



PETRA TECH, Inc.
Corporate Offices
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Layton, UT 84040

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SBA 8(a) and SDB
Certified

PETRA TECH was established in 1998 by Mark Dawood, President & CEO, as an Information Technology (IT) firm that provides technical IT services and product development with a focus on information security.

PETRA TECH provides professional services for Program Management, System and Network Engineering, System and Network Administration, Programming Service, Database Management, Software Development, Web Development, IT Security, Backup and Disaster Recovery.

In January of 2003, PETRA TECH was certified by the U.S. Small Business Administration as a certified 8(a) IT and Engineering services firm. In November of 2003 PETRA TECH was certified by the Department of Transportation as a Disadvantaged Business Enterprise (DBE). In April 2004, PETRA TECH was awarded a GSA schedule 70 contract number GS-35F-0437P.

Bonding Level: General Liability bonding at \$1 million per project

CAGE Code: 1YEN7

DUNS Number: 135235427

Clearance: SECRET

NAICS Codes	NAICS Description	SIC Codes	FSC Codes
541511	Custom Computer Programming Services	7371	R414
511140	Database and Directory Publishers	7373	R421
511210	Software Publishers	7374	R425
514210	Data Processing Services	7375	R607
541330	Engineering Services	7379	
541430	Graphic Design Services		
541512	Computer Systems Design Services		
541513	Computer Facilities Management Services		
541519	Other Computer Related Services		
541611	Administrative Management and General Management Consulting Services		
541614	Process, Physical Distribution, and Logistics Consulting Services		
541620	Environmental Consulting Services		
541690	Other Scientific and Technical Consulting Services		
561210	Facilities Support Services		
811210	Electronic and Precision Equipment Repair and Maintenance		

Project Management

By adhering to PMI's proven PMBOK methodology PETRA TECH assures clients that their project, no matter how big or small, will be delivered as planned.

The project management life cycle is broken into 5 phases: **Initiation, Planning, Executing, Controlling** and **Closeout**. Within the phases PMI's 9 knowledge areas are implemented with the processes that keep the project on time, on budget and on scope. These are:

Project Integration Management:

- Project Plan Development
- Project Plan Execution
- Overall Change Control

Project Scope Management:

- Initiation
- Scope Plan
- Scope Definition
- Scope Verification
- Scope Control

Project Time Management:

- Activity Definition
- Activity Sequence
- Activity Duration.
- Schedule
- Schedule Control

Project Cost Management:

- Resource Plan
- Cost Estimate
- Cost Budget
- Cost Control

Project Quality Management:

- Quality Plan
- Quality Assurance
- Quality Control

Project Human Resource Management:

- Organizational Plan
- Staff Acquisition
- Team Development

Project Communications Management:

- Communications Plan
- Information Distribution
- Performance Reporting.
- Administrative Closure

Project Risk Management:

- Risk Management Planning
- Risk Identification
- Qualitative Risk Analysis.
- Quantitative Risk Analysis
- Risk Response Planning
- Risk Monitoring and Control

Project Procurement Management:

These are the processes required to acquire goods and services (known as product) from outside the organization. There are six processes:

- Procurement Planning
- Solicitation Planning
- Solicitation
- Source Selection
- Contract Administration
- Contract Close-out

Services

Security

PETRA TECH Security approach ensures that system security is addressed from system inception, through deployment to operation. PETRA TECH's services include:

- Security Policy Development
- Enterprise Security Administration
- Certification and Accreditation (C&A) by using DoD and DITSCAP Standards
- Security Needs/Risk Assessment
- Agency-Level Information Security Policy Development, Evaluation, and Implementation
- User Authentication and Device Authentication Mechanisms
- Firewalls, Data Encryption, Virtual Private Networks (VPNs), and IT Source Filtering
- System Monitoring and Ongoing Cyber Risk Assessments
- Vulnerability Analysis and Computer Incident Response Team (CIRT) Participation
- System Administration and Maintenance
- Policies, Procedures, and Documentation Maintenance
- Critical Infrastructure Continuity and Contingency Planning

Services

SAP and Oracle Financial Consulting

With the demand for highly skilled SAP and Oracle consultants growing rapidly, PETRA TECH has begun a dedicated new services practice focused on SAP and Oracle financial consulting. The mandate of this practice is to provide cost-effective resources and successful project completion.

