

## About Petris Technology, Inc.

Petris offers a unique blend of energy industry domain expertise, experience and software technologies which, in combination, help clients work faster and make smarter business and operating decisions. Our customer-friendly, willing-to-listen attitude coupled with our 'right size' makes Petris more attuned to the needs of the customer and more able to deliver solutions which meet the specific needs of individual customers.

Petris software products, services and solutions are designed to enable clients to access applications and data whenever and wherever they need it, in the format their application expects, with the confidence to use it.

## Organizational Focus

Using a combination of software, industry-based consulting services and technology development, Petris works with clients around the world to reduce costs and create new value through better utilization of data, knowledge, and information. We work for oil and gas companies, industry service providers and governmental agencies, with primary focus on upstream and midstream energy companies. Petris markets its products worldwide and currently offers professional services and solutions through its offices in Houston (USA), Toulouse (France) and London (UK). Petris products and services include:

- Data Management, Collaboration and Visualization Software
- Data and Application Integration
- Well bore data management, applications and visualization tools
- Drilling and well completion applications (Maurer)
- Application Hosting and Service Provider
- Data Conversion and Quality Assurance
- Damage Prevention Systems and Services
- Geospatial Information Systems (GIS) Consulting and Services
- Information Technology Consulting and Services
- Process-based Workflow Development

## Our Approach

- We examine each company carefully to help define each client's needs as unique, and we deliver an individualized "solutions" approach.
- We assist our clients in "bridging the gap" between business and technical systems, and we help them increase productivity and efficiency.
- We employ a highly experienced team of professionals from the energy, geosciences and information technology fields, so we have a unique "hands on" understanding of each client's management and systems challenges.

## Products and Services

- **PetrisWINDS™ Enterprise**, a unique web-based data management and integration platform based upon patented technology for data exchange. Using an open service-oriented architecture approach, it enables the efficient search for and transfer of information stored in various databases throughout the enterprise, across and between workflows. PetrisWINDS Enterprise solves many of the data and application integration problems associated with multiple disparate data models.

- **PetrisWINDS Recall Database**, the industry-leading solution for handling and storing well bore data such as wireline data, mud logs, cores, borehole images, waveforms (including NMR) deviation surveys, attributes, documents and history information.
- **PetrisWINDS Recall Application Suite**, which offers a comprehensive set of applications, data editing, visualization and management tools for well bore data analysis. Applications include LogScape, INCLINE II, IMAGE, PETROS 3, SUPERVIEW, SPATIAL and TRANSCRIPT.
- **PetrisWINDS DrillNET**, an integrated suite of drilling applications which provide the necessary tools for total management of drilling and well completion programs, while enabling capture/reuse and sharing of the data.
- **PetrisWINDS NOW!**, an application-hosting architecture that enables applications and services to be provided to end-users from a browser-based environment. More than 80 different software applications are available 'for rent' online at the PetrisWINDS Now! Web site. This offering leverages the growing market for 'software as a service' (SaaS) in the energy sector.
- **PetrisWINDS Internet Dashboard**, a visualization tool that allows instantaneous viewing of anomalies and trends within data sets to enable focus on the things that matter most. Data can be loaded from any type of two-dimensional dataset such as Microsoft Excel, or via a dynamic XML link to live databases.
- **PetrisWINDS Project Monitor**, a collaborative project planning and management system.
- **PetrisWINDS One Call Screening Support System**, a computer-based, automatic system for meeting pipeline regulatory requirements for callback notification on excavations where digging could be hazardous. Also offered is the PetrisWINDS Rover, a handheld unit that automates the process of locates for One Call ticket handling.
- **PetrisWINDS Internet Data Room (IDR)**, a suite of services that create an online workspace for team collaboration. Self-administered data loading and end-to-end encryption provide a secure repository for multi-formatted files.
- **Petris GIS Services**, including Geospatial information applications and development. Our Geospatial information services (GIS) can help you manage and get the most from your Geo-science and engineering data for the purposes of compliance and risk management.

### **Professional Services**

Petris offers focused Consulting and Technology Services that complement our leading-edge technology solutions. From strategy, best practices, and business-case analysis through process improvement, implementation, data integration, content management, and change management, Petris helps clients define their objectives, develop a roadmap, and realize the full value of enabling technology. Our services drive benefits for our clients by improving efficiency, effectiveness and accuracy within their organizations.

### **Customer Help Desk**

Petris staffs a US toll free (1-877-9PETRIS) Customer Help Center, as well as a center in London (+44 20 8202 2433). All trouble calls are logged into and tracked by the REMEDY Action Request System.

