

SI ERRATA PAGES (Errata **Highlighted**)

SEC 1 — Pages 27 through 30

SEC 6 — Pages 17 and 20

SEC 26 — All Pages

- RR-200** *Water Content of Sweet and Sour Gas Mixtures* — Matt Yarison, Kyoo Y. Song, Kenneth R. Cox, Dick Chronister, Walter G. Chapman. Rice University, Houston, Texas. Project 032. March, 2008
- RR-201** *Oxygen Removal in Natural Gas Systems* — Rosalind Jones, Ken McIntush, Charlie Wallace. Trimeric Corporation, Buda, Texas. Project 073. February, 2010
- RR-202** *Transport Properties of Aqueous Solutions of Ethylene Glycol or Triethylene Glycol in the Presence of Methane, Carbon Dioxide and Hydrogen Sulfide* — Heng-Joo Ng, Na Jia, Yuengsheng Cheng, Kurt A. G. Schmidt, Herlmut Schroeder. DBR Technology Center, Edmonton, Alberta, Canada. Project 061. September, 2009
- RR-203** *High Pressure Demethanizer Physical Properties* — Sven Horstmann, Andreas Grybat, Christian Ihmels, Kai Fischer. Laboratory for Thermophysical Properties GmbH — University of Oldenburg. Project 043. September, 2010
- RR-204** *Impact of Sulfur Species on Glycol Dehydration – Solubility Study of Certain Sulfur Species in Glycol Aqueous Solutions* — Waheed Afzal, Amir H. Mohammadi, Dominique Richon. ARMINES. Project 992-3. June, 2010
- RR-205** *Hydrates in High Inhibitor Concentration Systems* — A. Chapoy, B. Tohidi. Hydrafact Limited. Project 062-1. October, 2010
- RR-206** *Solubility of Hydrocarbons in Amine Solutions* — GPSA Data Book Project. Darryl Mamrosh, Kevin Fisher and Carrie Beitler, Trimeric, Buda, Texas. Project 975-5. October, 2011
- RR-207** *Vapor-Liquid Equilibrium Studies of Organic Sulfur Species in MDEA, DEA Aqueous Solutions* — Christophe Coquelet, Javeed A. Awan, Eric Boonaert, Alain Valtz, Pascal Théveneau and Dominique Richon. Project 037. April 2011
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- RR-209** *CO₂/H₂S Solubility in Glycol* — Darryl Mamrosh, Kevin Fisher and Carrie Beitler, Trimeric, Buda, Texas. Project 975-8. October, 2011
- RR-210** *Acid Gas Water Content* — GPSA Data Book Project — Walter Chapman and Kyoo Y. Song, Rice University, Houston, Texas. Project 975-6. October, 2011
- RR-211** *Hydrates in High Inhibitor Concentration Systems* — Bahman Tohidi, R. Burchgrass and Antonin Chapoy, Hydrafact, Edinburgh, UK. Project 062-1 Part 2. October, 2011
- RR-212** *Glycol Systems With Impurities* — Christian Ihmels, Sarah Thiede, Sven Horstmann, and Andreas Grybat, LTP GmbH Oldenburg, Oldenburg, Germany. Project 031. October, 2011
- RR-213** *Practical Hydrocarbon Dew Point Specification for Natural Gas Transmission Lines* — Jerry A. Bullin and Karl Fitz, Bryan Research and Engineering, Bryan, Texas. Todd Dustman, Questar Pipeline Company, Salt Lake City, Utah. Project 081. March, 2011
- RR-214** *Solubility of Non-Aromatic Hydrocarbons in TEG Solutions* — Sven Horstmann, Christian Ihmels, and Andreas Grybat, LTP GmbH. Project 083. December, 2011
- RR-215** *Equilibrium Data (SLE and VLE) for Heavy and Light Hydrocarbons at Cryogenic Temperatures* — Louis V. Jasperson, Rubin J. McDougal and Grant M. Wilson, Wiltec Research Co., Inc., Provo, Utah, Project 035, June, 2014
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- RR-218** *Loaded Amine Transport Properties* — Christian Ihmels, Sarah Thiede, Sven Horstmann, and Andreas Grybat, Oldenburg, Germany. Project 061-2. March, 2013
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- RR-223** *Freeze Valve Water Content in LPG Systems* — Todd Willman, Andrew Eckles and Dr. Kenneth R. Hall, National Thermodynamic Laboratory Inc., Galveston, Texas; Bob Franklin, Susan Brandon and Lesong Yan, Airgas Specialty Gas, Houston, Texas, Project 085, June, 2014
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- RR-227** *Organic Sulfur Species Distribution in Glycols and Amines* — Carrie Beitler and Darryl Mamrosh, Trimeric Corp., Buda, Texas. Project 975-10(1). December, 2015.
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- RR-230** *Impact of Aromatics on Acid Gas Injection* — Martha Hajiw, Eric Boonaert, Alain Valtz, Elise El Ahmar, Antonin Chapoy, and Christophe Coquelet, Mines ParisTech, Armines, PSL Research University, Paris France; and Heriot Watt University, Edinburgh, United Kingdom. Project 082. May, 2016.
- RR-231** *Propane-Water-Methanol Mutual Solubilities & Freeze Protection* — Dr. Andreas Grybat, Dr. Sven Horstmann, and Dr. Christian Ihmels, LTP (Laboratory for Thermophysical Properties) GmbH, Associate Institute of Oldenburg, Oldenburg, Germany. Project 084. October, 2016.
- RR-232** *State-Of-The-Art Review of Mercaptan Removal Technologies* — Paul Roberts, WorleyParsons, London, United Kingdom. Project 152. October, 2016.

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- TP-2** *Liquid Densities of High-Ethane Raw Make Streams* — T. K. Provence, Jr., Mobil Pipe Line Co., L. D. Wiener and D. K. Walton, Mobil Research & Development Corp., Dallas, Texas.
- TP-3** *A Model for the Precise Calculation of Liquefied Natural Gas Densities* — M. A. Albright, Phillips Petroleum Co., Bartlesville, Oklahoma.
- TP-4** *Low-Temperature Data from Rice University for Vapor-Liquid and P-V-T Behavior* — R. Kobayashi, P.S. Chappellear and T. W. Leland, Rice University, Houston, Texas.
- TP-5** *Relation of Liquid-Liquid Equilibrium Behavior at Low Temperatures to Vapor-Liquid Equilibria Behavior at High Temperatures and Elevated Pressures* — S. C. Hwang, Y. Lin and R. Kobayashi, Rice University and S.W. Hopke, Exxon Production Research Co., Houston, Texas.
- TP-6** *Experimentally Based Thermodynamic Properties of Propane* — V. L. Bhirud and J. E. Powers, University of Michigan, Ann Arbor, Michigan.
- TP-7** *Excess Enthalpy Experimental Data, Binary Systems: Water-Hydrogen, Water-Methane, Water-Nitrogen, Water-Argon* — C. J. Wormald, C. N. Colling, University of Bristol, Bristol, England.
- TP-8** *The Solubility of Carbon Dioxide in Propylene Carbonate at Elevated Pressures and Higher Than Ambient Temperatures* — P.D. Mantor, O.Abib, Jr., K.Y. Song and R. Kobayashi, Rice University, Houston, Texas.
- TP-9** *The Water Content and the Solubility of CO₂ in Equilibrium with DEG-Water and TEG-Water Solutions at Feasible Absorption Conditions* — S. Takahashi and R. Kobayashi, Rice University, Houston, Texas.
- TP-10** *Hydrate Decomposition Conditions in the System Hydrogen Sulfide, Methane and Propane* — J. P. Schroeter and R. Kobayashi, Rice University and H. A. Hildebrand, Exxon Production Research Co., Houston, Texas.
- TP-11** *Vapor-Liquid-Equilibria Study of Light Gases in Hydrogen-Coal Liquid Model Compound Systems* — T. Kragas and R. Kobayashi, Rice University, Houston, Texas.
- TP-12** *Liquid Densities of Ethane-Propane Mixtures* — W.R. Parrish, Phillips Petroleum Co., Bartlesville, Oklahoma.
- TP-13** *Experimental Orifice Meter Studies* — R. G. Teyssandier, Z. D. Husian and M. F. Zendan, Daniel Industries, Inc., Houston, Texas.
- TP-14** *Energy Functions for Gaseous CO₂-H₂O Mixtures* — M.R. Patel, J.C. Holste, K.R. Hall and P.T. Eubank, Texas A & M University, College Station, Texas.
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- TP-17** *Table of Physical Properties of Hydrocarbons for Extended Analysis of Natural Gases* — B. E. Gammon, Thermodynamic Research Center, Texas A & M University, College Station, Texas.
- TP-18** *GPA Experimental Enthalpy Values Referred to Two Base Levels from Excess Enthalpy Data* — P.S. Chappellear, Houston, Texas.
- TP-19** *Vapor-Solid Equilibrium Ratios for Structure I and Structure II Natural Gas Hydrates* — S.L. Mann, Mobil Oil Corp., L.M. McClure, Columbus Energy Corp., E.D. Sloan and F.H. Poettmann, Colorado School of Mines.
- TP-20** *Effect of Ammonia on LP-Gas Odorant* — J.W. Goetzinger and D.L. Ripley, National Institute for Petroleum Energy Research, Bartlesville, Oklahoma.
- TP-21** *Trace Contaminants in Natural Gas Liquids* — GPA Technical Section C, Product Specifications, Tulsa, Oklahoma.
- TP-22** *K-Value Charts, GPSA Engineering Data Book Revised 10th Edition*, Gas Processors Suppliers Association, Tulsa, Oklahoma.
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- TP-25** *Temperature Correction for the Volume of Light Hydrocarbons, Tables 24E and 23E* — A joint publication of API, ASTM, and GPA.
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- ASHRAE** **American Society of Heating, Refrigerating & Air-Conditioning Engineers**
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- ASME** **American Society of Mechanical Engineers**
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NFPA National Fire Protection Association
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ment limits potential quantity of liquid and potential fire damage to equipment in the area.

Many codes, standards, and specifications regulate the location, design, and installation of storage tanks depending on their end use. Selecting the proper specification and providing adequate fire protection for the installation may allow lower insurance rates over the life of the installation. A partial list of applicable codes, standards, and specifications can be found at the end of this section. NFPA 30 applies for safe distances and spacing of storage tanks, as well as the design of the safety containment system.

Grounding

Metallic storage tanks used to store flammable liquids should be grounded to minimize the possibilities of an explosion or fire due to lightning or static electricity.

CATHODIC PROTECTION

Cathodic protection can be applied to control corrosion that is electrochemical in nature where direct current is discharged from the surface area of a metal (the anodic area) through an electrolyte. Cathodic protection reduces corrosion of a metal surface by using a direct current from an external source to oppose the discharge of metal immersed in a conducting medium or electrolyte such as soil, water, etc.

The bottom sides of most atmospheric tanks are not coated and presents a significant corrosion risk. Either sacrificial anodes buried beneath the tank or an impressed current system is required to prevent corrosion of the tank floor.

EMISSIONS

Vapor Losses

Vapors emitted from the vents and/or relief valves of a storage vessel are generated in four ways:

- Vapors that are forced out of the tank during filling operations (Displacement).
- Vapors that are generated by vaporization of the liquid stored in the tank (Flashing).
- Vapors that are generated in the system piping feeding the tank (high point elevations, or vapor carry-under from upstream vessels) (System).
- Vapors that are generated through ambient variations in temperature/pressure (Breathing).

A vapor recovery system should be sized to handle the total vapor from these two sources.

Displacement losses — Vapors that are forced out of the tank are generally called displacement losses. A storage tank is generally not pumped completely dry when emptied. The vapor above the remaining liquid in the tank will expand to fill the void space at the vapor pressure of the liquid stored in the tank at storage temperature. As the tank is filled, the vapors are compressed into a smaller void space until the set pressure on the vent/relief system is reached. There are also some filling losses that are associated with the expansion of the liquid into the tank. Fig. 6-20 provides a graphical approach to estimating the filling losses as a percentage of the liquid being pumped into the tank.

Vaporization or flashing losses — This type of loss is characterized as the vapors generated by heat gain through the shell, bottom, and roof. The total heat input is the algebraic sum of the radiant, conductive, and convective heat transfer. This type of loss is especially prevalent where light hydrocarbon liquids are stored in full pressure or refrigerated storage. This is less prevalent but still quite common in crude oil and finished product storage tanks. These vapors may be recovered by the use of a vapor recovery system.

System losses — Quantifying the impacts of vapor formation upstream of the tank requires consideration of the detailed pressure profile in the piping to the tank. Often times, the control valve feeding the tank on a single circuit should be placed near the tank. At no point between the tank and the control valve shall the piping exceed an elevation of the low liquid level in the vessel where the static head could cause the fluid to go below the vapor pressure of the fluid.

Breathing losses — Usually due to ambient variations leading to either; flashing/condensation of the product itself or expansion / contraction of the vapor space above the fluid. This is usually only a consideration in large atmospheric tanks (API-650).

To calculate vaporization in tanks, sum up the effects of radiant, conductive, and convective heat inputs to the tank. Approximate vapor losses in kg/s can then be calculated by dividing the total heat input by the latent heat of vaporization of the product at the fluid temperature.

EPA-AP42 provides a specific process to establish the vapor rate for regulated, atmospheric tanks storing toxic and hazardous air pollutants.

Liquid equivalents of tank vapors — The following procedure may be followed to calculate the liquid equivalent of vapor volumes above stored LP-gas liquids:

General Approach

Data Required:

1. Liquid product composition in mole % or mole fraction.
2. Temperature and pressure of the product from which the liquid sample was obtained.
3. Vapor-liquid equilibrium K values at an assumed 6900 kPa (abs) convergence pressure (see Section 25).

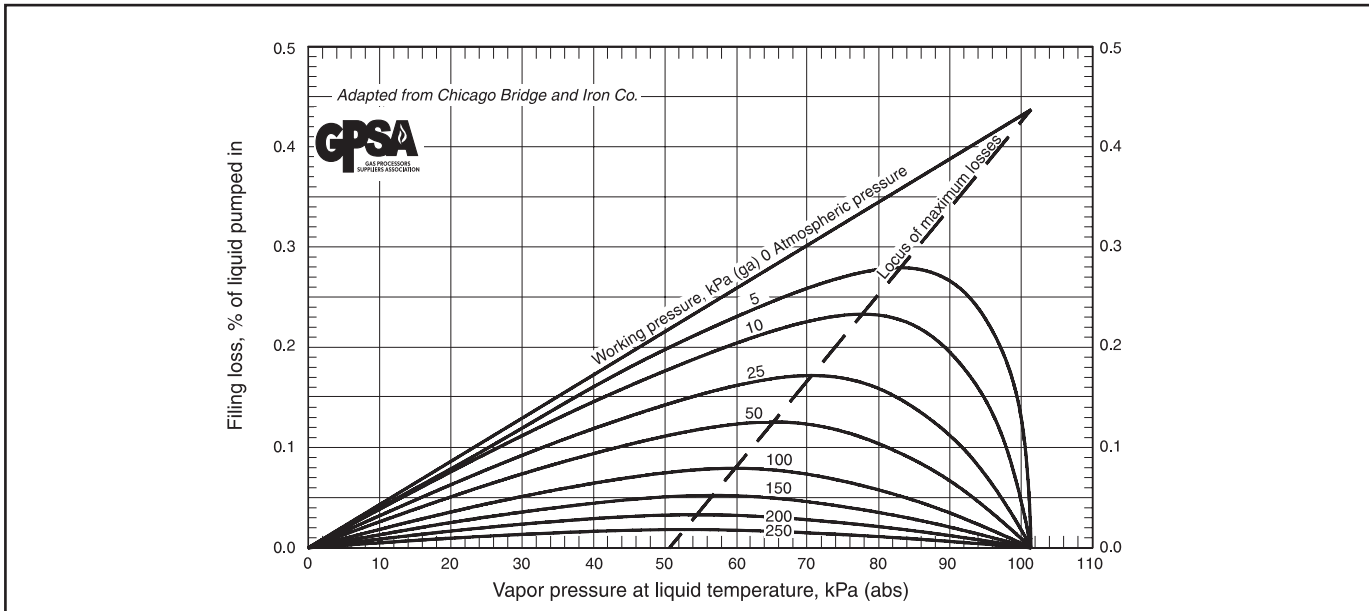
Calculation Procedure:

1. With the liquid product composition, calculate the bubble point pressures of the product at assumed temperatures: i.e., 15 °C, 27 °C. From the bubble point calculations, a vapor pressure chart can be made for this specific product composition.
2. From the bubble point calculation in (1), the product vapor composition can be obtained: i.e.,

$$\sum (y_i) = \sum (K_i x_i) = 1.0 \quad \text{Eq 6-4}$$

3. Calculate the compressibility factor for the vapor by either (a) or (b).
 - a. Compressibility factor charts, Section 23. Pseudo-critical and pseudoreduced temperatures and pressures must be calculated to obtain a compressibility factor.
 - b. Equations of state.

FIG. 6-20
Filling Losses from Storage Containers



4. Calculate the total number of moles of vapor for volume V, by using the modified ideal-gas equation:

$$PV = n_g ZRT, n_g = PV/ZRT = \text{total moles vapor} \quad \text{Eq 6-5}$$

5. Calculate the cubic meters of liquid equivalent in the vapor phase by multiplying the total number of moles of vapor by the mole fraction of each component by the $m^3/mole$ factors for that component from Fig. 23-2.

$$\sum [n_g (y_i) (m^3/mole)_i] = 15 \text{ }^\circ\text{C cubic meters in vapor phase} \quad \text{Eq 6-6}$$

Example 6-4 — Determine three points of data used to plot Fig. 6-20.