Following SAP's ASAP and Oracle's AIM project management methodology PETRA TECH assures clients that their project will be successful. For functional and technical resources in SAP and Oracle, PETRA TECH has the highly skilled consultants you need.

The following is a partial list of consultants that PETRA TECH has available:

- **SAP** – FI-CO, MM, PM, ABAP, HR, Basis, Security, BW, SD, Project Managers
- **Oracle** – DBAs, Systems Analysts, Application Analysts, QA, HR, Project Managers

Services

Network Consulting

PETRA TECH certified Network Engineers provide professional Network services from the initial design to maintenance and upgrades. We can assist you with the following services:

- LAN/WAN/VPN Design
- LAN/WAN Security Issues
- Hardware/Cable Installation
- Hardware/Software Configuration
- Help Desk Services
- Preventative Maintenance
- Troubleshooting and Data Recovery Service
- Wireless Technology

Our expertise and knowledge includes, but not limited to, Microsoft, Unix, and Linux platforms, IBM, HP/Compaq, Sun Microsystems, Novell, Cisco, 3COM, Citrix, and MultiTech.

Services

Web Technologies

PETRA TECH offers design, implementation, and maintenance services involving database, and web technologies. We specialize in small to large sized web solutions for both businesses and organization use.

We specialize in systems built with Open Source tools, Linux, Apache, MySQL, and PHP. These technologies allow us to rapidly build and deploy custom websites and web applications at rates affordable by small business.

Services include but are not limited to:

- Client/Server Inegration to Web-enabled application
- Legacy Systems Migration
- JSP, PHP3, PHP4, HTML, DHTML, ASP, XML
- Java, JavaScript, CGI, PERL
- ColdFusion
- Microsoft SQL Server, MySQL, MSQL
- ORACLE
- Multimedia Technologies
- Cross-Browser Compatibility

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System Programming & Analysis

With our in-house analytical skills we are able to assess the customer's needs in order to design and plan the creation of their application software. Our highly experienced developers can carry out the planning and building of the systems requirements. PETRA TECH is uniquely qualified to provide rapid development of enterprise-wide, technology-based business solutions.

Services include but are not limited to:

- Systems Analysis
- Systems Integration
- Systems Reengineering
- Software Application Design & Programming
- Software Development and Maintenance Support
- Software Integration
- Database Development and Administration Support
- Information/Data Processing Support
- knowledge Management
- Data Mining
- Data Center Management

Services



Design & Engineering Support

We can assist you with the following services:

- Electronics Manufacturing Services (EMS) Design and Engineering Services
- Design Services
- Product Life-Cycle Management (PLM) IT Services
- Original Design Manufacturer (ODM) Services
- Systems Engineering Test and Analysis



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Software

Product Name: iSafeGuard Extended

Description: iSafeGuard Extended is available to integrate basic security equipment (Fire Alarms, Door Access Control and Cameras) with other assets (buildings, human resource) to provide security personnel a single view of all physical security assets and activities. Features include security protocols definition and implementation, alerts and notifications, incidence logging and analysis, proactive alerts on events outside of defined parameters, management reports. PETRA TECH offers iSafeGuard as a solution installation including customer needs analysis, integration development, training, installation, and first year support.

