to provide input to the general direction and strategy of the company.

Strategic Business Units: Technology Partners is organized into five business units, organized around business focus areas and industry solutions:



Utility Smart Grid Solutions

- High capacity, multi-use Distribution Area communications infrastructure
- Multi-layer fibre, copper and wireless networks
- Supporting all Smart Grid applications in real time
 - AMR/ AMI
 - Billing/ CRM
 - Distribution Management
 - SCADA control
 - Mobile workforce mgmnt
 - Infrastructure security



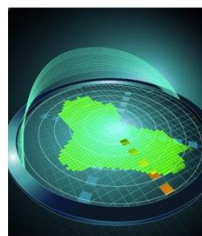
Digital City Solutions

- Metro-scale and enterprise broadband fibre and wireless infrastructure
- Supporting multiple, secure applications
 - Intelligent Traffic Systems
 - Intelligent parking Systems
 - Mobile workforce management
 - Mobile public safety
 - Video surveillance
 - Internet access
 - Public transport management



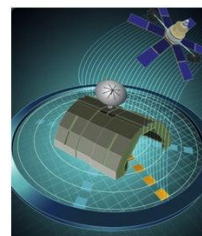
Software Services

- ERP and CRM solutions from SAP, Oracle and Microsoft
 - Financials
 - Human Resource Management
 - Production Control
 - Supply Chain Management
 - Service Management
 - Project Management and Accounting
- OSS/BSS solutions for telcos and service providers



Technology Partners Iraq

- Over 45 technical personnel in country
- Offices in Baghdad, Erbil, Sulaimaniyah and Basra
- Cisco Silver, Microsoft Gold partners
- Proven track record of major IT projects for Iraq ministries, telcos, ISPs and corporations



TP Federal Systems

- Technology Partners US subsidiary
- Established to support US Government sponsored technology projects
- Middle East provisioning and logistics centre
- Specialising in complete ICT solutions
 - Satellite, fibre communications
 - IT infrastructure provisioning and support

PARTNERS

Our experience has proven that the way to ensure success in a project is to create strong partnerships, not only with the customer but also with the vendors. We are proud of the partnership portfolio which allows us flexibility in design and fast turnarounds. We select our partners along the following principle guidelines, these are:

- **Technology:** Our solutions comprise of many elements and technologies. The overall solution is a sum of these elements and the ability for these components to work together

Networking

	Cisco Networks
	Tropos Mesh Wireless
	Pepwave Wireless CPEs
	BlueCoat Network Security
	Motorola Wireless Networks
	Avaya Networks
	General Dynamics Communications
	Skyfiber FSO Networks

Integration





	SAP ERP Software
	Oracle Systems and Software
	LHS OSS/BSS Software
	Microsoft Software
	i-conX Interconnect Solutions
	Comptel Mediation Software
	Ericsson Communications
	Nokia Siemens Communications

- Support:** Our customers rely on us to support them throughout the lifespan of their project. The support offering we receive from our partners dictates the level of support we can offer our customers
- Commercial viability:** Our partners' products must offer leading edge technology but not be cost prohibitive
- Strategic alignment:** The entire product portfolio and product roadmap must appeal from a strategic perspective on where our partner believes the industry is heading and strategic path they are taking to get there.

Applications

	ONSSI NVM Software
	Axis Surveillance Cameras
	Sony Surveillance Cameras
	S2 Access Control
	Econolite Intelligent Traffic Systems

Systems

	Dell Systems
	Sun Systems
	HP Systems
	IBM Systems

TECHNOLOGY PARTNERS SAMPLE PROJECTS IN IRAQ

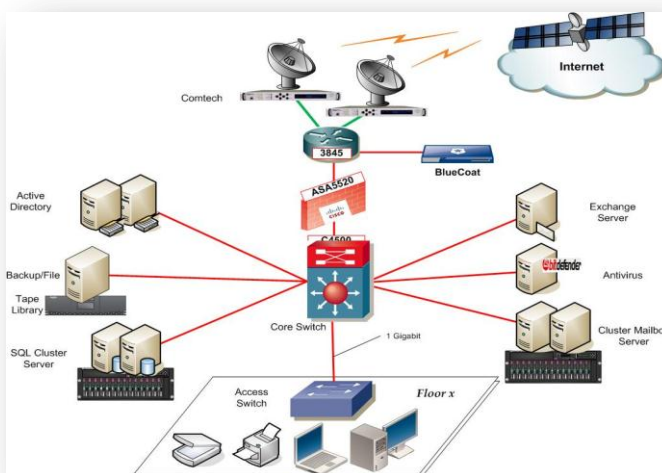
Below are brief descriptions of a sample of the projects Technology Partners has implemented in Iraq. Some of these have been successfully delivered, others are still in progress:

INTERNET DATA CENTRE: IRAQ PRIME MINISTER'S OFFICE

In 2008, TP completed the successful deployment of a Data Centre to deliver secure and reliable Internet connectivity for the Iraq Prime Minister's Office. The system consisted of a complete Cisco security solution, with load balancing and caching and VSAT backhaul.