1. Calculate composition of vapor at the three data points.

	Liquid C_3 Composition	Bubble-point pressures					
		-18 °C, 290 kPa (abs)		15 °C, 785 kPa (abs)		49 °C, 1758 kPa (abs)	
		x	K	y	K	y	K
C_2	0.03	4.35	0.1305	3.15	0.0945	2.55	0.0765
C_3	0.95	0.909	0.8633	0.945	0.8975	0.962	0.9136
iC_4	0.02	0.309	0.0062	0.398	0.0080	0.493	0.0099
	1.00		1.0000		1.0000		1.0000

2. Determine compressibility factor at the three points.

Vapor	42.353	42.884	43.163
Average MW, $\sum (y_i MW_i)$			
Pseudo T_c , K	362	364	366
Pseudo P_c , kPa (abs)	4330	4302	4289
T_R	0.707	0.794	0.881
P_R	0.067	0.183	0.410
Z (Section 23)	0.913	0.855	0.730

3. Calculate moles of vapor per 3785 dm^3 of vapor.

$$n_g = \frac{PV}{ZRT} \quad \text{and } n_i = (n_g y_i)$$

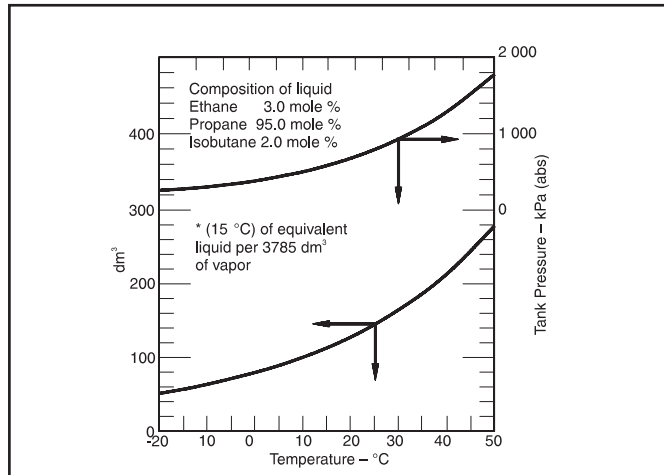
$$V = 3785 \text{ } dm^3$$

$+n_i$, kmols	C_2	0.0738	0.1369	0.2604
	C_3	0.4879	1.3006	3.1097
	iC_4	0.0035	0.0116	0.0337
$n_g = \sum n_i$		0.5652	1.4491	3.4038

4. Calculate liquid equivalent cubic meters (15 °C) per 3785 dm^3 vapor.

	$m^3/kmol$			
C_2	0.0841	0.0062	0.0115	0.0219
C_3	0.0869	0.0424	0.1130	0.2702
iC_4	0.1032	0.0003	0.0012	0.0035
Liquid equivalent, m^3		0.0489	0.1257	0.2956

FIG. 6-21
Liquid Equivalent of Tank Vapor



Suggested Simplified Approach

By using a typical product analysis, calculations can be made as outlined above, and from these calculations (see **example 6-4**) vapor pressure and dm^3 equivalent charts can be drawn as shown in Fig. 6-21. A convenient unit of vapor space volume should be used, such as 4 m^3 .

Vapor Recovery Systems

Vapor recovery systems are generally used to prevent pollution of the environment and to recover valuable product. EPA AP-42 may have additional specific requirements for pollutants (HAPs) to be considered under MTSA (Maritime Transportation Security Act 2002) and US 40 CFR 60, Subpart OOOO 154 — Facilities Transferring Oil or Hazardous Material in Bulk. In addition, there are emission limits on VOC, and BTEX (benzene, toluene, ethylbenzene, and xylene) compounds. Three basic types of vapor recovery systems may be encountered. One is designed to gather toxic wastes or a low value hydrocarbon stream (for example vapors from crude oil storage) that do not warrant full recovery. In this type system, the vapors are generally gathered and incinerated. If incineration will not meet government disposal standards, the vapors are generally compressed and condensed into a liquid and sent to a liquid disposal system.

The vapor recovery systems that are typically used with refrigerated storage tanks are generally integrated with the product refrigeration systems. In these types of systems, the vapors are generally compressed, condensed, and put back into the tank with the fill stream.

Vapor recovery systems on atmospheric pressure, ambient temperature storage tanks do not normally require a refrigeration system to condense the vapors. They are generally compressed through one stage of compression, condensed in either an air cooled or water cooled exchanger, and then put back into the tank. Fig. 6-22 provides the flow schematic of this system.

In these systems the resulting natural gas stream is typically compressed and sent to a pipeline (or recycled in the facility depending upon location). If these options are not available, then the remaining vapor stream will be combusted or used for fuel.

A popular option to atmospheric storage tanks is an inclusion of a Vapor Recovery Tower (VRT) immediately upstream of the tanks, so that any vapor formed from the upstream equipment or within the piping, is captured before entering the tanks, and proceeds to a vapor recovery system or vapor collection header. This also prevents hydrocarbon vapors from entering the vapor space of the storage tank minimizing the potential for a hydrocarbon/air mixture in the tanks. This reduces the amount of vapor experienced through the actual storage tanks, and has the potential to reduce emissions and be in better compliance with environmental regulations than letting all the vapors continue to the tanks.

Tank Blanketing Systems

Tank blanketing may be required to prevent the ingress of air (and oxygen) into the stored products, such as the case with specialty chemicals such as amines. The use of steam, natural gas (methane) or nitrogen are common blanketing mediums that may be used depending on the process.

In some pressurized tank storage it may be necessary to provide a source of vapor to replace the displaced volume (during unloading) to maintain adequate vessel pressure and NPSH on the downstream pumping equipment.

Both vapor recovery and tank blanketing systems need to be designed with proper sizing to accommodate tank filling and pumpout operations, and must operate both:

- Efficiently, i.e., blanket gas systems are not creating undue load on the vapor recovery system
- Safely, i.e., vapor recovery and tank blanketing systems will not lead to an under or overpressure condition on the tank leading to rupture and loss of containment.

LIQUID STORAGE

Desirability of Large Units

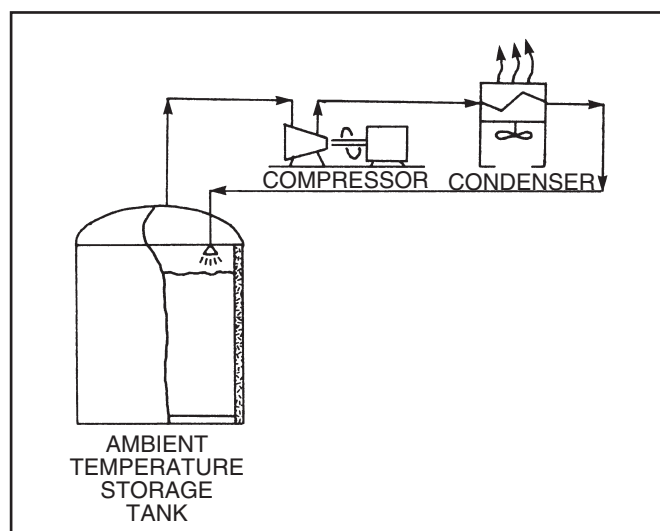
Depending upon the storage requirements of the facility, large storage units may be required. One option is to provide multiple storage bullets or tank batteries.

Detailed hydraulic evaluations should be conducted to ensure that symmetrical flow to each tank when multiple tanks or bullets in parallel are being filled. The main trunk line feeding all tanks should be larger than the individual lines to each tank. A good rule of thumb is that the pressure drop in the trunk line where full flow is experienced shall be about 1/10th of the pressure drop in the laterals to each tank. If this is not possible due to other limitations, inclusion of restriction orifices to regulate flow to each tank should be considered. An equalizing line on the back end of the tanks to other destinations is usually relied upon, but are often under-sized. The same considerations should be made for the liquid lines for emptying the vessel, if different piping connections are used for this purpose.

When filling bullets or tanks simultaneously in parallel, the consideration of vaporization in the piping before entering the tanks should be considered. For example, if filling horizontal bullets from an underground header, and a truck is off-loading higher vapor pressure material into the bullets than what is currently stored in the bullets, then vaporization in the header feeding the bullets can occur. If the header underground has a simple riser to each tank, then the vapors will preferentially go to the first riser experienced in the piping network, and the vapors will flow primarily to the first tank being filled. There-

FIG. 6-22

Ambient Temperature Vapor Recovery Cycle



fore, design of the main header should consider horizontal or bottom-tees off the header to each tank to promote better distribution of the vapor/liquid mixture to tanks. Vapor equalizing lines between the tanks may be considered for unequal vapor flow to each tank. This may require oversizing the vapor lines as compared to the expected operation of the vessel receiving equal amounts of liquid and vapor.

Consideration in the layout of piping systems for tank farms with multiple products, will need to consider operational flexibility. For example a tank that is currently being used to store gasoline, may be needed to be taken out of service for extended maintenance, so a different tank will be required to handle that product during an interim period. This generates complex valve headers that must be properly isolated to prevent overfilling situations and product mixing. It is not uncommon to utilize double isolation valves, such as expanding gate, or expanding plug valves in critical specification applications.

The Hortonsphere vessel permits the storage of a large volume in one unit with only one set of pipe connections and fittings. This can be advantageous as compared to providing multiple vessels and piping connections. A battery of cylindrical tanks will generally occupy about four times more ground space than the same volume of storage in a Hortonsphere vessel. This factor is an important consideration in many locations where land values are high and space is at a premium.

The Hortonsphere vessel has less surface area for a given capacity than a container of any other shape. It is also true that the larger it is, the less its surface area per unit of volume. For these reasons, the liquid stored in a Hortonsphere vessel of large capacity changes temperature more slowly than in small vessels. Since the required operating pressure is a function of the temperature, the internal pressure in a large Hortonsphere vessel for liquid storage is less likely to exceed the setting of the relief valve during short periods of extremely hot weather. A large Hortonsphere vessel is, therefore, more efficient in preventing loss of vapors from a given volatile liquid than a smaller one designed for the same working pressure.

The larger units of storage are also more desirable because the cost per unit of capacity is less. Having less surface area, they provide a structure that is more economical to paint and maintain. The cost of insulation, when required, is also lower per barrel of capacity.

Hortonsphere vessels for liquid storage are commonly built in the capacities shown in Fig. 6-23. Intermediate or larger sizes and pressures can be supplied if desired.

Gauging Tables

A gauging table defines the non-linear relationship between level and contained volume. Tables can be furnished for any vessel to compensate for shape (Spheres and Bullets) and fabrication inconsistencies (Large crude tanks).

Gauging tables are of specific importance when performing custody measurements based on liquid level variations, in which case the gauging table is usually verified by a third party and "proving meter".

PARTIAL VOLUMES IN STORAGE TANKS

The volume or size of a storage tank is determined by the configuration of the tank that is used (horizontal or vertical cylinder, sphere, rectangle). Each configuration uses different formulas for determining the total and partial volumes. Figs. 6-24 through 6-30 can be used to determine total and partial volumes in most common storage tanks.

FIG. 6-23

Hortonsphere Vessels for Liquid Storage

Capacity (m ³)	Diameter (m)	ASME VIII Division 1 Pressure (kgf/cm ²)	ASME VIII Division 2 Pressure (kgf/cm ²)	Inside Surface Area (m ²)
500	9.85	18.51	26.22	305
750	11.27	16.03	22.78	399
1000	12.41	14.46	20.59	484
1250	13.37	13.33	19.02	561
1500	14.20	12.46	17.82	634
1750	14.95	11.76	16.86	702
2000	15.63	11.18	16.06	768
2500	16.84	10.26	14.79	891
3000	17.89	9.55	13.81	1006
4000	19.69	8.50	12.38	1219
5000	21.22	7.74	11.34	1414
6000	22.55	7.16	10.54	1597
7000	23.73	6.68	9.90	1770
8000	24.81	6.28	9.36	1934

SECTION 26

Members

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The following is a listing of the members of GPSA. Please contact them directly for further information. Behind this listing of members, the GPSA companies are classified by the type of services and supplies that they provide to the industry. Services begin on page 26-15; Supplies begin on page 26-27.

Company & Address	Phone
Accelerated Process Systems 24310 Tomball Parkway Tomball, TX 77375 http://www.acceleratedps.com	281-351-5999
Accurate Gas Products LLC 116 Board Road Lafayette, LA 70508 http://www.accurategasllc.com	337-269-1217
Accurate Lab Audits, LLC 302 N. Coreil Street - P.O. Box 248 Ville Platte, LA 70586 http://www.accuratelabaudits.com	337-280-1003
ACI Services, Inc. 125 Steubenville Ave. Cambridge, OH 43725 http://www.aciservicesinc.com	740-435-0240
Adsorption Technical Service, LLC 15138 Windsdowne Lane Cypress, TX 77429	281-256-0868
AECOM 6200 S. Quebec St. Greenwood Village, CO 80111 http://www.aecom.com	303-694-2770
Aeon PEC 811 E. Plano Pkwy, Suite 103 Plano, TX 75074 http://www.aeonPEC.com	214-679-9979
AEREON 16310 Bratton Lane, Bldg 3, # 350 Austin, TX 78728 http://www.aereon.com	713-304-8387
Aether DBS 10810 E. 45th St., Suite 202 Tulsa, OK 74146 http://www.aetherdbs.com	918-250-6601

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AF Global 11311 Holderrieth Rd. Tomball, TX 77375 http://www.afglobalcorp.com	713-454-3753
Afton Pumps, Inc. 7335 Ave. No. Houston, TX 77011 http://www.aftonpumps.com	713-923-9731
Aggreko LLC 3732 Magnolia Street Pearland, TX 77584 http://www.aggreko.com	281-228-2012
Agile Process Solutions, LLC P.O. Box 61447 Midland, TX 79711 http://www.agileprocesssolutions.com	432-570-4200
Airgas 9810 Bay Area Blvd. Pasadena, TX 77507 http://www.airgas.com	866-935-3370
Alfa Laval Niagara 91 Sawyer Ave. Tonawanda, NY 14150 http://www.niagarablowner.com	716-875-2000
Allied Equipment, Inc. 8000 N. Golder Ave. Odessa, TX 79764 http://www.alliedeq.com	432-367-6000
Alpine Site Services 10875 Dover St., Unit 1100 Westminster, CO 80021 http://www.alpinesites.com	303-420-0048
AMACS Process Tower Internals 14211 Industry Street Houston, TX 77053 http://www.amacs.com	713-434-0934

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American Mobile Research P.O. Box 2909 Casper, WY 82602 http://www.amri-lab.com	307-235-4590
Amspec 3800 Highway 225 Pasadena, TX 77503 http://www.amspecgroup.com	713-330-1000
Analytical Systems Keco 9215 Solon Rd., Suite A4 Houston, TX 77064 http://www.liquidgasanalyzers.com	281-516-3950
Anguil Environmental Systems 8855 N. 55th St. Milwaukee, WI 53223 http://www.anguil.com	414-365-6400
Anvil Corporation 1675 W. Bakerview Road Bellingham, WA 98226 http://www.anvilcorp.com	360-937-0550
APT Laboratory Services 5530 Marshall Street Arvada, CO 80002 http://www.airtest.net	303-420-5949
Aqseptence Group, Inc. 1950 Old Hwy 8 NW New Brighton, MN 55112 http://www.johnsonscreens.com	651-636-3900
ARC Energy Equipment 4710 Cameron St Lafayette, LA 70506 http://www.arcenergyequipment.com	337-852-1105
Archrock, Inc. 16666 Northchase Dr. Houston, TX 77060 http://www.archrock.com	281-836-8492
Ariel Corporation 35 Blackjack Road Mt. Vernon, OH 43050 http://www.arielcorp.com	740-397-0311
Aspen Technology, Inc. 20 Crosby Drive Bedford, MA 01730 http://www.aspentech.com	781-221-6400
Atlas Copco Gas and Process 3037 Industrial Parkway Santa Maria, CA 93455 http://www.atlascopco-gap.com	805-928-5757
Audubon 10205 Westheimer, Suite 100 Houston, TX 77042 http://www.auduboncompanies.com	713-452-3086
AXH Air-Coolers 2230 E. 49th Street Tulsa, OK 74105 http://www.axh.com	918-283-9200
Axip Energy Services 1301 McKinney, Suite 900 Houston, TX 77010 http://www.axip.com	832-294-6556
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BAIR 601 Lonesome Prairie Trail Haslet, TX 76052 http://www.bairquality.com	817-614-7495
Barry D. Payne & Associates, Inc. 10707 Corporate Dr., #222 Stafford, TX 77477 http://www.bdpayne.com	281-240-4488
Bartlett & West 544 Columbia Dr. Lawrence, KS 66049 http://www.bartwest.com	785-228-3360
Bartlett Equipment Co. 4951 S Mingo Rd Tulsa, OK 74146 http://www.bartlettequipment.com	918-627-7040
BASF Corp. 1111 Bagby Street, Suite 2600 Houston, TX 77002 http://www.basf.com	713-759-3024
BCCK Engineering, Inc. 2500 N. Big Spring Midland, TX 79705 http://www.bcck.com	432-685-6095
Bechtel 3000 Post Oak Boulevard Houston, TX 77056 http://www.bechtel.com	713-235-2000
Benham, a Haskell Company One West Third, Suite 200 Tulsa, OK 74103 https://www.benham.com	918-492-1600
Bennett Construction, Inc. P.O. Box 1377 Beaver, OK 73932 http://www.bennettconstruction.net	580-651-5413
Bexar Energy Holdings, Inc. 111 Soledad, Suite 830 San Antonio, TX 78205 http://www.bexarenergy.com	210-342-7106
BFX Fabrication, LLC 13465 Midway Road, Suite 300 Dallas, TX 75244	469-374-5368
BHS-Sonthofen Inc. 14300 South Lakes Drive Charlotte, NC 28273 http://www.bhs-filtration.com	704-814-7661
Bilfinger Westcon Inc. P.O. Box 1735 Bismarck, ND 58502 http://www.westconindustries.com	701-222-0076
Black & Veatch Corp. 4400 Post Oak Pkwy Suite 1200 Houston, TX 77027 http://www.bv.com/oil-gas	713-961-1100
Block Engineering 377 Simarano Dr. Marlborough, MA 01752 http://www.blockeng.com	508-251-3110

