

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 over 20 leading energy companies.



PGAS Features

PGAS Benefits

.NET Technical Architecture

PGAS	Competition	
+	-	· n-Tier Architecture
+	-	· Scalability mechanism through additional middle tier modules
+	-	· Microsoft SQL Server Support
+	-	· Load Balancing
+	-	· Distributed Objects
+	-	· Session Management
+	-	· Locking Management



· Lower total cost of ownership
· Initial investment supports maintenance upgrades
· Expandable - Supports business growth

Scalability

PGAS	Competition	
+	-	· Unlimited users
+	-	· Unlimited meters
+	-	· Load Balancing
+	-	· Unlimited Import Applications



· Supports business growth
· Supports multiple company operations

Sarbanes-Oxley Compliance

PGAS	Competition	
+	+	· Detailed audit trail
+	+	· Audit notes
+	+	· System operator events
+	?	· Multi-level security
+	-	· Encrypted stored procedures
+	-	· Enhanced SQL security features
+	-	· Separation of duties/security model support



· Compliance with federal regulations on corporate responsibility
· Supports best practices model for internal controls
· Compliance with AGA custody transfer requirements

Security

PGAS	Competition	
+	?	· Data-specific access
+	?	· Restrict user by company and/or station
+	-	· Control-specific permissions
+	+	· Window-specific permissions



· Security supports centralized and decentralized operating models
--

LNG Interchangeability & Gas Quality

PGAS	Competition	
+	-	· Ability to monitor Wobbe Index
+	-	· Ability to monitor Hydrocarbon Dew Point
+	-	· Provide data on real-time basis
+	-	· Historical trending & inputs to analysis



· Supports data transmission from LNG Terminal to Pipeline/LDC's
· Supports data transmission from wellhead to Pipeline/LDC's
· Supports Operators to "fix-the-problem" prior to gas send-out
· Supports federal regulatory compliance