Components included:

- Dell servers and storage
- Microsoft OS, DB and applications
- Cisco Catalyst 4500 core switch
- Cisco 3845
- Cisco ASA5520 Firewall
- Bluecoat SG510-25
- Comtech modems for VSAT connectivity



BASRA FIBRE INFRASTRUCTURE

Currently being completed by TP is a major communications infrastructure project for Iraq Telecommunications and Postal Company (ITPC).

The project requires the deployment of some 270Km of redundant fiber infrastructure to connect the Basra International Airport area to ITPC’s Southern SDH Network.

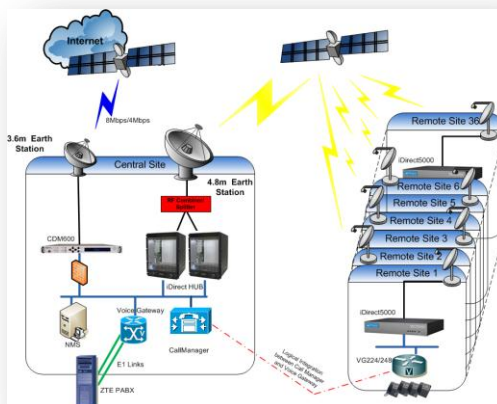
This project is a critical component of Iraq’s Regional Core NGN Infrastructure upgrade to develop nationwide fibre communications.



IRAQ MINISTRY OF OIL (SCOP) NATIONWIDE VSAT WAN INFRASTRUCTURE

Completed this year (2010) is a major telecommunications infrastructure project for the Iraq Ministry of Oil.

35 remote sites from all over the country have been connected through a central MoO site using a VSAT Wide Area Network. Ministry applications supported include a centralised, redundant Internet service, and Ministry-wide IP telephony with unified communications. This system has also been designed to support backbone communications for the multi-site ERP applications which are the subject of this proposal.



ITPC ARABSAT SATELLITE EARTH STATION

Technology Partners, together with General Dynamics and Commtech, designed and implemented the ArabSat Standard B Earth Station project for the Iraq Telecommunications and Post Company. The earth station was damaged in the war and was part of the Iraq Reconstruction Program.

The ArabSat consortium provides voice communications between all member states. The project, based around an 11 meter Standard B earth station, provided ITPC with 40 E1 (2.048 Mbps, G.703) trunk circuits with at least one E1 circuit for each of the 14 member states.

The system utilizes compression techniques to convert the forty trunk circuits to ten bearer circuits. The bearer circuits are then connected to a microwave system for transmission from the customer demarcation location to the earth station. This project was completed in August 2005.

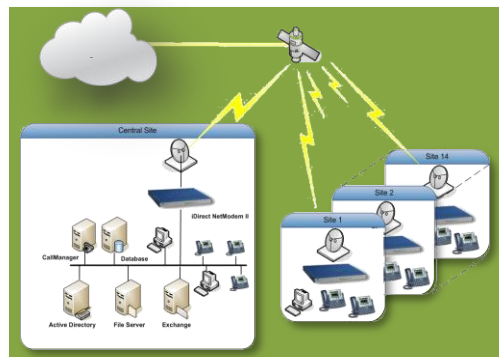


IRAQ BOARD OF SUPREME AUDIT

The Board of Supreme Audit (BoSA) was one of the first government ministries to automate its operations as part of Iraq Reconstruction Program. Technology Partners was awarded the infrastructure upgrade which included system design, and provisioning of a nationwide IP backbone for voice, video and data communication.

The platform comprised:

- A complete state-of-the-art data centre
- 2 x 6509 Core Cisco switches, and 30 x Catalyst 2950 switches
- Medium and high end HP servers, with windows 2003 OS.
- 860 Cisco IP phones with Cisco Call Manager Platform
- VSAT connections for 14 remote offices to the Head Office in Baghdad
- Fibre optic and copper structured cabling for 14 remote sites
- 700 desktop, 1100 laptop computers.



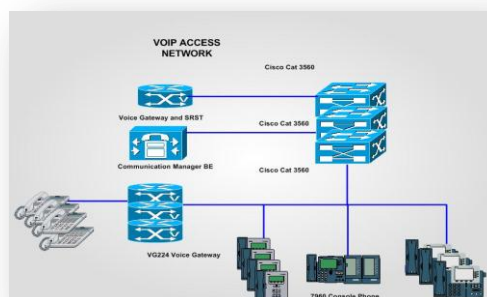
Technology Partners was responsible for all installation services, and training for BoSA staff.

BASRA AIRPORT DWDM AND VOIP

This recently completed Technology Partners' project provides a new IP infrastructure based on a DWDM/SDH core between the Basra Airport and the Andalus ITPC PSTN network in Basra.

The link delivers E1 voice channels for the Cisco Communication Manager server. The project also includes a microwave redundant link in addition to the fiber network.

Basra Airport is now equipped with the latest IP platform to support a full range of triple play services.



MINISTRY OF ELECTRICITY

The Iraq Consolidated Fiber Network (CFN) is a national voice and data communications network that supports the service requirements of the Iraqi Ministries of Electricity (ME), Transportation, Telecom, and Communications using a common fiber optic backbone. The scope of work included design and installation of voice and data network in sixty sites located throughout Iraq.