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Boardman LLC 1135 S. McKinley Ave. Oklahoma City, OK 73108 http://www.boardmaninc.com	405-634-5434
Bold Production Services, LLC 10880-A Alcott Drive Houston, TX 77043 http://www.bps-llc.com	832-320-2629
Boots & Coots 7047 W. Greens Rd Houston, TX 77066 http://www.halliburton.com/en-US/ps/project-management/well-control-prevention/well-control-prevention-services.page?node-id=h8cyv994	832-693-8381
Bowden Construction Co. Ltd. P.O. Box 12308 Odessa, TX 79768 http://www.bowdenconstruction.com	432-366-8877
Brown & Gay Engineers, Inc. 2595 Dallas Parkway, Suite 204 Frisco, TX 75034 http://www.browngay.com	972-464-4837
Bryan Research & Engineering, Inc. P.O. Box 4747 Bryan, TX 77805 http://www.bre.com/	979-776-5220
Buffalo Gap Instrumentation & Electrical 325 N. West Street Buffalo Gap, TX 79508 http://www.bgie.net	325-572-3389
Burns & McDonnell 9400 Ward Parkway Kansas City, MO 64114 http://www.burnsmcd.com/	816-627-6095
BWFS Industries, LLC 5637 Etheline Houston, TX 77039 http://www.bwfsindustries.com	281-590-9391
C.R.C. Consulting P.O. Box 736 Perryton, TX 79070 http://www.crc-consulting.com	806-435-3418
C3 Resources, LLC 8556 Katy Freeway, Suite 103 Houston, TX 77024 http://www.c3resources.com	713-476-9958
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Cameron, A Schlumberger Company 3250 Briarpark Drive, Suite 300 Houston, TX 77042 http://www.cameron.slb.com	713-249-5802
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Caterpillar Inc. 10203 Sam Houston Park Drive, Suite 400 Houston, TX 77064 http://www.cat.com	713-329-2207
CB&I Randall Gas Technologies 2103 Research Forest Drive The Woodlands, TX 77380 http://www.cbi.com	832-513-1366
CDI Engineering 11200 Richmond Avenue, Suite 500 Houston, TX 77082 http://www.cdicorp.com	
CDM Resource Management LLC 20405 Tomball Parkway, Suite 700 Houston, TX 77070 http://www.cdmr.com	281-376-2980
CECA Molecular Sieves/Arkema Inc. 900 First Avenue King of Prussia, PA 19406 http://www.arkema.com	410-424-0220
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Champion Process, Inc. 5171 Ashley Court Houston, TX 77041 http://championprocess.com	281-953-9010
Chart Industries 8665 New Trails Drive, Suite 100 The Woodlands, TX 77381 http://www.chart-ec.com	281-364-8700
Chemical Products Industries, Inc. 7649 SW 34th St. Oklahoma City, OK 73179 http://www.chemicalproductsokc.com	405-745-2070
ChemTreat, Inc. 12915 Blueberry Hill Willis, TX 77318 http://www.chemtreat.com	352-406-4065
Cheniere Energy 700 Milam St., Suite 1900 Houston, TX 77002 http://www.cheniere.com	713-375-5000
Chiyoda Corp. Minatomirai Grand Central Tower 4-6-2, Minatomirai, Nishi-ku Yokohama, 220-8765, JP https://www.chiyoda-corp.com/en/	81-45-225-7601 Ext 2
Chromatic Industries 15B S. Trade Center Pkwy. Conroe, TX 77385 http://www.chromaticindustries.com	936-539-5770
CI Valves & Actuation 1619 E. Richey Rd. Houston, TX 77073 http://www.ciaction.com	281-209-3800

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Coastal Chemical Co., LLC 307 Memorial Street Kilgore, TX 75662 http://www.coastalchem.com	903-984-5005
Coastal Flow Measurement, Inc. 2222 Bay Area Blvd., Suite 200 Houston, TX 77058 http://www.coastalflow.com	281-282-0622
Comal Energy Services L.P. 1450 W. Grand Parkway S. Katy, TX 77494 http://www.comalenergyservices.com	713-898-5559
COMPRESSORtech 12777 Jones Road, Suite 225 Houston, TX 77070 http://www.compressortech2.com	281-890-5310
Condit Co. 7255 E 46th St. Tulsa, OK 74145 http://www.conditcompany.com	918-663-5310
Connelly-GPM, Inc. 3154 S. California Ave. Chicago, IL 60608	312-247-7237
Contek Solutions LLC 6221 Chapel Hill Blvd., Ste. 300 Plano, TX 75093 http://www.contekllc.com	469-467-8296
Corpac Steel Products Corp. 20803 Biscayne Blvd., Suite 502 Aventura, FL 33180 http://www.corpacsteel.com	305-918-0444
Crevier Process Consulting Box 26839 Adliya, Muharaq, BH	97316010438
Crossfire, LLC 820 Airport Road Durango, CO 81303 http://www.crossfire-llc.com	970-884-4869
CryoSys 11767 Katy Freeway, Suite 700 Houston, TX 77079 http://www.cryosys.net	832-899-4999
CSI Compressco LP P.O. Box 60760 Midland, TX 79711 http://www.csicompressco.com	432-563-1170
Cummins Inc. 19410 Forest Timbers Ct. Humble, TX 77346 http://www.cumminsoilandgas.com	713-805-4571
D'Agostaro Energy Measurement Services 1357 Deer Ridge Drive League City, TX 77573	832-385-3612
DanCar Energy Construction 300 Bo Gibbs Blvd Glen Rose, TX 76043 http://www.dancargroup.com	214-878-8190

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DCG Partnership 1, Ltd. 4170A S. Main Pearland, TX 77581	281-648-1894
Dew Point Control, LLC P.O. Box 18887 Sugar Land, TX 77496 http://www.dewpointcontrol.com	281-265-0101
Dexter ATC Field Services, LLC 5550 Eastex Fwy, Suite G Beaumont, TX 77708 http://www.dexterfs.com	409-838-4800
Diablo Analytical, Inc. 5141 Lone Tree Way Antioch, CA 94531 http://www.diabloanalytical.com	925-755-1005
Dickson Process Systems, Ltd. P.O. Box 60478 Midland, TX 79711 http://www.dicksonprocess.com	432-561-8594
Dixie Electric, LLC 701 Tradewinds Blvd Midland, TX 79707 http://www.dixieelectric.com	512-796-3905
Dollahon PR 10702 E. 11th St. Tulsa, OK 74128 http://www.dollahonpr.com	918-894-4455
Dresser-Rand Co. 10205 Westheimer Rd. Suite 1000 Houston, TX 77042 http://www.dresser-rand.com	713-935-3422
DXP PumpWorks 8885 Monroe Houston, TX 77061 http://www.pumpworks.com	713-956-2002
Eagle LNG Partners LLC 20445 State Hwy 249, Suite 250 Houston, TX 77070 http://www.ferus.com	832-731-8851
Eaton 3413 N. Sam Houston Pkwy, Suite 212 Houston, TX 77086 http://www.eaton.com	713-209-8881
Eaton Metal Products Company, LLC 4800 York Street Denver, CO 80504 http://www.eatonmetal.com	303-296-5723
Echo Group, Ltd. P.O. Box 1915 Nederland, TX 77627 http://www.echogroupllc.net	409-724-1512
EDG, Inc. 10777 Westheimer Rd., #700 Houston, TX 77042 http://www.edg.net	713-977-2347
Edgen Murray 10151 Robin Hill Ln. Dallas, TX 75238 http://www.edgenmurray.com	713-268-7280
Element Materials Technology 2120 West Willow Scott, LA 70583	337-232-3568

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EMD, Inc. 1411 Twin Oaks Wichita Falls, TX 76302 http://www.emdinc.com	940-322-2206
Emerson 11502 Del Monte Houston, TX 77077 http://www.emerson.com	512-466-5968
Empact Analytical Systems, Inc. 365 S. Main Street Brighton, CO 80601 http://www.empactanalytical.com/	303-637-0150
Endress+Hauser 2350 Endress Place Greenwood, IN 46143 http://www.us.endress.com	317-530-1935
Enerflex 10815 Telge Road Houston, TX 77095	281-345-5021
Energy Products Company 3970 Washington Rd McMurray, PA 15317 http://www.energyproducts.us	724-942-1000
EnerSys Corporation 7979 S. Sam Houston Parkway West Houston, TX 77085 http://www.EnerSysCorp.com	281-598-7100
EnSiteUSA 3100 S. Gessner, Suite 400 Houston, TX 77063 http://www.ensiteusa.com	713-456-7880
Envent Technologies LLC 13215 Stafford Road, Suite 300 Stafford, TX 77489 http://www.envent-eng.com	346-221-7174
Environex 1 Great Valley Parkway, Suite 4 Malvern, PA 19355 http://www.environex.com	484-320-8608
EPIC 2901 2nd Ave South, Suite 200 Birmingham, AL 35233 http://www.epicbrokers.com	205-223-3358
eSimulation, Inc. 17625 El Camino Real, Suite 200 Houston, TX 77058 http://www.esimulation.com	713-962-3107
Everest Sciences 7737 E. 42nd Place, Suite H Tulsa, OK 74145 http://www.everestsciences.com	918-770-7190
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EXTERRAN 20602 E. 81st St. Broken Arrow, OK 74014 http://www.exterran.com	918-251-8571
EZ Pipe Wraps 1763 N. Main Street Weatherford, TX 76085 http://www.ezpipewraps.com	817-594-4446

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Fabwell Corp. 8410 S. Regency Drive Tulsa, OK 74131 http://www.fabwell.com	918-224-9060
Federal Services LLC 120 E. Main Street Oklahoma City, OK 73104 http://www.federalservicesllc.com	405-239-7301
FESCO, Ltd. 1100 FESCO Avenue Alice, TX 78332 http://www.fescoinc.com	361-661-7015
FES-Southwest, Inc. 19221 IH-45 South Ste. 340 Conroe, TX 77385 http://www.fessw.com	281-296-7920
Fibrebond Power 1300 Davenport Dr. Minden, LA 71055 http://www.fibrebond.com	318-377-1030
Files and Associates 11927 S. 85 E. Ave. Bixby, OK 74008 http://www.filesassoc.com	918-630-3717
Fives Cryo Inc. 17314 State Hwy 249, #108 Houston, TX 77064 http://www.fivesgroup.com	346-333-6320
Flatrock Engineering and Environmental 18615 Tuscan Stone, Suite 200 San Antonio, TX 78258 http://flatrockenergy.net	210-568-1707
Flow-Cal, Inc. 2525 Bay Area Blvd, Suite 500 Houston, TX 77058 http://www.flowcal.com	281-282-0865
Fluor Enterprises, Inc. 3 Polaris Way Aliso Viejo, CA 92698 http://www.fluor.com	949-349-2231
Freeman and Curiel Engineers, LLP 13101 Northwest Freeway Suite 320 Houston, TX 77040 http://www.fcenr.com	713-895-8668
Freese and Nichols, Inc. 4055 International Plaza, Suite 200 Fort Worth, TX 76109 http://www.freese.com	817-735-7300
FW Murphy Production Controls P.O. Box 470248 Tulsa, OK 74147 http://www.fwmurphy.com	918-317-4100
Gas Analytical Services 1408 Alpine Blvd Bossier City, LA 71111 http://www.gasana.com	318-746-2404
Gas Analytical Solutions, Inc. 19330 Highway 155 South Flint, TX 75762	903-825-2136

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Gas Equipment Co., Inc. 11616 Harry Hines Blvd Dallas, TX 75229 http://www.gasequipment.com	972-280-8430
Gas Innovations 18005 E Highway 225 La Porte, TX 77571 http://www.gasinnovations.com	281-471-2200
Gas Technology Corp. 1425 Greenway Drive, Suite 450 Irving, TX 75038 http://www.gastech.net	972-255-7800
Gas Treatment Services B.V. Timmerabriekstraat 12, Bergambacht GV, 2861, NL http://www.gtsbv.com	31 182 621890
GasTech Engineering, LLC 1007 E. Admiral Blvd. Tulsa, OK 74120 http://www.gastecheng.com	918-663-8383
GC2 Specialty Construction, LP 2620 S. Sam Houston Parkway West Houston, TX 77047 http://www.gc-2.com	979-373-8313
GE Oil & Gas 16250 Port Northwest Drive Houston, TX 77077 http://www.geoilandgas.com	844-732-4743
GE Power 1101 W. Saint Paul Ave. Waukesha, WI 53188 http://www.ge.com	262-547-3311
GEA Refrigeration North America Inc. 3475 Board Road York, PA 17406 http://www.gea.com	717-487-7577
Gemstar, Inc. P.O. Box 12376 Odessa, TX 79768 http://www.gemstarfab.com	432-362-2315
Geolex, Inc. 500 Marquette Ave. NW #1350 Albuquerque, NM 87102 http://www.geolex.com	505-842-8000
GHD Services Inc. 1755 Wittington Pl., Suite 500 Dallas, TX 75234 http://www.ghd.com	972-331-8500
Global Compressor, L.P. 13415 Emmett Road Houston, TX 77041 http://www.globalcompressorparts.com	713-983-8773
Global Contractors 1010 S. Acadian Thruway, Suite F Baton Rouge, LA 70806 http://www.globalcontractors.com	225-324-5563
Goar Sulfur Services & Assistance 1522 Hubbard Dr. Tyler, TX 75703	903-245-2013

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Graves Analytical Services LLC 3875 Hammer Ranch Road Colorado Springs, CO 80929 http://www.gaspeak.com	719-683-4000
Great Western Valve, Inc. 14247 Bandera Street Cypress, TX 77015 http://www.gwvalve.com	713-455-9400
Gulf Coast Chemical, LLC 220 Jacquelyn Street Abbeville, LA 70510 http://www.gulfcoastchemical.com	337-898-0213
Gulf Coast Dismantling, Inc. P.O. Box 5249 Pasadena, TX 77508	281-487-0595
Gulf Coast Engineered Solutions, Inc. 25511 Budde Rd., Suite 1001 The Woodlands, TX 77380 http://www.gces-inc.com	281-210-1395
Gulf Publishing Co. 2 Greenway Plaza, Suite 1020 Houston, TX 77046 http://www.gasprocessingnews.com	713-520-4443
H & S Valve Inc. 6704 No. County Rd. West Odessa, TX 79702	432-362-0486
H.J. Baker, PE 1511 Rock Ridge Drive Cleveland, OK 74020	918-853-9186
H+M Industrial EPC 5820 Center Street Pasadena, TX 77505 http://www.hm-ec.com	281-617-2247
H2W United, LLC 8450 E. Crescent Pkwy., Suite 420 Greenwood Village, CO 80111 http://www.h2wunited.com	303-501-1994
Hampel Oil Distributors 8001 Pole Road Oklahoma City, OK 73149 http://www.hampeloil.com	405-613-3104
Hargrove Engineers + Constructors 16300 Katy Freeway, Suite 300 Houston, TX 77094 http://www.hargrove-epc.com	832-916-3551
Hastik-Baymont 220 Deerwood Glen Court Deer Park, TX 77536 http://www.hastikbaymont.com	713-600-3351
Heat Recovery Corporation P.O. Box 800277 Houston, TX 77280 http://www.heatrecoverycorp.com	713-827-0202
Heatec Inc. 5200 Wilson Road Chattanooga, TN 37410 http://www.heatec.com	423-821-5200

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Heath Consultants Incorporated 9030 Monroe Road Houston, TX 77061 http://www.heathus.com	713-844-1300
Hero Flare, LLC 445 FM 20 Bastrop, TX 78602 http://www.heroflare.com	512-772-5744
HETSCO, Inc. 1725 N. Graham Rd. Franklin, IN 46131 http://www.hetsco.com	317-535-4315
HIMA Americas, Inc. 5353 W. Sam Houston Pkwy N., Suite 130 Houston, TX 77041 http://www.hima-americas.com	713-482-2069
Hoerbiger Compression Technology 1358 W. Newport Center Drive Deerfield Beach, FL 33442 http://www.hoerbiger.com	954-246-1352
Holloman Corporation 333 N. Sam Houston Pkwy., Suite 600 Houston, TX 77060 http://www.hollomancorp.com	281-878-2600
Howard Energy Partners 16211 La Cantera Parkway, Suite 202 San Antonio, TX 78256 http://www.howardep.com	210-298-2222
Howden Roots LLC 1850 N Gravers Rd, Suite 200 Plymouth Meeting, PA 19462 http://www.howden.com	610-313-9800
Hunt, Guillot & Associates 603 Reynolds Drive Ruston, LA 71270	318-255-6825
Huntsman Corp. 10003 Woodloch Forest Dr. The Woodlands, TX 77380 http://www.huntsman.com	281-719-6000
Hydrocarbon Measurement Consultants, Inc. P.O. Box 590347 Houston, TX 77259	281-488-8821
Hytech Plant Design 1415 North Loop West, Suite 614 Houston, TX 77008 http://www.hytech-eng.com	713-239-2910
I & S Technical Resources, Inc. 248 Twin Lakes Blvd. West Columbia, TX 77486	832-476-5473
Industrial Distributors, Inc. 4920 Nome St., Unit A Denver, CO 80239 http://www.idiprocess.com	303-375-9070
INEOS GAS/SPEC Technology Group 2600 S. Shore Blvd., Suite 400 League City, TX 77573 http://www.ineos.com	281-535-4353
Integrated Corrosion Companies 4411 Navigation Blvd. Houston, TX 77011 http://www.integratedcorrosion.com	713-225-6661