Product Name: iCRM Enterprise Standard Edition

Description: iCRM Enterprise version (1 to 50 named users) is for multi user license. Features include customer management, contacts management, Transaction/Project (e.g. sales, customer service, etc.) Management, user definable additional screens, Task Management, Notes (keyword search and print), Letters (Quick and mass mailing), email (Quick and Blasts), Literature fulfillment, Marketing, Basic Process management, History, Document Attachment and management, Autodialing, Data Imports and Exports with standard template for imports from Outlook, Quick Search and Actions, Database Queries and Reports. It operates on any standard Windows and Linux platforms. It is available for Oracle database, MS SQL Server, or any RDBMS including mySQL database.

Products

Hardware

DakDrive™ Secure External Hard Drive (Patent #60/492,251)
(*Biometric Authentication External Data Storage Device*)

This Biometric Authentication External Hard Drive comes with a built-in fingerprint reader and is superior to other means of secure identification. Proven superior to the other means of positive identification that relies upon cards, PINs, passwords, or personal information. Biometric Technology analyzes and measures certain biological characteristics of an individual to create a unique identifier that can be electronically stored and retrieved for positive identification.

The fingerprint reader recognition authenticates a user's identity by matching a current scan against an enrolled-user database. This technology is easy to use and compact enough to be one of your PC's peripherals.

ATHOS™ Enterprise Host-Based Detection System. (Patent Pending)

Military & Federal information systems and communication technologies are used as force multipliers. Systems reliability, availability, and data integrity are critical readiness elements. There has been an emphasis in research and development of network based intrusion detection systems, which focus on the monitoring, detecting, and analysis of data traffic into and out of enterprise systems, **but little work has focused on the problem of the insider threat.** How does the enterprise monitor, detect, analyze and respond to both malicious and unintended aberrant behavior by those within the borders of the firewall or IDS sensor boundaries? An enterprise level intrusion detection system focuses on user-computer system interaction, system-system interaction, and data interactions within the system. These are all areas needed to supplement network intrusion detection systems currently deployed within the Federal and commercial environments.

Products

How to Engage PETRA TECH

The range of contracts available to reach PETRA TECH ensures that you can use them to satisfy immediate and long-term requirements.

Direct Awards under 8(a) Program

The Small Business Administration offers the 8a business status to provide opportunities for qualifying small businesses seeking access to the government contracts marketplace. This is a developmental program that allows direct awards to certified companies, drastically reducing contracting cycles. PETRA TECH Inc. was certified in the 8a Program on January 10, 2003.

U.S. General Services Administration (GSA)

GSA IT Schedule 70 is an ID/IQ contract, pre-negotiated pay schedule providing the full range of IT services, including data warehousing, networking, information systems analysis and design for all federal departments and agencies. PETRA TECH offers complete solutions for the full range of systems life-cycle services, including information security, network design and development, outsourcing, and systems integration. Since the Government has already negotiated contract prices and terms and conditions, the lead-time required to obtain services and products is dramatically reduced. Contract Number: **GS-35F-0437P**.

Flexible Acquisition and Sustainment Tool (FAST)

The FAST program is a rapid-procurement, time and materials, GSA buying service managed by GSA for use by any federal department or agency. Each end-user department or agency that procures services from PETRA TECH receives full credit for utilizing an 8(a) company.

Air Force Design Engineering Support Program (DESP)

DESP provides technical and administrative support services for all Air Force weapon systems, components, and support equipment (including engineering design, integration, system modifications, limited manufacturing, maintenance, repair, and supportive operations/processes). The DESP contract was established for use within the Air Force Material Command (AFMC). This contract vehicle can be used by other Air Force commands, DoD agencies and other government entities having similar systems or needs.

Network-Centric Solutions (NETCENTS)

The purpose of the Air Force NETCENTS contract is to provide Air Force, Department of Defense and other Federal Agencies a primary source of networking equipment/product supply and a means of system engineering, installation, integration, operations, and maintenance for a family of Department of Defense (DoD) adopted commercially standardized networking solutions that are interoperable with Air Force, Joint, and DoD Standardized Networking Technical Architectures.