## Technical Competencies

### Languages and Applications

Petris maintains a team of developers with the skills and knowledge to build Web-based data management applications and solutions. We focus on a strategy of company-centered, enterprise-wide systems that enable our clients and their operating teams via Internet access across companies and data vendors. Some of the technical capabilities are competency in C, C++, CORBA, Java, Java Beans, SOAP, XML and the BEA product suite.

### Database

Our data management projects have brought us into contact with many of the key energy industry data base management systems. Oracle plays a dominant role in this area, and we have deep knowledge of the administrative and programming functions of Oracle, including Oracle spatial and context cartridges. Another database vendor that has a significant installed base in the energy industry is Unidata, which is used by various financial and accounting application vendors. We have extensive knowledge about accessing these systems for Internet data distribution and display, with core competencies in many technologies and tools including Ascential's DataStage ETL product, Informix, Microsoft SQL Server, Oracle and Unidata.

### Geospatial Information Expertise

Petris maintains a consulting practice, technical services and application development capabilities in the geospatial domain (GIS, GPS, and Image Processing). We have staff with extensive experience in ESRI (ArcMap and ArcIMS), GPS, and ER Mapper.

### Computing Infrastructure Capabilities

Petris maintains a Web services data center for its computing, databases and network access capabilities. The data center is equipped with secured back-up services with redundant power, air conditioning and Internet connectivity. Data backup is performed daily, with tapes archived at the Iron Mountain Off-site Data Protection vault. All systems are continuously monitored by HP OpenView, which provides usage reports, network traffic and predictive error alerts. Additionally, Petris monitors performance data on all systems with respect to CPU usage, disk and memory utilization. These mission critical, customer-facing services require supporting processes, practices, and infrastructure that are dependable and protected. Petris has the expertise and experience to provide reliable, secure Web services. The competencies include:

- IIS and Apache Web Services
- NetScreen Security
- Solaris Operating Systems
- TomCat Application Services
- Windows 2000 Server Operating System

## Methodologies and Tools

Petris has a number of established methods and practices that help us deliver professional solutions and software development, along with sound project management. We have established approaches to software development designated by Object-Oriented standards and UML documentation for distributed architectures. Petris also maintains computer-based tools and capabilities for support and project management. These include:

- E-Tester for monitoring and testing Web-based applications
- PetrisWINDS Plan-IT for Web-based Project Management and Project Team Collaboration
- Remedy Software Problem Reporting System for bug tracking
- Remedy Call Center for incident reporting and customer support tracking
- SourceSafe application for management of Petris source code assets

## Staff Certifications & Awards

Petris and its staff have accumulated a number of awards and professional certifications that reflect both individual professional development and Petris' commitment to its employees. Certifications at various levels have been obtained from CISCO, Microsoft, Oracle and Remedy.

Petris has been recognized with the following awards:

- Deloitte and Touche Texas Tech Fast 50
- Houston 100
- Forbes Magazine "Best of the Web"
- US Small Business Administrators Award for Excellence- 2000

Petris was awarded US Patent #6,792,431 in September 2004 for the method behind the Dynamic Common Model, a core technology of PetrisWINDS Enterprise.

## US Government Contractor Certifications

Petris is an approved US government contractor under the General Services Administration procurement procedures and a Qualified Service Contractor for the State of Texas.

## Industry Expertise

- Drilling and Production Systems
- E&P Operations
- Geology/Geophysics
- Geospatial Analysis
- Oil & Gas Accounting
- Oil & Gas Information Technology Management
- Oil & Gas Management Operations
- Petroleum Engineering
- Regulatory/Royalty Accounting
- US Government Policy and Procedures

## Business Partners/Alliances

- NetBrains
- iLatina
- Amec SPIE
- EPIS
- TeleAtlas
- Environmental Systems Research Institute (ESRI)
- FileNet
- Oracle
- Microsoft
- Verity
- BEA
- SciCom
- Oilware
- INT
- Zebra GeoSciences
- Petroleum Open Systems Corporation (POSC)
- Public Petroleum Data Model (PPDM)
- Pipeline Open Data Standard (PODS)
- Society of Petroleum Engineers (SPE)

## Independent Software Vendors (ASP)

- Advanced Resources International
- Automated Solutions International (ASI)
- Cossey & Associates Inc.
- Dallas Data Processing
- Data Management Solutions (DMS)
- Engineering Software
- Ensyte Energy Software Int'l.
- eProduction Solutions
- HRH Geological Services
- Invensys SimSci-Esscor
- LeanForward
- Maraco, Inc.
- Maurer by Petris
- NSI Technologies, Inc.
- Petris Technology - Recall
- Petrospec Technologies, Inc.
- Production Access
- Texas Computer Works, Inc.
- Theta Enterprises
- Ultramarine, Inc.