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Interra Global Corp. 800 Busse Highway Park Ridge, IL 60068 http://www.interraglobal.com	847-292-8600
Interstate Treating, Inc. 7141 Club Drive Odessa, TX 79762 http://www.intertreat.com	432-362-9291
Intertek 2 River Way, Suite 500 Houston, TX 77056 http://www.intertek.com	713-543-3652
ISG 508 E. Locust St. Des Moines, IA 50309 http://www.is-grp.com	515-243-9143
ISTI Plant Services 17207 E. 21st St. Tulsa, OK 74134 http://www.istips.com	918-234-1097
J. H. Foglietta Consulting LLC 5827 Fairdale Lane Houston, TX 77057 http://fogliettaconsulting.com	713-962-0470
Jasper Ventures, Inc. 101 Glenda Street Whitehouse, TX 75791 http://www.jasperventuresinc.com	903-939-1555
JEM Resources & Engineering, Inc. 1008 Shell Ave Midland, TX 79705 http://www.jemres-eng.com/	432-352-0802
JFE Engineering Corporation 2-1 Suehiro-cho, Tsurumi-Ku, Yokohama, 230-8611, JP http://www.jfe-eng.com	81 45 505 07772
JGC Corporation 2-3-1 Minato mirai, Nishi-ku Yokohama, Ka 220-6001, JP http://www.jgc.co.jp	045-682-8468
John M. Campbell/PetroSkills 1215 Crossroads Blvd. Norman, OK 73072 http://www.petroskills.com	918-828-2500
John Zink Company LLC 11920 E. Apache Tulsa, OK 74116 http://www.johnzink.com	918-234-2999
Johnson Filtration Products, Inc. P.O. Box 30010 Amarillo, TX 79120 http://www.johnsonfiltration.com	806-371-8033
Johnson Matthey P.O. Box 1 Belasis Avenue Billingham, Cleveland, TS23 1LB, GB http://www.matthey.com	01-64-252-3773
Johnson Petrotech Services, Inc. 6320 Buffalo Speedway Houston, TX 77005	281-636-1422
Jonell, Inc 11607 E. 43rd St. N. Tulsa, OK 74116 http://www.jonellinc.com	918-984-6038

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Joule Processing, LLC 3200 Southwest Freeway, Suite 2390 Houston, TX 77027 http://www.jouleprocessing.com	713-481-1864
JP3 Measurement 4109 Todd Lane, Suite 200 Austin, TX 78744 http://www.jp3measurement.com	281-813-1797
J-W Power Company 6025 S Quebec Street, Suite 250 Centennial, CO 80111 http://www.jwenergy.com	720-385-3030
Kahuna Ventures 11400 Westmoor Circle, Suite 325 Westminster, CO 80021 http://www.kahunaventures.com	303-451-7374
Kams, Inc. 1831 NW 4th Dr. Oklahoma City, OK 73106 http://www.kamsinc.com	405-232-2636
Kane Environmental Engineering 8816 Big View Drive Austin, TX 78730	281-370-6580
KBR 601 Jefferson Street, Suite KT3398B Houston, TX 77002 http://www.kbr.com	713-753-5201
Kiewit Oil Gas & Chemicals 3831 Technology Forest Blvd. The Woodlands, TX 77381 http://www.kiewit.com	832-616-4608
Kimley-Horn and Associates 11700 Katy Freeway, Suite 800 Houston, TX 77079 http://www.kimley-horn.com	346-888-3890
Kleinfelder 7805 Mesquite Bend, Suite 100 Irving, TX 75063 http://www.kleinfelder.com	972-868-5934
Knighten Industries Inc. 3323 NC Rd. West Odessa, TX 79764	432-362-0468
Koch-Glitsch LP 4111 East 37th Street North Wichita, KS 67220 http://www.kochglitsch.com	316-828-6439
KP Engineering, LP 5555 Old Jacksonville Hwy. Tyler, TX 75703 http://www.kpe.com	903-534-9155
KW International 10880 Alcott Drive Houston, TX 77043 http://www.kwintl.com	832-320-2607
L.A. Turbine 28557 Industry Drive Valencia, CA 91355 http://www.laturbine.com	661-294-8290
Laboratory Services 2609 W. Marland Hobbs, NM 88240	575-397-3713

Company & Address	Phone
Lampton Welding Supply Co. Inc. 1717 Highway 97 N. Sapulpa, OK 74066 http://www.lampton.com	918-227-3085
LCM Industries, Inc. 1605 S. Marlin Dr. Odessa, TX 79763 http://www.lcmindustries.com	432-332-5516
Lexicon, Inc. 8900 Fourche Dam Pike Little Rock, AR 72206 http://www.lexicon-inc.com	501-490-4200
Linde Engineering North America Inc. 6100 S. Yale, Suite 1200 Tulsa, OK 74136 http://www.lppusa.com	918-477-1200
Louisiana Valve Source, Inc. 101 Metals Dr. Youngsville, LA 70592 http://www.lavalve.com	337-856-9100
M Chemical Company 825 Colorado Blvd., Suite 214 Los Angeles, CA 90041 http://www.mchemical.com	323-254-3600
M J & H Fabrication 2120 Hall Blvd. Ponca City, OK 74601 http://www.mjhfab.com	580-749-5339
M&J Valve 4150 S. 100 E. Ave, Suite 200 Tulsa, OK 74146 http://www.spx.com	918-663-9595
Mangan, Inc. 1650 Highway 6 South, Suite 200 Sugar Land, TX 77478 http://www.manganinc.com	281-795-8103
Martin Energy Consultants P.O. Box 8064 The Woodlands, TX 77387	281-367-9401
Master Corporation 1330 East 8th St., Suite 105 Odessa, TX 79761 http://www.mastercorporation.com	432-580-0600
Matrix PDM Engineering 6846 South Canton, Suite 400 Tulsa, OK 74137 http://devcousa.com	918-496-4400
McCartney Gas Advisors P.O. Box 27089 Shawnee Mission, KS 66225	913-593-3912
McDaniel Technical Services Inc. P.O. Box 2557 Broken Arrow, OK 74013 http://www.mcdanieltsi.com	918-294-1628
Merichem 5455 Old Spanish Trail Houston, TX 77023 http://www.merichem.com	713-428-5198
Metal Goods Manufacturing Co. Inc. P.O. Box 2096 Bartlesville, OK 74005 http://www.metalgoodsmfg.com	918-336-4282

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MHBT, Inc. 8144 Walnut Hill Lane, 16th Floor Dallas, TX 75231 http://www.mhbt.com	972-770-1655
Midstream Energy Group, Inc. 2002 Rosalyn Ct. Sugar Land, TX 77478 http://www.midstreamenergygroup.com	713-582-2579
Midway Laboratory, Inc. 315 Main Street Taft, CA 93268 http://www.midwaylaboratory.com	661-765-2364
MIRATECH Corp. 420 S 145th East Ave. Tulsa, OK 74108 http://www.miratechcorp.com	918-794-9370
Mobile Analytical Labs Inc. P.O. Box 69210 Odessa, TX 79769 http://www.mobilelabs.com	915-337-4744
MODEC International Inc. 15011 Katy Freeway, Suite 500 Houston, TX 77094 http://www.modec.com	281-529-8100
Monico Monitoring, Inc. 18530 Klein Church Rd. Spring, TX 77379 http://www.monicoinc.com	281-350-8751
Moore Control Systems, Inc. 1435 Katy-Flewellen Katy, TX 77494 http://www.moore-control.com	281-392-7747
Movilab, S.A. de C.V. Paseo de Francia 163 Pisol Naucalpan, Estado de, 53120, MX http://www.movilab.com	5225-553-442121 x102
Mueller Environmental Designs P.O. Box 1088 Brookshire, TX 77423 http://www.muellerenvironmental.com	713-465-0995
Mustang Cat 12800 NW. Freeway Houston, TX 77040 http://www.mustangcat.com	713-460-7238
Nalco, An Ecolab Company 1601 W. Diehl Road Naperville, IL 60563 http://www.nalco.com	630-305-1000
Neuman & Esser USA, Inc. 1502 East Summitry Circle Katy, TX 77449 http://www.neuman-esser.com	713-554-9623
Neumann Consulting 4126 Luong Field Ct. Katy, TX 77494	713-806-6042
New Tech Global Ventures 202 Madison Square Colleyville, TX 76034 http://www.ntglobal.com	817-821-8107
Nexo Solutions 9391 Grogans Mill Rd., Suite A-6 The Woodlands, TX 77380 http://www.nexosolutions.com	832-510-8191

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NorthStar Energy Services, Inc. 15025 East Freeway Channelview, TX 77530 http://www.nses.com	281-452-2355
Norwest Engineering 1685 S. Colorado Blvd., Unit S 261 Denver, CO 80222 http://www.norwestengineering.com	303-842-8202
Norwood S&S, LLC 6415 Calle Lozano Dr. Houston, TX 77041 http://www.norwoodss.com	281-558-2946
Nova Molecular Technologies 1 Parker Place, Suite 725 Janesville, WI 53545	608-754-6682
NTACT Operations, LLC 12615 West County Road 91 Midland, TX 79707 http://ntactops.com	817-680-0253
Oil-Gastech, Inc. 7521 E. Interstate 20 Odessa, TX 79765 http://www.oilgastech.us	432-257-2800
Oliver Equipment Co. 4620 Brittmoore Rd. Houston, TX 77041 http://www.oliverequip.com	713-856-9206
Omni Flow Computers, Inc. 12320 Cardinal Meadow Dr, Suite 180 Sugar Land, TX 77478 http://www.omniflow.com	281-240-6161
Optimized Gas Treating, Inc. 12337 Jones Rd., Suite 432 Houston, TX 77070 http://www.ogtrt.com	580-428-3535
Optimized Process Designs 25610 Clay Road Katy, TX 77493 http://www.opdepc.com	281-371-5909
Optimized Process Furnaces 3995 S. Santa Fe Chanute, KS 66720 http://www.firedheater.com	620-431-1260
Orbital Gas Systems 2326 Campbell Rd., Bldg B Houston, TX 77080 http://www.orbitalgas.com	832-467-1420
Ortloff Engineers, Ltd. 415 W. Wall, Suite 2000 Midland, TX 79701 http://www.ortloff.com	432-685-0277
Osynergy 23088 N. Moorefield Rd. Edinburg, TX 78541 http://www.osynergylc.com	956-581-4300
Pall Corporation 25 Harbor Park Drive Port Washington, NY 11050 http://www.pall.com	516-484-3600

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Pantechs Laboratories, Inc. 5915 50th Street Lubbock, TX 79424 http://www.pantechs.com	806-797-4325
Panton Inc. 24 E. Greenway Plaza, Suite 1180 Houston, TX 77046	713-589-6852
Paradigm Controls of Texas 1032 Lizzie Lane Tomball, TX 77375 http://www.pctx.us	713-829-9026
Paratherm - Heat Transfer Fluids 2009 Renaissance Blvd King of Prussia, PA 19406 http://www.paratherm.com	610-941-4900
Pasadyn, Inc. 3311 El Dorado Blvd. Missouri City, TX 77459 http://www.pasadyn.net	713-907-0711
PECOFacet 118 Washington Avenue Mineral Wells, TX 76068 http://www.pecofacet.com	940-325-2575
Pentair 4301 West Davis Conroe, TX 77304 http://www.pentairseparations.com	936-788-1000
PerkinElmer 11695 Johns Creek Parkway, Suite 150 Johns Creek, GA 30097 http://www.perkinelmer.com	404-735-0511
Petral Consulting Co. P.O. Box 42586 Houston, TX 77242 http://www.petral.com	713-977-0144
Petron Asia Energy PTE Ltd. 531A Upper Cross St. Hong Lim #04-95 Singapore, 51531 http://www.petronasia.com	65-9882-9875
Petrotech, Inc. 151 Brookhollow Esplanade New Orleans, LA 70123 http://www.petrotechinc.com	504-620-6600
PFEC, Inc. 28010 FM 2978 Magnolia, TX 77354 http://www.pfecinc.com	281-356-1107
Pine River Energy Services, LLC 836 Ludwig Drive Bayfield, CO 81122 http://www.pineriverenergysvcsllc.com	970-799-1971
PM Energy, LLC 2825 Wilcrest Dr., Suite 530 Houston, TX 77042 http://www.peak-ai.com/	832-581-3910
Power Service GMM 2289 Renauna Ave., Bldg 1 Casper, WY 82601 http://www.dnow.com	307-258-5387
Precise Engineering, Inc. 9752-B Whithorn Dr. Houston, TX 77095 http://www.precise-engineering.net	281-855-7333

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Prime Controls, LP 1725 Lakepointe Dr. Lewisville, TX 75057 http://www.prime-controls.com	972-221-4849
Process Machine & Automation Inc. 1616 E. Kenmore Place Shorewood, WI 53211 http://www.process-machine.com	414-460-8171
PSI (Process Solutions Integration) 6654-A Canyon Drive Amarillo, TX 79109 http://www.psi-technology.com	806-356-9800
Puffer Sweiven 4230 Greenbriar Drive Stafford, TX 77477 http://www.puffersweiven.com	281-240-2000
Q.B. Johnson Manufacturing, Inc. 9000 S. Sunnyslane Rd. Oklahoma City, OK 73189 http://www.qbjohnson.com	405-677-6676
Q2 Technologies, LLC Three Riverway, Suite 1430 Houston, TX 77056 http://www.q2technologies.com	936-588-2242
QPS Engineering 4500 S. Garnett Rd., Suite 700 Tulsa, OK 74146 http://www.qpsepc.com	918-858-7620
Quadra Chemicals Inc. 4747 Research Forest Dr., Suite 180 The Woodlands, TX 77381 http://www.quadra.ca	423-230-7367
QuantityWare GmbH Zeiloch 1b Bruchsal, 76646, DE http://www.quantityware.com	49 7251 982 3003
R & R Engineering Co., Inc. PO Box 700005 Tulsa, OK 74170	918-252-2571
R&H Technical Sales, Inc. PO Box 7331 The Woodlands, TX 77387 http://www.rhtechnical.com	281-253-8232
Ranger Plant Constructional Co. Inc. 5851 E. Interstate 20 Abilene, TX 79601 http://www.rpcinc.com	325-677-2888
Red Ball Technical Gas Services 609 N. Market Street Shreveport, LA 71107 http://www.redballtgs.com	318-425-3211
Ref-Chem L.P. 1128 S. Grandview Ave. Odessa, TX 79761 http://www.ref-chem.com	432-332-8531
Regard Resources Co., Inc 555 Aero Dr. Shreveport, LA 71107 http://www.regardresources.com	318-425-2533
Relevant Solutions 1423 E. Richey Rd. Houston, TX 77073 http://www.relevantolutions.com	713-688-8834

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Reset Energy P.O. Box 8601 Midland, TX 79708 http://www.resetenergy.com	432-682-2020
Rexel Inc. 1030 Wirt Rd., Suite 400 Houston, TX 77055 http://www.rxelusa.com	713-458-0256
Rhine Ruhr Pty Ltd Unit 1, 10-30 West Circuit, Sunshine West Melbourne, Vi 3020 http://www.rhineruhr.com.au	61 3 9300 5000
River City Engineering 4830 Bob Billings Parkway, Suite 100B Lawrence, KS 66049 http://www.rivercityeng.com	785-842-4783
Rockwell Automation 4321 West Sam Houston Pkwy N. # 110 Houston, TX 77043 http://www.rockwell.com	214-600-4590
Ross Engineering LLC 510 E. 2nd Street Tulsa, OK 74120 http://www.rossengr.com	405-264-2200
Rotor-Tech, Inc. 10613 Stebbins Circle Houston, TX 77379 http://www.rotor-tech.com	713-984-8900
Royal Filter Mfg. Co., Inc. 4327 S. 4th Chickasha, OK 73018 http://www.royalfilter.com	405-224-0229
S & B Engineers and Constructors, Ltd. 7825 Park Place Blvd. Houston, TX 77087	713-845-7850
Samuel Engineering, Inc. 8450 E. Crescent Pkwy., Suite 2300 Greenwood Village, CO 80111 http://www.samuelengineering.com	303-714-4840
Saulsbury Industries, Inc. 2951 E. Interstate 20 Odessa, TX 79766 http://www.saulsbury.com	432-438-6436
Scelerin Heaters LLC 5810 E. Skelly Dr., 17th Floor Tulsa, OK 74135 http://www.scelerin.com	918-499-2700
Schlumberger - NEXT 1700 Research Parkway, Suite 100 College Station, TX 77845 http://www.slb.com	979-255-2981
Schneider Electric Systems, USA 10900 Equity Drive Houston, TX 77041 http://www.schneider-electric.com	469-737-3917
Schultz Process Services, Inc. 12515 Cypress N. Houston Rd. Cypress, TX 77429 http://www.sps-houston.com	281-894-2100
Schwob Energy Services 2349 Glenda Lane Dallas, TX 75229 http://www.schwob.com	972-243-7674

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Scott Measurement Service Inc P.O. Box 5247 Granbury, TX 76049 http://www.scottmeasurement.com	817-573-0036
SEC Energy Products & Services, LP 9523 Fairbanks N Houston Houston, TX 77064 http://www.sec-ep.com	281-890-9977
Select Engineering, Inc. 1717 S. Boulder, Suite 600 Tulsa, OK 74119 http://www.select-engineering.com	918-592-1133
Sep-Pro Systems, Inc. 12259 FM 529 Houston, TX 77041 http://www.sepprosystems.com	832-243-6360
Sepra-Chem Corp. 10975 Spur 248 Tyler, TX 75707 http://www.sepra-chem.com	903-566-1015
SERO PumpSystems, Inc. 3727 Greenbriar Drive, Suite 105 Stafford, TX 77477 http://www.seropumps.com/	281-242-8080
Shafer, Kline & Warren, Inc. 1700 Swift St., Suite 100 North Kansas City, MO 64116 http://www.skw-inc.com	816-502-3994
Shamrock Gas Analysis 1100 South Madden St. Shamrock, TX 79097 http://www.sgalab.com	806-256-3249
Shermco Industries 2425 E. Pioneer Dr. Irving, TX 75061 http://www.shermco.com	972-793-5523
Shrieve Chemical Products, Inc. 1755 Woodstead Court The Woodlands, TX 77380 http://www.shrieve.com	281-367-4226
Simms Machinery International 2357 A Street Santa Maria, CA 93455 http://simmsmachineryinternational.com	805-349-2540
Simplified Rail Logistics 1301 E. Zion Fayetteville, AR 72703 http://www.simplifiedraillogistics.com	479-225-6352
SME Associates, LLC 6715 Theall Houston, TX 77066 http://www.sme-llc.com	281-440-7350
Smithco Engineering, Inc. 6312 S 39th West Avenue Tulsa, OK 74132 http://www.smithco-eng.com	918-446-4406
SNC-Lavalin 919 Milam, Suite 1000 Houston, TX 77002 http://www.snclavalin.com/en/market-services/oil-gas/processing-treating/	713-744-6100

