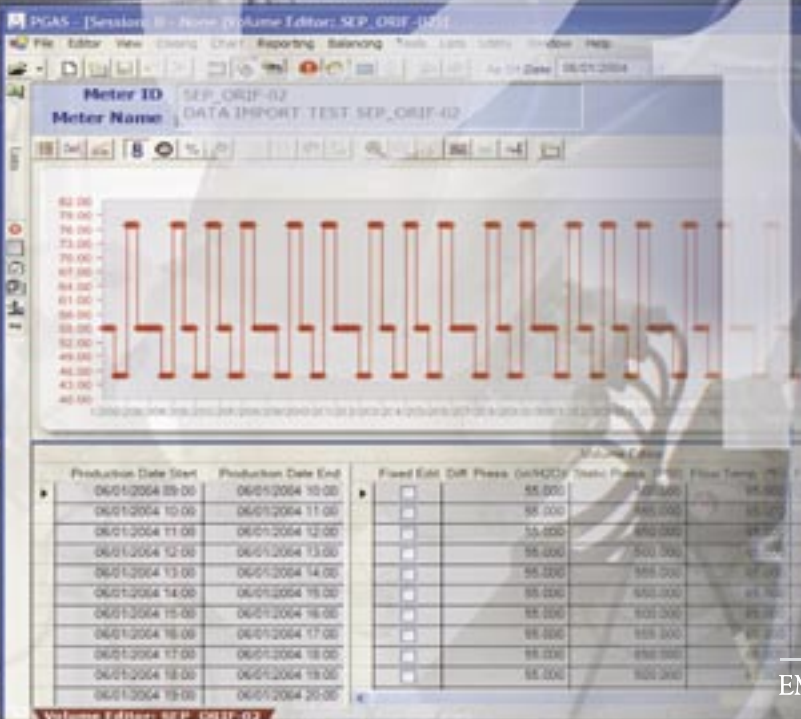
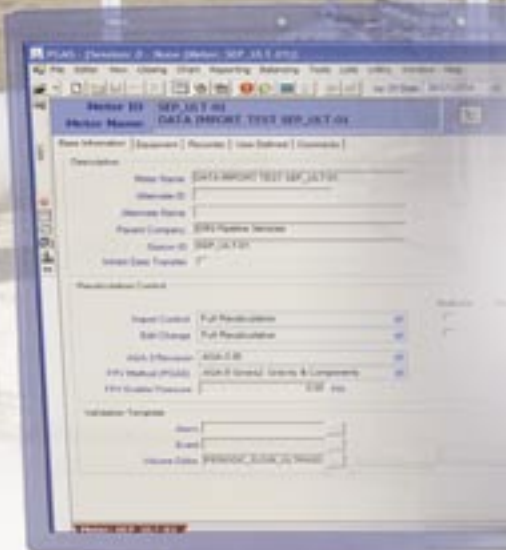




PGAS

The Next Step in Gas Measurement



EMS Pipeline Services

What our customers are saying about PGAS 6.1

“The maneuverability throughout the PGAS 6.1 system is improved because everything is Windows-based. It is easier to get from screen to screen or to get to the meter information you want to access.”

“PGAS 6.1 lets me truly work outside the box and generate ad hoc report packages with the specifics I want to see – or select any of the defined reports.”

“The report distribution features on PGAS enables my team to automate report distribution after a close, which frees them up for more high value activity rather than spending several days printing and faxing reports each month.”

PGAS 6.1 Raises the Bar

PGAS is the widely accepted standard in natural gas measurement systems. Featuring an open and flexible architecture that is user-driven, PGAS 6.1 enables gas production, gathering, transmission, and distribution companies to efficiently manage millions of records related to gas volume transactions.

EMS Pipeline Services developed PGAS 6.1 to include functionality requested by the PGAS Users Group and to fully utilize the latest Microsoft technology. The result is improved functionality and enhanced ease-of-use, including:

- Greater scalability, reliability and security because it is developed on the Microsoft.Net platform.
- Improved navigation to make it possible to see all active records with a simple mouse click.
- Enhanced import process to capture data from a full range of sources through a flexible, open XML interface.
- More validation capabilities to flag errors or anomalies as they occur to catch and manage potential problems quickly.
- Enhanced reporting functionality to make customizing and distributing reports a snap.
- Improved gas balancing features to reduce lost and unaccounted for gas through near real-time calculation and enhanced reporting of pipeline balances.
- Simplified interfaces to downstream systems through a new summarization capability that precalculates hourly, daily, and monthly volume and gas quality information.
- Enhanced compliance with Sarbanes-Oxley and other regulations through improved audit trail capabilities and a new Audit View function that enables users to follow the audit trail of active records and keep track of all inactive records.
- Better clarity through the new Audit Notes feature that works like a sticky note to enable users to post explanations to any configuration or volume edit.
- Better distribution of processing demand to avoid backlogs through a multi-tiered design that automatically detects and engages idle middle tier computers to perform calculations.