Technology Partners, as the main subcontractor to Bechtel, delivered the design, procurement, installation, testing, and commissioning services for this project on a complete turnkey basis. The design included deploying a fiber optic core with Cisco switches and routers to more than 40 sites. The project was completed in 2006.

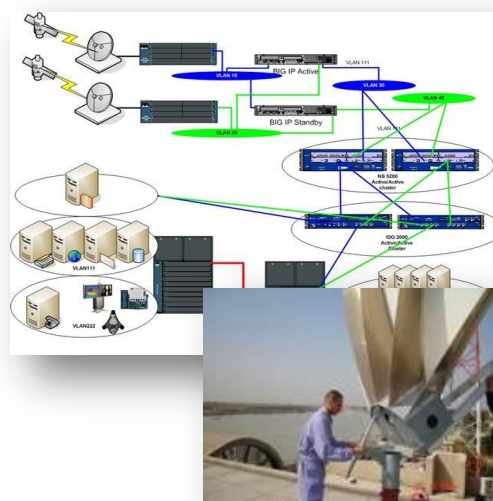


IRAQ COMMUNICATIONS AND MEDIA COMMISSION

In 2007, Technology Partners completed a state-of-the-art infrastructure network for the Iraq Communications and Media Commission in Baghdad. This network included:

- 24 application servers,
- 1 cluster storage system,
- 200 desktops, 50 laptops,
- 2xCisco 4507 layer-3 switches,
- 14x3560 switches
- 3x7206 routers
- Cisco Call Manager servers, with 200 Cisco IP phones
- 2VSAT connections for the Baghdad site with load balancing and fail over

The network serves the internal users of the commission as well as external users applying for RF licenses and web domain registration for DOT IQ.



NEWROZ INTERNET SERVICE PROVIDER

Technology Partners has implemented a major project for Newroz, the Internet Service Provider licensed to deliver ISP services in Erbil, Kurdistan. The system supports dialup, DSL, and CDMA wireless connections as well as an MPLS VPN service.

The IP/MPLS core network utilises a Cisco 12000 series GSR router and a Cisco 7606 router at each remote POP. The project also involved implementation of Microsoft Active Directory, Microsoft Exchange Server and Microsoft SQL Server at the Data Center to host the billing database and user authentication and authorisation (AAA) system.



IRAQ NGN PROJECT- ERICSSON

Technology Partners is currently in the implementation phase of an NGN-Ericsson project in Iraq to provide a national wire fixed line system of 500,000 lines using the Ericsson NGN (Next Generation Network) technology. The access part of system is enabled by Ericsson / Marconi equipment called IP MSAN (Multi service access node) EDA2530.

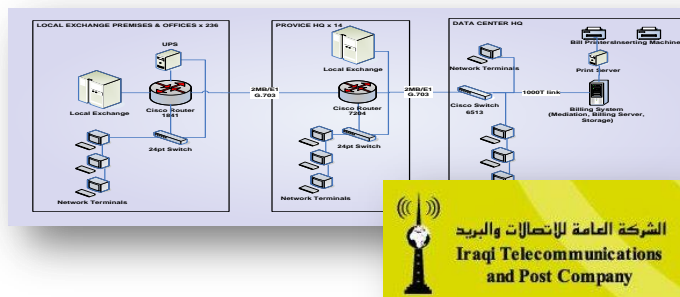
The Technology Partners contract also includes the operation and maintenance of the OSS system which will monitor the performance of the network.



IRAQ TELECOMMUNICATIONS AND POSTAL COMPANY

Iraq Telecommunication and Postal Company (ITPC) is the incumbent wireline service provider in Iraq. In 2005 Technology Partners was awarded the project to completely overhaul ITPC's antiquated billing system.

The scope of work included an LHS billing and customer care system running on the latest Sun platform, with interfaces to more than 200 remote exchanges.



TP was also responsible for the supply and installation of Xerox and Pitney Bowes production printing and enveloping machines.

The project included furnishing a 200 square meter data centre. This state-of-the-art deployment included under floor air conditioning, card access security system, automatic fire system, generators, and 8 hour UPS.

The entire hardware deployment (servers, network components, printers, envelope) was staged at TP's Jebel Ali logistics facility before shipping to the client. The network components included 2x Cisco 6509E core switches, 250 x Cisco 1841 routers for remote sites and 14 x 7204 for provincial operations.

The initial project was completed in 18 months.

ITPC PAYPHONE PROJECT

This project was awarded to TP in 2005 to supply and install an ASCOM Payphone Management System, together with 1000 payphones and 2 Million customized payphone cards. Technology Partners also provisioned the supporting Cisco backbone network and provided technical and end user training and support for the system.

The payphones are connected to multiple exchanges (in 15 provinces), and each exchange has its own management system. All provincial sub-systems are connected to a main management system in Baghdad, using E1 over fiber optic technology. TP also played a key system testing role for the deployment.



ADMINISTRATIVE INFORMATION

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