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Solomon Associates One Lincoln Centre 5400 LBJ Freeway, Suite 1400 Dallas, TX 75240 http://www.solomononline.com	972-672-7933
Southeast Connections 2720 Dogwood Dr. SE Conyers, GA 30013 http://www.seconnections.com	770-856-8760
Spartan Energy Partners 9595 Six Pines Drive, Suite 4000 The Woodlands, TX 77380 http://www.spartanep.com	281-466-3315
Spectra Energy 2600 425 1 Street SW Calgary AB, T2P 3L8, CA http://www.spectraenergy.com/	403-699-1015
SpectraSensors Inc. 4333 W. Sam Houston Parkway N., Suite 100 Houston, TX 77043 http://www.spectrasensors.com	713-300-2719
Spitzer Industries 12141 Wickchester Lane, Suite 750 Houston, TX 77079 http://www.spitzerind.com	832-783-7000
SPL, Inc. 8880 Interchange Drive Houston, TX 77054 http://www.spl-inc.com	713-660-0901
Strategic Automation Services LLC 16203 Park Row Road, Suite 140 Houston, TX 77084 http://SAS-web.com	281-945-8900
STS Consulting Services P.O. Box 9005 Longview, TX 75608 http://ststx.com	903-247-1787
STV Inc. 621 17th Street, Suite 1200 Denver, CO 80293 http://www.stvinc.com	303-951-9300
SULPETRO INC. #600, 600-6th Avenue Calgary, AB T3H 2H5, CA http://www.sulpetro.com	403-233-9337
Sulphur Experts Inc. 2031 Anders Lane Kemah, TX 77565 http://www.sulphurexperts.com	832-728-6151
Sulzer Chemtech 8505 E. North Belt Drive Humble, TX 77396 http://www.sulzer.com	281-441-5804
Sumisho Metalex Corp. Harumi Triton Square Office Tower X 20F 1-8-10 Harumi, Chuo-Ku Tokyo, Chuo-Ku, 104-6020, JP http://www.metalex.co.jp	81-3-3533-6256
Sumitomo Precision Products 420 Lexington Ave, Suite 2806 New York, NY 10170 http://www.spp.co.jp/English/index2-e.html	212-354-5558

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Sunland Construction Inc. 2532 Aymond Street Eunice, LA 70535 http://www.sunlandconstruction.com	337-546-0241
Superior Energy Systems, Ltd. 13660 Station Road Columbia Station, OH 44028 http://www.superiornrg.com	440-236-6711
T.F. Hudgins Inc. P.O. Box 920946 Houston, TX 77292 http://www.tfhudgins.com	713-682-3651
Taylor Forge Engineered Systems 208 N. Iron Street Paola, KS 66071 http://www.tfes.com	913-294-5331
TECHNIP 11740 Katy Freeway, Suite 100 Houston, TX 77079 http://www.TECHNIP.com	281-249-2401
Tegre Corporation 1199 Main Ave, Suite 101 Durango, CO 81301 http://www.tegrecorp.com	970-828-1802
Terracon Consultants, Inc. 11555 Clay Road, Suite 300 Houston, TX 77043 http://www.terracon.com	713-690-8989
Texas Turbine, Inc. 624 Profit St Azle, TX 76020 http://www.txturbine.com	817-444-5528
The Lisbon Group, LLC 1505 NW Gilman, Suite 8 Issaquah, WA 98027 http://www.lisbon-group.com	206-369-6111
Tiger Tower Services 8774 Fawn Trail Conroe, TX 77385 http://www.tigertowerservices.com	281-951-2500
TM-EMS, LLC 1428 N. Banks Pampa, TX 79066 http://www.tm-ems.com	806-665-5700
Tomcej Engineering Inc. P.O. Box 1274 Station Main Edmonton, AB T5J 2M8, CA http://www.tomcej.com	780-483-0248
TorcSill Foundations 100 Park Ave., Suite 716 Oklahoma City, OK 73096 http://www.torcsill.com	405-693-8460
Torrent Energy Services 5950 Berkshire Lane, Suite 1401 Dallas, TX 75225 http://www.torrentenergyservices.com	281-450-4000

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Tower Force 4804 Railroad Ave. Deer Park, TX 77536	281-506-7152
Toyo Engineering Corp. 8-1, Akanehama 2-Chome Narashino-shi, Chiba, 275-0024, JP http://www.toyo-eng.com	81 47 451 1111
Trailhead Engineering 9515 S. Monroe St, Suite 100 Salt Lake City, UT 84070 http://www.trailheadeng.com	385-474-4056
TransTech Energy P.O. Box 8197 Rocky Mount, NC 27804 http://www.transtechenergy.com	252-801-1879
TransTex Hunter, LLC P.O. Box 1707 ½ Post Oak Blvd #479 Houston, TX 77056 http://www.transtexhunter.com	713-654-4440
TRC Companies, Inc. 10550 Richmond Ave, Suite 210 Houston, TX 77042 http://www.trcsolutions.com	713-244-1000
Trimeric Corp. P.O. Box 826 Buda, TX 78610 http://www.trimeric.com	512-295-8118
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Trinity Containers, LLC 2525 Stemmons Freeway, Suite 520 Dallas, TX 75207 http://www.trinitycontainers.com	888-558-8529
Tri-Point Oil & Gas Production Systems 5555 San Felipe, Suite 1250 Houston, TX 77056 http://www.tri-pointllc.com	281-615-2072
Tryer Process Equipment 1730 City View Dr. Wichita Falls, TX 76306 http://www.tryerpe.com	940-432-0130
Tulco Oils 5240 E. Pine St. Tulsa, OK 74115 http://www.tulco.com	918-230-4653
Tulsa Heaters Midstream 1215 S. Boulder, Suite 1040 Tulsa, OK 74119 http://www.tulsaheatersmidstream.com	918-392-8000
UEC, LLC 9461 Willow Court Henderson, CO 80640 http://www.uecompression.com	303-515-8588
Unison Industrial Solutions 1218 W. Webster St. Houston, TX 77019 http://www.unisongrp.com	832-496-3004

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United Steel Structures, Inc. 1330 Enclave Parkway, Suite 400 Houston, TX 77077 http://www.ussi.com	281-496-1300
United/Wells Inc. P.O. Box 4575 Odessa, TX 79760 http://www.unitedwellsinc.com	432-362-2361
Univar 19450 State Hwy 249, 3rd Floor Houston, TX 77070 http://www.univar.com	281-949-9120
UOP Russell 7050 S Yale, Suite 210 Tulsa, OK 74136 http://www.honeywell.com	918-481-5682
Upstream Development and Engineering, Inc. 11767 Katy Fwy, Suite 215 Houston, TX 77079 http://www.upstreamdne.com	281-752-7754
USA Compression 32731 Egypt Lane, Suite 504 Magnolia, TX 77354 http://www.usacompression.com	832-510-1284
Vapor Point P.O. Box 1239 La Porte, TX 77572 http://www.vaporpoint.net	281-867-8186
Vavco LLC 101 Mahood Road Butler, PA 16001 http://www.vavcollc.com	724-285-6684
Vector Controls and Automation Group 4142 S. 70th East Ave, #300 Tulsa, OK 74145 http://www.vectorcag.com	918-664-7511
VGas, LLC 12225 FM 529 Road Houston, TX 77070 http://www.vgasllc.com	713-896-8531
Vinson Process Controls 2747 Highpoint Oaks Drive Lewisville, TX 75067 http://www.vinsonprocess.com	972-459-8200
Virtual Materials Group Alastair Ross Technology Centre #300, 3553 - 31 Street NW Calgary, AB T2L 2K7, CA http://www.virtualmaterials.com	281-944-9902
Wagner Power Systems 4000 Osuna Road NE Albuquerque, NM 87109 http://www.wagnerpower.com	505-345-8411
Walker Industrial 1505 W. Walnut Hill Ln. Irving, TX 75038 http://www.walkertx.com	603-793-6385

Company & Address	Phone
Washington Iron Works 400 E. Lamar Street Sherman, TX 75090 http://www.washingtonironworks.com	903-892-8145
Wasson-ECE 101 Rome Ct. Ft. Collins, CO 80524 http://www.wasson-ece.com	970-221-9179
Western Filter Co., Inc. 10702 E. 11th Street Tulsa, OK 74128 http://www.westernfilterco.com	918-949-4455
WinSim Inc. 8653 FM 2759 Rd. Richmond, TX 77469 http://www.winsim.com	281-545-9200
Wood Group 71 Allegiance Circle Evanston, WY 82930 http://www.woodgroup.com	307-789-1595
Worldwide Exchangers, LLC 601 W 136th St N. Skiatook, OK 74070 http://worldwideexchanger.com	918-396-7200
WR Grace P.O. Box 1041 Bridge City, TX 77611 http://www.grace.com	409-363-4165

Company & Address	Phone
WSB & Associates, Inc 701 Xenia Ave South, Suite 300 Minneapolis, MN 55416 http://www.ws beng.com	763-541-4800
WSP 16200 Park Row Blvd., Suite 200 Houston, TX 77084 http://www.wsp-pb.com/en/wsp-usa/what-we-do-usa/industrial-and-energy/markets/underground-energy-storage/	281-589-5800
York Process Systems 100 CV Avenue Waynesboro, PA 17268 http://www.jci.com/yps	717-765-2510
Zachry 3411 Northfield Drive Midland, TX 79707 http://www.zachrygroup.com	281-864-7656
ZAP Engineering & Construction Services, Inc. 333 S. Allison Parkway, Suite 100 Lakewood, CO 80226 http://www.zapecs.com	303-565-5533
Zedi US 3001 N. Cameron Victoria, TX 77901 http://www.zedi.us	361-571-9408
Zeochem 1600 West Hill St. Louisville, KY 40210 http://www.zeochem.com	502-693-0325

Classification of Members

Services

GPSA

Sixty Sixty American Plaza, Suite 700

Tulsa, Oklahoma 74135

Phone: 918-493-3872

Fax: 918-493-3875

Email: gpsa@GPAglobal.org

<http://gpsa.GPAglobal.org>

The following is a listing of GPSA member companies classified by the type of services that they provide to the industry.

<p style="text-align: center;">COMPLIANCE — AUDITING</p> <p>Accurate Lab Audits, LLC Black & Veatch Corp. Boots & Coots C3 Resources, LLC CH2M Comal Energy Services LP Contek Solutions, LLC D'Agostaro Energy Measurement Services EnerSys Corporation Environex Flatrock Engineering and Environmental Graves Analytical Services, LLC Joule Processing, LLC Kahuna Ventures Nalco, An Ecolab Company QuantityWare GmbH Rockwell Automation Ross Engineering, LLC Select Engineering, Inc. Shafer, Kline & Warren, Inc. Spitzer Industries SPL, Inc. STS Consulting Services Terracon Consultants, Inc. TM-EMS, LLC Trailhead Engineering TRC Companies, Inc. Trinity Consultants Zedi US</p>	<p>Heath Consultants Incorporated Kahuna Ventures QuantityWare GmbH Select Engineering, Inc. TRC Companies, Inc.</p>
<p style="text-align: center;">COMPLIANCE — CRITICAL INCIDENT/ EMERGENCY RESPONSE</p> <p>Benham, a Haskell Company Boots & Coots Comal Energy Services LP Contek Solutions, LLC Flatrock Engineering and Environmental GHD Services, Inc.</p>	<p style="text-align: center;">COMPLIANCE — EMISSIONS TESTING</p> <p>Anguil Environmental Systems Archrock, Inc. Benham, a Haskell Company Black & Veatch Corp. Catalytic Products International, Inc. CDM, Resource Management, LLC Comal Energy Services LP Empact Analytical Systems, Inc. Environex Federal Services, LLC FESCO, Ltd. Flatrock Engineering and Environmental GHD Services, Inc. Graves Analytical Services, LLC Heath Consultants Incorporated Johnson Petrotech Services, Inc. SPL, Inc. TRC Companies, Inc.</p>
	<p style="text-align: center;">COMPLIANCE — ENVIRONMENTAL SERVICES</p> <p>AECOM Anguil Environmental Systems Benham, a Haskell Company Black & Veatch Corp. Brown & Gay Engineers, Inc. Catalytic Combustion Corporation Catalytic Products International, Inc. CDM, Resource Management, LLC CH2M Comal Energy Services LP Contek Solutions, LLC</p>

Empact Analytical Systems, Inc.
 Environex
 Flatrock Engineering and Environmental
 Freese and Nichols, Inc.
 Geolex, Inc.
 GHD Services, Inc.
 Johnson Petrotech Services, Inc.
 Kahuna Ventures
 MIRATECH Corp.
 Nalco, An Ecolab Company
 Pantechs Laboratories, Inc.
 QPS Engineering
 Rockwell Automation
 SPL, Inc.
 STV, Inc.
 Tegre Corporation
 Terracon Consultants, Inc.
 TRC Companies, Inc.
 Trimeric Corp.
 Trinity Consultants
 United Steel Structures, Inc.
 Vapor Point
 WSB & Associates, Inc.

COMPLIANCE — LEAK DETECTION SERVICES

Comal Energy Services LP
 Contek Solutions, LLC
 EnerSys Corporation
 Flatrock Engineering and Environmental
 GHD Services, Inc.
 Heath Consultants Incorporated
 Johnson Petrotech Services, Inc.
 SPL, Inc.
 Terracon Consultants, Inc.
 TM-EMS, LLC
 Trinity Consultants

COMPLIANCE — LEGAL SERVICES

Comal Energy Services LP
 Environex
 Johnson Petrotech Services, Inc.
 SPL, Inc.

COMPLIANCE — SAFETY CONSULTANT

Aspen Technology, Inc.
 C3 Resources, LLC
 Comal Energy Services LP
 Contek Solutions, LLC
 EPIC
 Federal Services, LLC
 Flatrock Engineering and Environmental
 GHD Services, Inc.
 H.J. Baker, PE
 Kahuna Ventures
 Mangan, Inc.
 Nalco, An Ecolab Company
 Oil-Gastech, Inc.
 Select Engineering, Inc.
 STS Consulting Services

Terracon Consultants, Inc.
 Toyo Engineering Corp.
 Trimeric Corp.
 Wood Group

COMPLIANCE — SECURITY

Benham, a Haskell Company
 Black & Veatch Corp.
 Comal Energy Services LP
 TRC Companies, Inc.

CONSULTING — COMPUTER SYSTEMS

Barry D. Payne & Associates, Inc.
 Benham, a Haskell Company
 Black & Veatch Corp.
 Comal Energy Services LP
 eSimulation, Inc.
 Federal Services, LLC
 GHD Services, Inc.
 Mangan, Inc.
 Puffer Sweiven
 QuantityWare GmbH
 Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 Strategic Automation Services, LLC
 Toyo Engineering Corp.

CONSULTING — EXPERT WITNESS

Benham, a Haskell Company
 Black & Veatch Corp.
 Coastal Flow Measurement, Inc.
 Comal Energy Services LP
 Contek Solutions, LLC
 D'Agostaro Energy Measurement Services
 Emerson
 Environex
 Flatrock Engineering and Environmental
 Geolex, Inc.
 GHD Services, Inc.
 Goar Sulfur Services & Assistance
 Graves Analytical Services, LLC
 J. H. Foglietta Consulting, LLC
 Johnson Petrotech Services, Inc.
 Optimized Gas Treating, Inc.
 Pasadyn, Inc.
 Samuel Engineering, Inc.
 Select Engineering, Inc.
 SPL, Inc.
 Tegre Corporation
 TM-EMS, LLC
 TRC Companies, Inc.
 Trimeric Corp.
 Trinity Consultants
 WSP

CONSULTING — FORENSIC ENGINEERING

Comal Energy Services LP
 GE Oil & Gas

GHD Services, Inc.
Pasadyn, Inc.
Washington Iron Works

CONSULTING — CORROSION

Coastal Chemical Co., LLC
Comal Energy Services LP
Contek Solutions, LLC
Federal Services, LLC
Flatrock Engineering and Environmental
GHD Services, Inc.
Gulf Coast Chemical, LLC
Heath Consultants Incorporated
Johnson Petrotech Services, Inc.
Nalco, An Ecolab Company
Pasadyn, Inc.
Shafer, Kline & Warren, Inc.
TM-EMS, LLC
Toyo Engineering Corp.
TRC Companies, Inc.
Trimeric Corp.

CONSULTING — STRATEGY PLANNING

ARC Energy Equipment
Bartlett & West
Benham, a Haskell Company
Black & Veatch Corp.
Boots & Coots
Brown & Gay Engineers, Inc.
CAM Integrated Solutions
Comal Energy Services LP
Contek Solutions, LLC
Dollahon PR
EPIC
eSimulation, Inc.
Geolex, Inc.
GHD Services, Inc.
J. H. Foglietta Consulting, LLC
Johnson Petrotech Services, Inc.
MIRATECH Corp.
Nalco, An Ecolab Company
Pasadyn, Inc.
QPS Engineering
QuantityWare GmbH
Shafer, Kline & Warren, Inc.
STS Consulting Services
TRC Companies, Inc.

DISMANTLE, SURPLUS EQUIPMENT

ARC Energy Equipment
Comal Energy Services LP
DanCar Energy Construction
Gas Technology Corp.
GE Oil & Gas
HETSCO, Inc.
Interstate Treating, Inc.
Moore Control Systems, Inc.
Nicholas Consulting Group, Inc.