Four Steps to Better Gas Measurement

Identification of Your Needs

Gas production and transmission companies collect an enormous amount of data related to production volume, gas quality and delivery transactions. While some try their best to manage those records without PGAS, many find that it is virtually impossible, leading to millions of dollars in red ink from lost and unaccounted for gas and trouble complying with new corporate accountability standards such as Sarbanes-Oxley. PGAS's scalable architecture and comprehensive systems controls address these critical requirements. That's why companies decide to join the growing list of PGAS users.

Integration Into Your Network

The EMS Pipeline Services team will work closely with your team to integrate PGAS with your existing applications and databases to amplify their effectiveness. With the open and flexible architecture of PGAS, our team of specialists can customize the system to deliver best practices in gas measurement while meeting your unique needs and processes. We will integrate PGAS with your front-end SCADA / EFM applications and your downstream gas marketing and accounting systems. Because of PGAS's open XML architecture, your team will be able to work more efficiently than ever, processing data near real-time, reducing manual data entry and facilitating reporting.



Training Your People

To help you drive efficiencies and improve your gas measurement processes, EMS Pipeline Services will help your firm adapt to PGAS. Our implementation process anticipates and eliminates potential disruptions and enables our team to smoothly transition your workflow to PGAS. We offer personalized training and reference materials, and we conduct both standard and customized training sessions, so your team will achieve high levels of productivity and benefits from using PGAS. EMS also offers a full range of turnkey services to assist with your implementation, including development of interfaces, reports, customizations, support of data migration, testing and system optimization services.

PG
The Next Step

PGAS

Step in Gas Measurement



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Ongoing Support as You Change

After PGAS is up and running, EMS Pipeline Services continues to contribute to your success by offering maintenance and spearheading various PGAS User Group activities. Our team is committed to quickly and accurately address and resolve your issues and support your ongoing business practices. The PGAS Users Group meets twice annually to provide mutual support and ideas in getting the most out of PGAS. And EMS has the industry leading R&D program to develop new functionality in PGAS to meet the never-ending changes in regulatory, market, and technology requirements.

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PGAS 6.1 Benefits

As a user of PGAS 6.1, your organization will save money through improvements in lost and unaccounted for gas management and will easily respond to increasing demands for stringent corporate accountability standards and accurate gas measurement.

With PGAS 6.1's scalability, you gain the ability to handle virtually any measurement need - whether it's tens or tens of thousands of meters. PGAS 6.1 offers convenient query tools that allow users to accurately view and report measurement information, including:

- Flow computer and chart data processing;
- Data validation;
- Exception editing;
- Chart integration;
- Gas volume calculation (based on AGA standards);
- Physical gas balancing;
- Reporting;
- Meter test inspections.

Additional Special Features

- Task scheduler;
- Drill down viewer;
- Graphical editor;
- Flexible import process through XML;
- Data maintained by individual meters & stations;
- User configurable validation rules;
- Report packaging and distribution;
- EFM flow data editing;
- Reliable historical data storage with complete audit trail;
- Integration with TechTools meter test reports.

The leading companies in the United States gas industry, including major integrated companies and leading independents, trust PGAS to help manage their measurement of natural gas. It delivers the flexibility and precision they need.

TechTools

TechTools assists users in the field with the inspection and operation of natural gas measurement facilities by incorporating all the tools used in the field for gas measurement into a single application. TechTools is a laptop-based toolkit that provides an integrated set of software modules including:

- Meter Test, which provides the field technician with a method to electronically record the results of gas meter inspections.
- Meter Change, which provides the field technician with a method to electronically record field measurement equipment changes.
- Volume Calculator, which enables the technician to calculate natural gas volumes or other variables associated with gas measurement.
- Gas Quality Calculator, which enables the user to input lab analysis data and calculate associated variables such as heating value in BTUs, specific gravity, specific heat ratio, molecular weight, and GPM.
- Gas Loss Calculator, which enables the user to calculate gas volume loss associated with the maintenance and operation of a pipeline.
- Meter Test Scheduler, which provides a method for the technician to build and maintain the meter test schedules.

Using TechTools improves technician productivity by allowing the user to input data once and using it to perform numerous calculations in the same program. Integrating TechTools with PGAS promotes consistency and accuracy between field data and your measurement system. It also minimizes operator errors by pre-filling data fields from its database, eliminating re-keying from the field to the host office and automatically validating data.



PGAS is a Product of EMS Pipeline Services

EMS Pipeline Services is an established energy operations and maintenance services company with field specialists and technology professionals currently providing asset management, consulting, regulatory compliance, measurement, communications, and web-based data management to major pipelines, independent power producers, and oil and gas producers. In addition, EMS Pipeline Services owns the worldwide rights to PGAS and TechTools, which are the premier gas measurement and field services productivity software tools designed to meet the needs of the energy industry. PGAS and TechTools are currently in use by leading production, transmission, and distribution companies across the energy industry. EMS Pipeline Services is part of Energy Maintenance Services Group, a business development company focused on providing operations and maintenance services to three major segments of the energy industry – pipelines, power, and water facilities. For more information visit the Web site: www.emsglobal.net

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