Q.B. Johnson Manufacturing, Inc.
Ref-Chem LP
Ross Engineering, LLC
Schwob Energy Services
Wood Group

ENGINEERING — PROCUREMENT AND CONSTRUCTION

AECOM
Anvil Corporation
ARC Energy Equipment
Archrock, Inc.
Aspen Technology, Inc.
Azota Ltd.
Barry D. Payne & Associates, Inc.
Bartlett & West
Benham, a Haskell Company
Bilfinger Westcon, Inc.
Black & Veatch Corp.
Bowden Construction Co. Ltd.
CAM Integrated Solutions
Catamount Constructors
CDM, Resource Management, LLC
CH2M
Chiyoda Corp.
Comal Energy Services LP
CryoSys
DanCar Energy Construction
Echo Group, Ltd.
EDG, Inc.
EMD, Inc.
Emerson
EXTERRAN
Freeman and Curiel Engineers, LLP
Freese and Nichols, Inc.
GasTech Engineering, LLC
GHD Services, Inc.
Grae-Con Construction, Inc.
Holloman Corporation
Hunt, Guillot & Associates
Hytech Plant Design
Interstate Treating, Inc.
ISTI Plant Services
Jasper Ventures, Inc.
JGC Corporation
Joule Processing, LLC
Kahuna Ventures
KBR
KP Engineering, LP
Lexicon, Inc.
Linde Engineering North America, Inc.
Mangan, Inc.
Master Corporation
Matrix PDM Engineering
MIRATECH Corp.
MODEC International, Inc.
Moore Control Systems, Inc.
Nicholas Consulting Group, Inc.
NorthStar Energy Services, Inc.
Oil-Gastech, Inc.

Optimized Process Designs
 QPS Engineering
 Ref-Chem LP
 Regard Resources Co., Inc.
 Ross Engineering, LLC
 Samuel Engineering, Inc.
 Saulsbury Industries, Inc.
 Schwob Energy Services
 SEC Energy Products & Services, LP
 Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 STS Consulting Services
 STV, Inc.
 Sunland Construction, Inc.
 TECHNIP
 Tegre Corporation
 Toyo Engineering Corp.
 Trailhead Engineering
 TRC Companies, Inc.
 UOP Russell
 Upstream Development and Engineering, Inc.
 Vavco, LLC
 Walker Industrial
 Wood Group
 WSB & Associates, Inc.
 WSP

Nicholas Consulting Group, Inc.
 NorthStar Energy Services, Inc.
 Oil-Gastech, Inc.
 Optimized Process Designs
 Q.B. Johnson Manufacturing, Inc.
 QPS Engineering
 Ref-Chem LP
 Ross Engineering, LLC
 Samuel Engineering, Inc.
 Saulsbury Industries, Inc.
 Schwob Energy Services
 SEC Energy Products & Services, LP
 Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 Simms Machinery International
 Spartan Energy Partners
 STS Consulting Services
 STV, Inc.
 Tegre Corporation
 TM-EMS, LLC
 Toyo Engineering Corp.
 Trailhead Engineering
 TRC Companies, Inc.
 UOP Russell
 Upstream Development and Engineering, Inc.
 Vavco, LLC
 WSP
 ZAP Engineering & Construction Services, Inc.

ENGINEERING — DRAFTING

AECOM
 Anvil Corporation
 ARC Energy Equipment
 Aspen Technology, Inc.
 Azota Ltd.
 Bartlett & West
 Benham, a Haskell Company
 Black & Veatch Corp.
 CAM Integrated Solutions
 CH2M
 Comal Energy Services LP
 EDG, Inc.
 EMD, Inc.
 EXTERRAN
 Freeman and Curiel Engineers, LLP
 Freese and Nichols, Inc.
 Gas Technology Corp.
 GasTech Engineering, LLC
 GHD Services, Inc.
 Holloman Corporation
 Hunt, Guillot & Associates
 Hytech Plant Design
 JGC Corporation
 Joule Processing, LLC
 Kahuna Ventures
 KP Engineering, LP
 Linde Engineering North America, Inc.
 Master Corporation
 Matrix PDM Engineering
 Moore Control Systems, Inc.

ENGINEERING — PIPELINE

AECOM
 Aspen Technology, Inc.
 Bartlett & West
 Bechtel
 Black & Veatch Corp.
 CAM Integrated Solutions
 CH2M
 Comal Energy Services LP
 EMD, Inc.
 EXTERRAN
 Flatrock Engineering and Environmental
 Freeman and Curiel Engineers, LLP
 Freese and Nichols, Inc.
 GasTech Engineering, LLC
 GHD Services, Inc.
 Holloman Corporation
 Hunt, Guillot & Associates
 Hytech Plant Design
 JGC Corporation
 Joule Processing, LLC
 Kahuna Ventures
 KBR
 Master Corporation
 Matrix PDM Engineering
 Nalco, An Ecolab Company
 Nicholas Consulting Group, Inc.
 NorthStar Energy Services, Inc.
 QPS Engineering
 Ross Engineering, LLC
 Samuel Engineering, Inc.

Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 Spartan Energy Partners
 STS Consulting Services
 STV, Inc.
 Tegre Corporation
 Terracon Consultants, Inc.
 Toyo Engineering Corp.
 TRC Companies, Inc.
 Trimeric Corp.
 Vavco, LLC
 Wood Group
 WSP
 ZAP Engineering & Construction Services, Inc.

ENGINEERING — PROCESS

AECOM
 Allied Equipment, Inc.
 Anvil Corporation
 ARC Energy Equipment
 Aspen Technology, Inc.
 Atlas Copco Gas and Process
 Azota Ltd.
 Bechtel
 Benham, a Haskell Company
 Black & Veatch Corp.
 CAM Integrated Solutions
 CDM, Resource Management, LLC
 CH2M
 Champion Process, Inc.
 Chiyoda Corp.
 Comal Energy Services LP
 Contek Solutions, LLC
 CryoSys
 Dickson Process Systems, Ltd.
 EDG, Inc.
 EMD, Inc.
 Emerson
 EnerSys Corporation
 EXTERRAN
 Freeman and Curiel Engineers, LLP
 Freese and Nichols, Inc.
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 GHD Services, Inc.
 Goar Sulfur Services & Assistance
 Holloman Corporation
 Hunt, Guillot & Associates
 Hytech Plant Design
 Interstate Treating, Inc.
 J. H. Foglietta Consulting, LLC
 Jasper Ventures, Inc.
 JEM Resources & Engineering, Inc.
 JGC Corporation
 Johnson Matthey
 Jonell, Inc.
 Joule Processing, LLC
 Kahuna Ventures
 KBR

KP Engineering, LP
 KW International
 Linde Engineering North America, Inc.
 M Chemical Company
 Master Corporation
 Matrix PDM Engineering
 Moore Control Systems, Inc.
 Mueller Environmental Designs
 Nalco, An Ecolab Company
 Nexo Solutions
 Nicholas Consulting Group, Inc.
 NorthStar Energy Services, Inc.
 Oil-Gastech, Inc.
 Optimized Process Designs
 Ortloff Engineers, Ltd.
 Paratherm - Heat Transfer Fluids
 Pasadyn, Inc.
 Petron Asia Energy PTE Ltd.
 Prime Controls, LP
 Q.B. Johnson Manufacturing, Inc.
 QPS Engineering
 Ref-Chem LP
 Regard Resources Co., Inc.
 Rhine Ruhr Pty, Ltd.
 River City Engineering
 Rockwell Automation
 Ross Engineering, LLC
 Samuel Engineering, Inc.
 Saulsbury Industries, Inc.
 Schultz Process Services, Inc.
 Schwob Energy Services
 Select Engineering, Inc.
 Sep-Pro Systems, Inc.
 Shafer, Kline & Warren, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 Strategic Automation Services, LLC
 STS Consulting Services
 STV, Inc.
 Tegre Corporation
 Tomcej Engineering Inc.
 Toyo Engineering Corp.
 Trailhead Engineering
 TRC Companies, Inc.
 Trimeric Corp.
 UOP Russell
 Upstream Development and Engineering, Inc.
 Vavco, LLC
 WinSim Inc.
 WSP
 York Process Systems
 ZAP Engineering & Construction Services, Inc.
 Zeochem

FACILITIES, EQUIPMENT

AECOM
 Aeon PEC
 Alfa Laval Niagara
 Allied Equipment, Inc.
 ARC Energy Equipment

Azota Ltd.
 Benham, a Haskell Company
 Black & Veatch Corp.
 Cameron, A Schlumberger Company
 CDM, Resource Management, LLC
 CH2M
 Clear Creek Construction
 Comal Energy Services LP
 Contek Solutions, LLC
 CryoSys
 DanCar Energy Construction
 Dew Point Control, LLC
 Dickson Process Systems, Ltd.
 Echo Group, Ltd.
 EDG, Inc.
 EMD, Inc.
 EXTERRAN
 Freeman and Curiel Engineers, LLP
 Gas Equipment Co., Inc.
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Global Compressor, LP
 Hampel Oil Distributors
 Interstate Treating, Inc.
 JGC Corporation
 Joule Processing, LLC
 KP Engineering, LP
 KW International
 Linde Engineering North America, Inc.
 Mueller Environmental Designs
 Nexo Solutions
 Nicholas Consulting Group, Inc.
 Oil-Gastech, Inc.
 Optimized Process Furnaces
 Pasadyn, Inc.
 PFEC, Inc.
 Q.B. Johnson Manufacturing, Inc.
 Ref-Chem LP
 Regard Resources Co., Inc.
 Relevant Solutions
 River City Engineering
 Rotor-Tech, Inc.
 Samuel Engineering, Inc.
 Schultz Process Services, Inc.
 Schwob Energy Services
 SEC Energy Products & Services, LP
 Select Engineering, Inc.
 Sepra-Chem Corp.
 Shafer, Kline & Warren, Inc.
 Smithco Engineering, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 Spitzer Industries
 SPL, Inc.
 STV, Inc.
 Taylor Forge Engineered Systems
 Texas Turbine, Inc.
 TM-EMS, LLC

Toyo Engineering Corp.
 Trailhead Engineering
 TRC Companies, Inc.
 Tri-Point Oil & Gas Production Systems
 Trimeric Corp.
 UOP Russell
 Upstream Development and Engineering, Inc.
 Wagner Power Systems
 Wood Group
 WSP

GAS COMPRESSION — LEASING

Archrock, Inc.
 Axiom Energy Services
 CDM, Resource Management, LLC
 Comal Energy Services LP
 CSI Compressco LP
 EXTERRAN
 Gas Technology Corp.
 J-W Power Company
 MODEC International, Inc.
 Relevant Solutions
 SEC Energy Products & Services, LP
 SNC-Lavalin
 Washington Iron Works
Gas Compression - Repair
 Archrock, Inc.
 Cameron, A Schlumberger Company
 CDM, Resource Management, LLC
 Comal Energy Services LP
 CSI Compressco LP
 DanCar Energy Construction
 Gas Technology Corp.
 GE Oil & Gas
 GEA Refrigeration North America, Inc.
 Global Compressor, LP
 Howden Roots, LLC
 J-W Power Company
 L.A. Turbine
 Moore Control Systems, Inc.
 Neuman & Esser USA, Inc.
 Relevant Solutions
 SEC Energy Products & Services, LP
 Simms Machinery International
 SNC-Lavalin
 United/Wells, Inc.
 Wagner Power Systems
 Washington Iron Works
 Wood Group
 York Process Systems

GAS COMPRESSION — SALES

ARC Energy Equipment
 Archrock, Inc.
 Cameron, A Schlumberger Company
 Comal Energy Services LP
 CSI Compressco LP
 EXTERRAN

FES-Southwest, Inc.
 Gas Technology Corp.
 GE Oil & Gas
 GEA Refrigeration North America, Inc.
 Global Compressor, LP
 J-W Power Company
 L.A. Turbine
 Neuman & Esser USA, Inc.
 Relevant Solutions
 Reset Energy
 SEC Energy Products & Services, LP
 SNC-Lavalin
 Spartan Energy Partners
 United/Wells, Inc.
 Washington Iron Works
 York Process Systems

**INSPECTIONS, TESTING, ANALYSIS — GAS
 CONTAMINATION TESTING**

American Mobile Research
 Comal Energy Services LP
 Empact Analytical Systems, Inc.
 Gas Analytical Solutions, Inc.
 GHD Services, Inc.
 Graves Analytical Services, LLC
 Intertek
 Johnson Petrotech Services, Inc.
 Nexo Solutions
 Orbital Gas Systems
 Pantechs Laboratories, Inc.
 PECOFacet
 Scott Measurement Service, Inc.
 SPL, Inc.
 TM-EMS, LLC
 Wasson-ECE

INSPECTIONS, TESTING, ANALYSIS — GENERAL

AECOM
 American Mobile Research
 Bartlett & West
 Benham, a Haskell Company
 Black & Veatch Corp.
 CAM Integrated Solutions
 CI Valves & Actuation
 Comal Energy Services LP
 D'Agostaro Energy Measurement Services
 DanCar Energy Construction
 Empact Analytical Systems, Inc.
 Environex
 Gas Analytical Services
 GEA Refrigeration North America, Inc.
 Geolex, Inc.
 GHD Services, Inc.
 Graves Analytical Services, LLC
 Heath Consultants Incorporated
 Hunt, Guillot & Associates
 Intertek
 Johnson Petrotech Services, Inc.
 McDaniel Technical Services, Inc.

Monico Monitoring, Inc.
 Nalco, An Ecolab Company
 Nexo Solutions
 Pantechs Laboratories, Inc.
 Power Service GMM
 Scott Measurement Service, Inc.
 Shafer, Kline & Warren, Inc.
 Simms Machinery International
 SPL, Inc.
 STV, Inc.
 Texas Turbine, Inc.
 TM-EMS, LLC
 TRC Companies, Inc.
 Trimeric Corp.
 Wasson-ECE
 Wood Group
 Zedi US
 Zeochem

INSPECTIONS, TESTING, ANALYSIS — PIPELINE

Bartlett & West
 CAM Integrated Solutions
 CI Valves & Actuation
 Coastal Chemical Co., LLC
 Comal Energy Services LP
 DanCar Energy Construction
 Empact Analytical Systems, Inc.
 FESCO, Ltd.
 GHD Services, Inc.
 Graves Analytical Services, LLC
 Hunt, Guillot & Associates
 Johnson Petrotech Services, Inc.
 McDaniel Technical Services, Inc.
 Nalco, An Ecolab Company
 NorthStar Energy Services, Inc.
 Schwob Energy Services
 Shafer, Kline & Warren, Inc.
 SPL, Inc.
 STS Consulting Services
 STV, Inc.
 TM-EMS, LLC
 TRC Companies, Inc.
 Wood Group
 WSB & Associates, Inc.
 Zedi US

**OPERATION, MAINTENANCE, RELIABILITY —
 ANALYTICAL LABORATORIES**

Accurate Lab Audits, LLC
 American Mobile Research
 Aspen Technology, Inc.
 Comal Energy Services LP
 Diablo Analytical, Inc.
 Empact Analytical Systems, Inc.
 Environex
 EXTERRAN
 FESCO, Ltd.
 Graves Analytical Services, LLC

Johnson Petrotech Services, Inc.
 Midway Laboratory, Inc.
 Nalco, An Ecolab Company
 Nexo Solutions
 Pantechs Laboratories, Inc.
 Scott Measurement Service, Inc.
 Shamrock Gas Analysis
 SPL, Inc.
 TM-EMS, LLC
 Zedi US

**OPERATION, MAINTENANCE, RELIABILITY —
 FAILURE ANALYSIS**

Aspen Technology, Inc.
 CI Valves & Actuation
 Comal Energy Services LP
 Emerson
 Environex
 Gas Technology Corp.
 GE Oil & Gas
 GHD Services, Inc.
 J-W Power Company
 Monico Monitoring, Inc.
 Nalco, An Ecolab Company
 Neuman & Esser USA, Inc.
 Samuel Engineering, Inc.
 Shrieve Chemical Products, Inc.
 Simms Machinery International
 Texas Turbine, Inc.
 Washington Iron Works
 Worldwide Exchangers, LLC

**OPERATION, MAINTENANCE, RELIABILITY —
 INSPECTIONS**

Aeon PEC
 CI Valves & Actuation
 Comal Energy Services LP
 Eaton Metal Products Company, LLC
 GHD Services, Inc.
 HETSCO, Inc.
 Hunt, Guillot & Associates
 J-W Power Company
 KW International
 L.A. Turbine
 Nalco, An Ecolab Company
 Neuman & Esser USA, Inc.
 Ref-Chem LP
 Samuel Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 STS Consulting Services
 STV, Inc.
 TRC Companies, Inc.
 Vavco, LLC

**OPERATION, MAINTENANCE, RELIABILITY —
 INSULATION, PAINTING**

Comal Energy Services LP
 DanCar Energy Construction

Gas Technology Corp.
 Grae-Con Construction, Inc.
 ISTI Plant Services
 Oil-Gastech, Inc.
 Saulsbury Industries, Inc.
 Sunland Construction, Inc.
 Wood Group

**OPERATION, MAINTENANCE, RELIABILITY —
 MACHINING AND REPAIR**

Aspen Technology, Inc.
 Atlas Copco Gas and Process
 CI Valves & Actuation
 Comal Energy Services LP
 DanCar Energy Construction
 DXP PumpWorks
 Emerson
 Gas Technology Corp.
 GE Oil & Gas
 Great Western Valve, Inc.
 HETSCO, Inc.
 J-W Power Company
 Kams, Inc.
 KW International
 Louisiana Valve Source, Inc.
 Neuman & Esser USA, Inc.
 Simms Machinery International
 SPL, Inc.
 United/Wells, Inc.
 Wagner Power Systems
 Wood Group
 Worldwide Exchangers, LLC

**OPERATION, MAINTENANCE, RELIABILITY —
 MEASUREMENT**

Aspen Technology, Inc.
 Cameron, A Schlumberger Company
 Coastal Flow Measurement, Inc.
 Comal Energy Services LP
 D'Agostaro Energy Measurement Services
 Diablo Analytical, Inc.
 Emerson
 Empact Analytical Systems, Inc.
 Graves Analytical Services, LLC
 Heath Consultants Incorporated
 Louisiana Valve Source, Inc.
 Mangan, Inc.
 Neuman & Esser USA, Inc.
 Omni Flow Computers, Inc.
 Power Service GMM
 Samuel Engineering, Inc.
 Schneider Electric Systems, USA
 Shafer, Kline & Warren, Inc.
 SPL, Inc.
 STV, Inc.
 TM-EMS, LLC
 TRC Companies, Inc.
 Wood Group

**OPERATION, MAINTENANCE, RELIABILITY —
PERFORMANCE ANALYSIS**

Aspen Technology, Inc.
 Black & Veatch Corp.
 CI Valves & Actuation
 Comal Energy Services LP
 EMD, Inc.
 Emerson
 Empact Analytical Systems, Inc.
 Environex
 eSimulation, Inc.
 Gas Technology Corp.
 GE Oil & Gas
 Graves Analytical Services, LLC
 JEM Resources & Engineering, Inc.
 L.A. Turbine
 Monico Monitoring, Inc.
 Neuman & Esser USA, Inc.
 Nexo Solutions
 Nicholas Consulting Group, Inc.
 Ortlhoff Engineers, Ltd.
 Pantechs Laboratories, Inc.
 Pasadyn, Inc.
 Petron Asia Energy PTE Ltd.
 River City Engineering
 Ross Engineering, LLC
 Samuel Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 Simms Machinery International
 STV, Inc.
 Texas Turbine, Inc.
 Toyo Engineering Corp.
 TRC Companies, Inc.
 Trimeric Corp.
 Vavco, LLC

**OPERATION, MAINTENANCE, RELIABILITY —
SERVICES**

AECOM
 Aeon PEC
 Anguil Environmental Systems
 Archrock, Inc.
 Atlas Copco Gas and Process
 Bechtel
 Bilfinger Westcon, Inc.
 Black & Veatch Corp.
 Cameron, A Schlumberger Company
 Catalytic Products International, Inc.
 CH2M
 Chiyoda Corp.
 CI Valves & Actuation
 Comal Energy Services LP
 DanCar Energy Construction
 EMD, Inc.
 Emerson
 Environex
 eSimulation, Inc.
 Federal Services, LLC
 Gas Technology Corp.

GasTech Engineering, LLC
 GE Oil & Gas
 Grae-Con Construction, Inc.
 Graves Analytical Services, LLC
 Hampel Oil Distributors
 HETSCO, Inc.
 J-W Power Company
 KBR
 Mueller Environmental Designs
 Nalco, An Ecolab Company
 Neuman & Esser USA, Inc.
 Nexo Solutions
 Oil-Gastech, Inc.
 Ortlhoff Engineers, Ltd.
 Saulsbury Industries, Inc.
 Schwob Energy Services
 Shafer, Kline & Warren, Inc.
 Shamrock Gas Analysis
 Shrieve Chemical Products, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 STS Consulting Services
 STV, Inc.
 Sunland Construction, Inc.
 TM-EMS, LLC
 TRC Companies, Inc.
 United/Wells, Inc.
 Vavco, LLC
 Wood Group
 Worldwide Exchangers, LLC

**PROCESS CONTROLS — INSTRUMENT AND
ELECTRICAL CONSTRUCTION**

Anvil Corporation
 Barry D. Payne & Associates, Inc.
 Bechtel
 Benham, a Haskell Company
 Bilfinger Westcon, Inc.
 Black & Veatch Corp.
 Buffalo Gap Instrumentation & Electrical
 Coastal Flow Measurement, Inc.
 Comal Energy Services LP
 DanCar Energy Construction
 EDG, Inc.
 EMD, Inc.
 Emerson
 EnerSys Corporation
 FW Murphy Production Controls
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 GHD Services, Inc.
 JGC Corporation
 LCM Industries, Inc.
 Linde Engineering North America, Inc.
 Mangan, Inc.
 Master Corporation
 Moore Control Systems, Inc.
 Nicholas Consulting Group, Inc.
 NorthStar Energy Services, Inc.

Oil-Gastech, Inc.
 Optimized Process Designs
 Petrotech, Inc.
 Prime Controls, LP
 Relevant Solutions
 Reset Energy
 Rockwell Automation
 Ross Engineering, LLC
 Samuel Engineering, Inc.
 Saulsbury Industries, Inc.
 Schneider Electric Systems, USA
 Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 SPL, Inc.
 Strategic Automation Services, LLC
 STV, Inc.
 Sunland Construction, Inc.
 TRC Companies, Inc.
 UOP Russell
 Vavco, LLC
 Vinson Process Controls
 Walker Industrial
 Wood Group

PROCESS CONTROLS — LICENSED PROCESSES

Barry D. Payne & Associates, Inc.
 Bechtel
 Benham, a Haskell Company
 Black & Veatch Corp.
 Comal Energy Services LP
 EMD, Inc.
 Emerson
 EXTERRAN
 GEA Refrigeration North America, Inc.
 GHD Services, Inc.
 Huntsman Corp.
 KBR
 Ortloff Engineers, Ltd.
 Prime Controls, LP
 Rockwell Automation
 STV, Inc.
 Vinson Process Controls

TECHNOLOGY — LNG PROCESSES

AECOM
 Aspen Technology, Inc.
 Atlas Copco Gas and Process
 Azota Ltd.
 Bechtel
 Black & Veatch Corp.
 Cameron, A Schlumberger Company
 Chart Industries
 Comal Energy Services LP
 CryoSys
 Emerson
 EXTERRAN
 GasTech Engineering, LLC
 J. H. Foglietta Consulting, LLC

JGC Corporation
 Johnson Petrotech Services, Inc.
 Linde Engineering North America, Inc.
 Moore Control Systems, Inc.
 Nalco, An Ecolab Company
 Nexo Solutions
 Ortloff Engineers, Ltd.
 Pasadyn, Inc.
 Pentair
 Petron Asia Energy PTE Ltd.
 Q.B. Johnson Manufacturing, Inc.
 Rockwell Automation
 Ross Engineering, LLC
 Simms Machinery International
 Toyo Engineering Corp.
 Trailhead Engineering
 Zeochem

TECHNOLOGY — NITROGEN REJECTION

AECOM
 Aspen Technology, Inc.
 Azota Ltd.
 Bechtel
 Black & Veatch Corp.
 Chart Industries
 Comal Energy Services LP
 CryoSys
 Emerson
 J. H. Foglietta Consulting, LLC
 Linde Engineering North America, Inc.
 Ortloff Engineers, Ltd.
 Pasadyn, Inc.
 Petron Asia Energy PTE Ltd.
 Rockwell Automation
 Ross Engineering, LLC
 Sep-Pro Systems, Inc.
 Toyo Engineering Corp.
 UOP Russell
 Zeochem

TECHNOLOGY — OFFGAS RECOVERY

AECOM
 Anguil Environmental Systems
 Aspen Technology, Inc.
 Azota Ltd.
 Black & Veatch Corp.
 Catalytic Products International, Inc.
 Comal Energy Services LP
 CryoSys
 Dickson Process Systems, Ltd.
 Emerson
 Gas Technology Corp.
 GEA Refrigeration North America, Inc.
 Interstate Treating, Inc.
 J. H. Foglietta Consulting, LLC
 JGC Corporation
 Linde Engineering North America, Inc.
 Moore Control Systems, Inc.
 Ortloff Engineers, Ltd.

Pasadyne, Inc.
 Pentair
 Petron Asia Energy PTE Ltd.
 Rockwell Automation
 Ross Engineering, LLC
 Sep-Pro Systems, Inc.
 Simms Machinery International
 SNC-Lavalin
 Toyo Engineering Corp.
 Trimeric Corp.
 Vavco, LLC
 Zeochem

**TRAINING, PUBLICATIONS — PIPELINE
 MAPS & DATA**

Comal Energy Services LP
 COMPRESSORtech
 Shafer, Kline & Warren, Inc.
 SULPETRO, Inc.

TRAINING, PUBLICATIONS — PROCESS

Black & Veatch Corp.
 Comal Energy Services LP
 COMPRESSORtech
 Dickson Process Systems, Ltd.
 eSimulation, Inc.
 Federal Services, LLC
 Gulf Publishing Co.
 J. H. Foglietta Consulting, LLC
 Nexo Solutions
 Optimized Gas Treating, Inc.
 Ortloff Engineers, Ltd.
 Pasadyne, Inc.
 QuantityWare GmbH
 River City Engineering
 SULPETRO, Inc.
 Trimeric Corp.
 Vavco, LLC

TREATING — GAS

Accelerated Process Systems
 AECOM
 Aether DBS
 Allied Equipment, Inc.
 Anguil Environmental Systems
 ARC Energy Equipment
 Aspen Technology, Inc.
 Bartlett Equipment Co.
 Benham, a Haskell Company
 Black & Veatch Corp.
 Catalytic Products International, Inc.
 CDM, Resource Management, LLC
 Coastal Chemical Co., LLC
 Comal Energy Services LP
 CryoSys
 Dickson Process Systems, Ltd.
 EDG, Inc.

EXTERRAN
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gulf Coast Chemical, LLC
 Huntsman Corp.
 Industrial Distributors, Inc.
 INEOS GAS/SPEC Technology Group
 Interra Global Corp.
 Interstate Treating, Inc.
 Jasper Ventures, Inc.
 Johnson Matthey
 Johnson Petrotech Services, Inc.
 Joule Processing, LLC
 Kahuna Ventures
 KP Engineering, LP
 Linde Engineering North America, Inc.
 M Chemical Company
 Merichem
 Nalco, An Ecolab Company
 Nexo Solutions
 Optimized Process Designs
 Pasadyne, Inc.
 Pentair
 Q.B. Johnson Manufacturing, Inc.
 Q2 Technologies, LLC
 Reset Energy
 Ross Engineering, LLC
 Samuel Engineering, Inc.
 Schwob Energy Services
 Select Engineering, Inc.
 Sepra-Chem Corp.
 SNC-Lavalin
 Spartan Energy Partners
 Spitzer Industries
 STS Consulting Services
 STV, Inc.
 Tomcej Engineering Inc.
 Trailhead Engineering
 Trimeric Corp.
 Tryer Process Equipment
 Univar
 UOP Russell
 Vapor Point
 Zeochem

TREATING — LIQUID

Accelerated Process Systems
 AECOM
 Allied Equipment, Inc.
 Anguil Environmental Systems
 ARC Energy Equipment
 Aspen Technology, Inc.
 Benham, a Haskell Company
 Black & Veatch Corp.
 Catalytic Products International, Inc.
 CDM, Resource Management, LLC
 Coastal Chemical Co., LLC

Comal Energy Services LP
EDG, Inc.
EXTERRAN
Gas Technology Corp.
GasTech Engineering, LLC
GEA Refrigeration North America, Inc.
Gulf Coast Chemical, LLC
Huntsman Corp.
Industrial Distributors, Inc.
INEOS GAS/SPEC Technology Group
Interra Global Corp.
Interstate Treating, Inc.
Johnson Matthey
Johnson Petrotech Services, Inc.
Joule Processing, LLC
Kahuna Ventures
KP Engineering, LP
Linde Engineering North America, Inc.
M Chemical Company
Merichem
Nalco, An Ecolab Company

Nexo Solutions
Optimized Process Designs
Pasadyn, Inc.
Pentair
Q2 Technologies, LLC
Reset Energy
Ross Engineering, LLC
Samuel Engineering, Inc.
Schwob Energy Services
Select Engineering, Inc.
Septra-Chem Corp.
SNC-Lavalin
Spartan Energy Partners
STS Consulting Services
STV, Inc.
Tomcej Engineering Inc.
Trailhead Engineering
Trimeric Corp.
Univar
UOP Russell
Zeochem

Classification of Members

Supplies

GPSA

Sixty Sixty American Plaza, Suite 700

Tulsa, Oklahoma 74135

Phone: 918-493-3872

Fax: 918-493-3875

Email: gpsa@GPAglobal.org

<http://gpsa.GPAglobal.org>

The following is a listing of GPSA member companies classified by the type of services that they provide to the industry.

<p>ADSORBENTS, CATALYSTS, MOLESIEVES</p> <p>Anguil Environmental Systems Catalytic Combustion Corporation Catalytic Products International, Inc. CECA Molecular Sieves/Arkema, Inc. Chemical Products Industries, Inc. Coastal Chemical Co., LLC EXTERRAN GasTech Engineering, LLC Gulf Coast Chemical, LLC Industrial Distributors, Inc. Interra Global Corp. Johnson Matthey M Chemical Company MIRATECH Corp. Mueller Environmental Designs Q.B. Johnson Manufacturing, Inc. Western Filter Co., Inc. WR Grace Zeochem</p>	<p>Relevant Solutions SpectraSensors, Inc. SPL, Inc. TM-EMS, LLC Vector Controls and Automation Group Wasson-ECE</p>
<p>ANALYZERS, SAMPLING SYSTEMS</p> <p>Accurate Lab Audits, LLC Analytical Systems Keco Bechtel Cameron, A Schlumberger Company D'Agostaro Energy Measurement Services Diablo Analytical, Inc. Emerson FESCO, Ltd. Graves Analytical Services, LLC Hampel Oil Distributors Heath Consultants Incorporated Intertek JP3 Measurement Metal Goods Manufacturing Co. Inc. MIRATECH Corp. Nalco, An Ecolab Company Orbital Gas Systems</p>	<p>AUTOMATION, INSTRUMENTS, PROCESS CONTROLS</p> <p>Aeon PEC ARC Energy Equipment Aspen Technology, Inc. Barry D. Payne & Associates, Inc. Bartlett Equipment Co. Bechtel Buffalo Gap Instrumentation & Electrical Catalytic Combustion Corporation Catalytic Products International, Inc. CI Valves & Actuation Coastal Flow Measurement, Inc. DanCar Energy Construction Diablo Analytical, Inc. EMD, Inc. Emerson Federal Services, LLC FW Murphy Production Controls GasTech Engineering, LLC Kahuna Ventures KW International LCM Industries, Inc. Mangan, Inc. MIRATECH Corp. Monico Monitoring, Inc. Moore Control Systems, Inc. Nalco, An Ecolab Company Orbital Gas Systems Petrotech, Inc. Prime Controls, LP Puffer Sweiven</p>

Relevant Solutions
 Reset Energy
 Rexel, Inc.
 Rockwell Automation
 Schneider Electric Systems, USA
 SEC Energy Products & Services, LP
 Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 SPL, Inc.
 Strategic Automation Services, LLC
 Texas Turbine, Inc.
 TM-EMS, LLC
 TRC Companies, Inc.
 Vavco, LLC
 Vector Controls and Automation Group
 Vinson Process Controls
 Walker Industrial

BUILDINGS

Bechtel
 Clear Creek Construction
 DanCar Energy Construction
 Fibrebond Power
 Grae-Con Construction, Inc.
 Moore Control Systems, Inc.
 Orbital Gas Systems
 Schwob Energy Services
 Shafer, Kline & Warren, Inc.
 Sunland Construction, Inc.
 Terracon Consultants, Inc.
 TM-EMS, LLC
 United Steel Structures, Inc.
 Walker Industrial
 Wasson-ECE
 Wood Group

CHEMICALS

Bechtel
 Chemical Products Industries, Inc.
 Coastal Chemical Co., LLC
 Gulf Coast Chemical, LLC
 Hampel Oil Distributors
 Huntsman Corp.
 INEOS GAS/SPEC Technology Group
 M Chemical Company
 Nalco, An Ecolab Company
 Nexo Solutions
 Paratherm - Heat Transfer Fluids
 Q2 Technologies, LLC
 Shrieve Chemical Products, Inc.
 Univar

COMPLIANCE (CONTINGENCY PLANS, EMISSION CONTROLS, SAFETY EQUIPMENT)

Anguil Environmental Systems
 Boots & Coots
 Catalytic Combustion Corporation

Catalytic Products International, Inc.
 Contek Solutions, LLC
 Environex
 Flatrock Engineering and Environmental
 FW Murphy Production Controls
 Heath Consultants Incorporated
 Johnson Petrotech Services, Inc.
 MIRATECH Corp.
 Monico Monitoring, Inc.
 Terracon Consultants, Inc.
 TRC Companies, Inc.
 Tri-Point Oil & Gas Production Systems
 Vapor Point
 Vector Controls and Automation Group
 Western Filter Co., Inc.

COMPRESSORS (AND PARTS)

ARC Energy Equipment
 Archrock, Inc.
 Ariel Corporation
 Atlas Copco Gas and Process
 Bechtel
 Cameron, A Schlumberger Company
 CDM, Resource Management, LLC
 CSI Compressco LP
 Everest Sciences
 FES-Southwest, Inc.
 Gas Equipment Co., Inc.
 GE Oil & Gas
 GEA Refrigeration North America, Inc.
 Global Compressor, LP
 Howden Roots, LLC
 J-W Power Company
 L.A. Turbine
 Monico Monitoring, Inc.
 Neuman & Esser USA, Inc.
 Petron Asia Energy PTE Ltd.
 Relevant Solutions
 Rockwell Automation
 SEC Energy Products & Services, LP
 Sep-Pro Systems, Inc.
 Simms Machinery International
 SNC-Lavalin
 Sundyne Corporation
 Texas Turbine, Inc.
 United/Wells, Inc.
 Washington Iron Works
 Western Filter Co., Inc.
 York Process Systems

ELECTRIC MOTORS (AND SUPPLIES)

Bechtel
 Buffalo Gap Instrumentation & Electrical
 EMD, Inc.
 Gas Equipment Co., Inc.
 GE Oil & Gas
 Mueller Environmental Designs
 Rexel, Inc.

Rotor-Tech, Inc.
SEC Energy Products & Services, LP
Walker Industrial

ENGINES (AND PARTS)

ARC Energy Equipment
Archrock, Inc.
CSI Compressco LP
Cummins, Inc.
GE Oil & Gas
Global Compressor, LP
J-W Power Company
Monico Monitoring, Inc.
Mueller Environmental Designs
SNC-Lavalin
United/Wells, Inc.
Wagner Power Systems
Western Filter Co., Inc.

FILTERS

Accelerated Process Systems
Aeon PEC
Aqseptence Group, Inc.
ARC Energy Equipment
Bartlett Equipment Co.
Bechtel
BHS-Sonthofen, Inc.
Champion Process, Inc.
Condit Co.
Everest Sciences
Fabwell Corp.
Freeman and Curiel Engineers, LLP
Gas Technology Corp.
GasTech Engineering, LLC
GEA Refrigeration North America, Inc.
Global Compressor, LP
Gulf Coast Engineered Solutions, Inc.
Industrial Distributors, Inc.
Jonell, Inc.
KW International
MIRATECH Corp.
Mueller Environmental Designs
Nexo Solutions
PECOFacet
Pentair
PSI (Process Solutions Integration)
Q.B. Johnson Manufacturing, Inc.
R&H Technical Sales, Inc.
Relevant Solutions
Rotor-Tech, Inc.
Royal Filter Mfg. Co., Inc.
Schultz Process Services, Inc.
SEC Energy Products & Services, LP
Septra-Chem Corp.
Western Filter Co., Inc.

FIRED EQUIP (BOILERS, FLARES, HEATERS)

Accelerated Process Systems
Aeon PEC

Anguil Environmental Systems
ARC Energy Equipment
Bartlett Equipment Co.
Bechtel
Catalytic Combustion Corporation
Catalytic Products International, Inc.
Condit Co.
Files and Associates
Gas Technology Corp.
GasTech Engineering, LLC
Gulf Coast Engineered Solutions, Inc.
Heatec, Inc.
John Zink Company, LLC
KW International
Matrix PDM Engineering
Moore Control Systems, Inc.
Optimized Process Furnaces
PFEC, Inc.
Q.B. Johnson Manufacturing, Inc.
R&H Technical Sales, Inc.
Relevant Solutions
Reset Energy
Scelerin Heaters, LLC
Sep-Pro Systems, Inc.
Spitzer Industries
Taylor Forge Engineered Systems
Tri-Point Oil & Gas Production Systems

INDUSTRIAL AND SPECIALTY GASES

Accurate Gas Products, LLC
Airgas
Gas and Supply
Lampton Welding Supply Co., Inc.
Red Ball Technical Gas Services

MEMBRANES

ARC Energy Equipment
Condit Co.
Industrial Distributors, Inc.
Pentair
Relevant Solutions

ODORIZATION, ODOR CONTROL

Anguil Environmental Systems
Catalytic Combustion Corporation
Catalytic Products International, Inc.
Heath Consultants Incorporated
M Chemical Company
Mueller Environmental Designs
Nalco, An Ecolab Company
Orbital Gas Systems
Schultz Process Services, Inc.
Vapor Point

PACKAGED SYSTEMS

Accelerated Process Systems
AECOM
Aeon PEC

Aether DBS
 Allied Equipment, Inc.
 Anguil Environmental Systems
 ARC Energy Equipment
 Bechtel
 Catalytic Combustion Corporation
 Catalytic Products International, Inc.
 Champion Process, Inc.
 CI Valves & Actuation
 CSI Compressco LP
 Dickson Process Systems, Ltd.
 Emerson
 EXTERRAN
 Federal Services, LLC
 FES-Southwest, Inc.
 Fibrebond Power
 Files and Associates
 Gas Technology Corp.
 GasTech Engineering, LLC
 GE Oil & Gas
 GEA Refrigeration North America, Inc.
 Gulf Coast Engineered Solutions, Inc.
 Heatec, Inc.
 Hunt, Guillot & Associates
 J-W Power Company
 Jasper Ventures, Inc.
 John Zink Company, LLC
 Joule Processing, LLC
 Koch-Glitsch LP
 KP Engineering, LP
 KW International
 Linde Engineering North America, Inc.
 Louisiana Valve Source, Inc.
 Matrix PDM Engineering
 MODEC International, Inc.
 Moore Control Systems, Inc.
 Nexo Solutions
 Orbital Gas Systems
 Pentair
 Q.B. Johnson Manufacturing, Inc.
 R&H Technical Sales, Inc.
 Regard Resources Co., Inc.
 Relevant Solutions
 Reset Energy
 Schultz Process Services, Inc.
 Sep-Pro Systems, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 Spitzer Industries
 SPL, Inc.
 Taylor Forge Engineered Systems
 Texas Turbine, Inc.
 TM-EMS, LLC
 Tri-Point Oil & Gas Production Systems
 Tryer Process Equipment
 United/Wells, Inc.
 Vector Controls and Automation Group
 Wagner Power Systems
 York Process Systems

PIPE, VALVES, FITTINGS, REGULATORS

Accurate Gas Products, LLC
 Aeon PEC
 ARC Energy Equipment
 Bartlett Equipment Co.
 Bechtel
 Cameron, A Schlumberger Company
 Chromatic Industries
 CI Valves & Actuation
 Corpac Steel Products Corp.
 Emerson
 Energy Products Company
 Federal Services, LLC
 FESCO, Ltd.
 FW Murphy Production Controls
 Gas Equipment Co., Inc.
 Gas Technology Corp.
 GasTech Engineering, LLC
 Grae-Con Construction, Inc.
 Joule Processing, LLC
 KW International
 LCM Industries, Inc.
 Louisiana Valve Source, Inc.
 Metal Goods Manufacturing Co. Inc.
 PSI (Process Solutions Integration)
 R&H Technical Sales, Inc.
 Scott Measurement Service, Inc.
 SPL, Inc.
 TM-EMS, LLC
 Tri-Point Oil & Gas Production Systems
 Vector Controls and Automation Group
 Vinson Process Controls

PIPELINE EQUIPMENT (INSTALLATION, PIGGING, REPAIR)

Accelerated Process Systems
 Bechtel
 Champion Process, Inc.
 GasTech Engineering, LLC
 GE Oil & Gas
 Holloman Corporation
 R&H Technical Sales, Inc.
 Saulsbury Industries, Inc.
 Schultz Process Services, Inc.
 Select Engineering, Inc.
 Shafer, Kline & Warren, Inc.
 Sunland Construction, Inc.
 Taylor Forge Engineered Systems
 TM-EMS, LLC
 TRC Companies, Inc.
 Wagner Power Systems
 Western Filter Co., Inc.

PROCESS EQUIPMENT - AIR COOLERS

Aeon PEC
 Alfa Laval Niagara
 ARC Energy Equipment
 Bartlett Equipment Co.
 Bechtel

CDM, Resource Management, LLC
 Chart Industries
 Everest Sciences
 EXTERRAN
 Fabsco Shell & Tube, LLC
 Files and Associates
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gulf Coast Engineered Solutions, Inc.
 Joule Processing, LLC
 Petron Asia Energy PTE Ltd.
 Ref-Chem LP
 Relevant Solutions
 Reset Energy
 Sep-Pro Systems, Inc.
 Smithco Engineering, Inc.
 Spartan Energy Partners
 Toyo Engineering Corp.
 Worldwide Exchangers, LLC

PROCESS EQUIPMENT - DEHYDRATION

Accelerated Process Systems
 AECOM
 Aeon PEC
 Aether DBS
 Allied Equipment, Inc.
 Aqseptence Group, Inc.
 ARC Energy Equipment
 Bechtel
 CDM, Resource Management, LLC
 CI Valves & Actuation
 CryoSys
 Dickson Process Systems, Ltd.
 EXTERRAN
 Fabwell Corp.
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gemstar, Inc.
 Heatec, Inc.
 Interstate Treating, Inc.
 Joule Processing, LLC
 Koch-Glitsch LP
 KP Engineering, LP
 KW International
 Linde Engineering North America, Inc.
 Louisiana Valve Source, Inc.
 Nexo Solutions
 Norwood S&S, LLC
 PFEC, Inc.
 Q.B. Johnson Manufacturing, Inc.
 R&H Technical Sales, Inc.
 Ref-Chem LP
 Regard Resources Co., Inc.
 Relevant Solutions
 Reset Energy
 Rhine Ruhr Pty, Ltd.
 Rotor-Tech, Inc.

Schultz Process Services, Inc.
 SEC Energy Products & Services, LP
 Select Engineering, Inc.
 Sep-Pro Systems, Inc.
 Shafer, Kline & Warren, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 Spitzer Industries
 Taylor Forge Engineered Systems
 Toyo Engineering Corp.
 Tri-Point Oil & Gas Production Systems
 Tryer Process Equipment
 UOP Russell
 York Process Systems

PROCESS EQUIPMENT - MEASUREMENT

AECOM
 Aether DBS
 Analytical Systems Keco
 ARC Energy Equipment
 Bechtel
 Cameron, A Schlumberger Company
 Chromatic Industries
 CI Valves & Actuation
 EMD, Inc.
 Emerson
 Empact Analytical Systems, Inc.
 Federal Services, LLC
 FESCO, Ltd.
 GEA Refrigeration North America, Inc.
 Graves Analytical Services, LLC
 Heath Consultants Incorporated
 JP3 Measurement
 L.A. Turbine
 Louisiana Valve Source, Inc.
 Moore Control Systems, Inc.
 Omni Flow Computers, Inc.
 PFEC, Inc.
 Power Service GMM
 R&H Technical Sales, Inc.
 Relevant Solutions
 Schultz Process Services, Inc.
 Select Engineering, Inc.
 SNC-Lavalin
 Spitzer Industries
 SPL, Inc.
 TM-EMS, LLC
 Toyo Engineering Corp.
 Vector Controls and Automation Group
 Walker Industrial
 Wasson-ECE
 Zedi US
Process Equipment - Turboexpanders
 ARC Energy Equipment
 Atlas Copco Gas and Process
 Bartlett Equipment Co.
 Bechtel
 Joule Processing, LLC
 KP Engineering, LP

L.A. Turbine
 Petron Asia Energy PTE Ltd.
 Simms Machinery International
 Texas Turbine, Inc.
 Toyo Engineering Corp.
 United/Wells, Inc.
 UOP Russell

PROCESS EQUIPMENT - VAPOR RECOVERY UNITS

Accelerated Process Systems
 Aether DBS
 ARC Energy Equipment
 Bechtel
 Catalytic Combustion Corporation
 CDM, Resource Management, LLC
 Dew Point Control, LLC
 Emerson
 EXTERRAN
 Fabwell Corp.
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 John Zink Company, LLC
 Joule Processing, LLC
 KW International
 Louisiana Valve Source, Inc.
 Norwood S&S, LLC
 PFEC, Inc.
 R&H Technical Sales, Inc.
 Ref-Chem LP
 Reset Energy
 Select Engineering, Inc.
 Sep-Pro Systems, Inc.
 SNC-Lavalin
 Spartan Energy Partners
 Taylor Forge Engineered Systems
 Texas Turbine, Inc.
 Toyo Engineering Corp.
 Vapor Point
 York Process Systems

PROCESS EQUIPMENT - VESSELS, TANKS

Accelerated Process Systems
 AECOM
 Aeon PEC
 Allied Equipment, Inc.
 Aqseptence Group, Inc.
 ARC Energy Equipment
 Bechtel
 BWFS Industries, LLC
 CDM, Resource Management, LLC
 Champion Process, Inc.
 Chart Industries
 Dew Point Control, LLC
 Dickson Process Systems, Ltd.
 Eaton Metal Products Company, LLC
 Echo Group, Ltd.
 Fabwell Corp.
 Files and Associates

Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gemstar, Inc.
 Gulf Coast Engineered Solutions, Inc.
 Heatec, Inc.
 HETSCO, Inc.
 Industrial Distributors, Inc.
 Interstate Treating, Inc.
 Joule Processing, LLC
 Koch-Glitsch LP
 KW International
 Louisiana Valve Source, Inc.
 Matrix PDM Engineering
 Mueller Environmental Designs
 Norwood S&S, LLC
 PECOFacet
 Pentair
 PFEC, Inc.
 PSI (Process Solutions Integration)
 Q.B. Johnson Manufacturing, Inc.
 R&H Technical Sales, Inc.
 Regard Resources Co., Inc.
 Relevant Solutions
 Rhine Ruhr Pty, Ltd.
 Schultz Process Services, Inc.
 SEC Energy Products & Services, LP
 Select Engineering, Inc.
 Sep-Pro Systems, Inc.
 SNC-Lavalin
 Spitzer Industries
 Taylor Forge Engineered Systems
 Toyo Engineering Corp.
 Tri-Point Oil & Gas Production Systems
 Trinity Containers, LLC
 Tryer Process Equipment
 Western Filter Co., Inc.
 Worldwide Exchangers, LLC

PROCESS EQUIPMENT - WASTE HEAT RECOVERY

Aeon PEC
 Aether DBS
 Anguil Environmental Systems
 ARC Energy Equipment
 Atlas Copco Gas and Process
 Bartlett Equipment Co.
 Bechtel
 Catalytic Products International, Inc.
 EXTERRAN
 Files and Associates
 Gas Technology Corp.
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gulf Coast Engineered Solutions, Inc.
 Heatec, Inc.
 Joule Processing, LLC
 Matrix PDM Engineering
 Nalco, An Ecolab Company
 Optimized Process Furnaces
 Petron Asia Energy PTE Ltd.

R&H Technical Sales, Inc.
 Relevant Solutions
 Scelerin Heaters, LLC
 Sep-Pro Systems, Inc.
 Spartan Energy Partners
 Texas Turbine, Inc.
 Toyo Engineering Corp.

PROCESS EQUIPMENT – CRYOGENIC

Allied Equipment, Inc.
 ARC Energy Equipment
 Atlas Copco Gas and Process
 Bechtel
 Chart Industries
 CI Valves & Actuation
 CryoSys
 Emerson
 EXTERRAN
 Fabwell Corp.
 Files and Associates
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gemstar, Inc.
 Heatec, Inc.
 HETSCO, Inc.
 Jasper Ventures, Inc.
 Joule Processing, LLC
 Koch-Glitsch LP
 KP Engineering, LP
 L.A. Turbine
 Linde Engineering North America, Inc.
 Metal Goods Manufacturing Co. Inc.
 Norwood S&S, LLC
 Pentair
 Petron Asia Energy PTE Ltd.
 Q.B. Johnson Manufacturing, Inc.
 Relevant Solutions
 Select Engineering, Inc.
 Sep-Pro Systems, Inc.
 Shafer, Kline & Warren, Inc.
 Simms Machinery International
 SNC-Lavalin
 Spitzer Industries
 Texas Turbine, Inc.
 Trailhead Engineering
 UOP Russell

PROCESS EQUIPMENT – EXCHANGERS

Aeon PEC
 Anguil Environmental Systems
 ARC Energy Equipment
 Atlas Copco Gas and Process
 AXH Air-Coolers
 Bartlett Equipment Co.
 Bechtel
 Catalytic Products International, Inc.
 Chart Industries
 Dew Point Control, LLC

Echo Group, Ltd.
 EXTERRAN
 Fabsco Shell & Tube, LLC
 Federal Services, LLC
 FES-Southwest, Inc.
 Files and Associates
 Gas Technology Corp.
 GEA Refrigeration North America, Inc.
 Gulf Coast Engineered Solutions, Inc.
 HETSCO, Inc.
 Joule Processing, LLC
 L.A. Turbine
 Petron Asia Energy PTE Ltd.
 Q.B. Johnson Manufacturing, Inc.
 R&H Technical Sales, Inc.
 Ref-Chem LP
 Regard Resources Co., Inc.
 Relevant Solutions
 Sep-Pro Systems, Inc.
 Spartan Energy Partners
 Taylor Forge Engineered Systems
 Toyo Engineering Corp.
 Tri-Point Oil & Gas Production Systems
 Worldwide Exchangers, LLC
 York Process Systems

PROCESS EQUIPMENT - LNG

Accelerated Process Systems
 Allied Equipment, Inc.
 Aqseptence Group, Inc.
 ARC Energy Equipment
 Atlas Copco Gas and Process
 Bechtel
 CDM, Resource Management, LLC
 Champion Process, Inc.
 Chart Industries
 CI Valves & Actuation
 CryoSys
 Emerson
 EXTERRAN
 Fabwell Corp.
 Files and Associates
 GasTech Engineering, LLC
 GEA Refrigeration North America, Inc.
 Gemstar, Inc.
 Heatec, Inc.
 Koch-Glitsch LP
 KW International
 L.A. Turbine
 Linde Engineering North America, Inc.
 Metal Goods Manufacturing Co. Inc.
 Norwood S&S, LLC
 Pentair
 Petron Asia Energy PTE Ltd.
 Q.B. Johnson Manufacturing, Inc.
 Ref-Chem LP
 Relevant Solutions
 Reset Energy
 Schultz Process Services, Inc.

Simms Machinery International
 Spartan Energy Partners
 Texas Turbine, Inc.
 Toyo Engineering Corp.
 Trailhead Engineering
 York Process Systems

PUMPS

Accelerated Process Systems
 ARC Energy Equipment
 Atlas Copco Gas and Process
 Bartlett Equipment Co.
 Bechtel
 Champion Process, Inc.
 CSI Compressco LP
 DXP PumpWorks
 Federal Services, LLC
 Gas Equipment Co., Inc.
 Gas Technology Corp.
 Gulf Coast Engineered Solutions, Inc.
 Joule Processing, LLC
 Petron Asia Energy PTE Ltd.
 PM Energy, LLC
 Puffer Sweiven
 Rotor-Tech, Inc.
 Select Engineering, Inc.
 SERO PumpSystems, Inc.
 SNC-Lavalin
 Sundyne Corporation
 Wagner Power Systems
 Washington Iron Works
 Western Filter Co., Inc.

RECONDITIONED, SURPLUS EQUIPMENT

Aeon PEC
 ARC Energy Equipment
 Archrock, Inc.

Cameron, A Schlumberger Company
 CI Valves & Actuation
 DXP PumpWorks
 Emerson
 Gas Technology Corp.
 Interstate Treating, Inc.
 Joule Processing, LLC
 KW International
 Louisiana Valve Source, Inc.
 Regard Resources Co., Inc.
 Reset Energy
 SEC Energy Products & Services, LP
 Simms Machinery International
 TM-EMS, LLC
 Tri-Point Oil & Gas Production Systems
 United/Wells, Inc.
 Vinson Process Controls
 Washington Iron Works

SOFTWARE

Aspen Technology, Inc.
 Atlas Copco Gas and Process
 Bryan Research & Engineering, Inc.
 Diablo Analytical, Inc.
 EMD, Inc.
 Gas Analytical Services
 Joule Processing, LLC
 Mangan, Inc.
 Monico Monitoring, Inc.
 Nexo Solutions
 Panton Inc.
 Prime Controls, LP
 Rockwell Automation
 Shafer, Kline & Warren, Inc.
 Virtual Materials Group
 Walker Industrial
 Wasson-ECE
 WinSim Inc.