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B3PE Newsletter

Engineering And Software For The Natural Gas Industry

February 2023

We know it has been a while, but we have news to share and thought it was about time to let you know about it. It is a long one, but try to make to the end, there is lots of good stuff.

GASCalc™ & GASWorkS™ Training



New Location - Leak City Alabama

Many of you have asked for training more convenient for folks east of the Mississippi River. We have training scheduled at the Leak City facility in Athens Alabama for **May 23-25**. Hopefully some of you can make it. The training will cover GASCalc on the 23rd and GASWorkS on the 24th and 25th. You can attend either GASCalc or GASWorkS or both. We will limit the class size, so submit your [registration form](#) soon.

Colorado Springs Location

Two other training sessions are scheduled at our world headquarters in Colorado Springs, Colorado for **June 14-16** and **September 6-8**. GASCalc training will occur on the first day of each session (Wednesday), and the last two days will be focused on GASWorkS (Thursday and Friday). You are welcome to attend the GASCalc portion only, the GASWorkS portion only, or both together.

More information can be found on the [Training Information](#) page of our website, including details on travel and accommodations.

Custom Training

We also provide specifically tailored courses to meet your individual or group needs. Additional courses can be held at our site, at your site, or via WebEx. Please contact us at training@b3pe.com to discuss your specific training needs.

Lost And Unaccounted For Gas

This is the time of year when distribution operators in the US are required to submit their annual reports to various regulatory agencies. Part of those reports involve calculation of the Lost and Accounted For (LAUF) Gas values for the previous year. If yours doesn't look too good, now is the time to start trying to correct it for this year.

We have prepared a series of papers on the various causes of, and remedies for

we have prepared a series of papers on the various causes of, and remedies for, dealing with LAUF. You can find these papers, and more on the [Documents](#) page of our website. Scroll down to the *Technical Papers* heading. You will need a PDF reader to view the papers. And, if you don't find what you are looking for there, [contact us](#), we can help.

By the way, we are advocating for dropping the term "Lost" from these values. The term lost has a bad connotation. Maybe let's start referring to these values as Unaccounted For Gas "UFG" - what do you think?

GASWorkS™ 10 Now Subscription Based



Last year we released **GASWorkS 10.2**, the subscription-based version of our flagship software.

With GASWorkS 10.2, you get the same great features of GASWorkS 10.1, including the latest program enhancements:

Reduced Installation Requirements - Less is stored on the local machine, making for a faster and simpler installation process.

No Registration Numbers - The software is ready to use as soon as it is installed. No more phone calls or emails are needed to get started.

Simplified Networking - The new licensing system is configured for network use without any additional steps, like installing on a server or setting a license path.

Automatic Updates - Get the latest enhancements and bug fixes automatically. Start the program with an internet connection, and it will check for the latest revision. If a newer revision is available, the software will update itself with no fuss on the user's end.

Geomapping - Including access to Mapbox. With Mapbox, you can download map tiles and store them locally, instead of streaming images from Bing or Google. This leads to faster refresh times and a smoother experience.

Multiple GASWorkS Windows - The ability to open multiple GASWorkS program windows making it easy to compare different models and results.

All of this, and more, is available in GASWorkS 10.2. The program is licensed on a subscription basis. Each license of GASWorkS 10.2 will require payment of a one-time activation fee, then an annual subscription fee to be paid by the anniversary of the original purchase date. The activation fee will be waived for current GASWorkS 10.0 and 10.1 users, and you will only be responsible for future subscription payments. See our [price list](#) for more details.

Purchase or upgrade today by completing an [order form](#) and return it to sales@b3pe.com.

Going forward, new features and enhancements will only be made available for GASWorkS 10.2. These updates will not be available in GASWorkS 10.0 or 10.1. Updates for those products will only be provided for necessary bug fixes.

GASCalc™ 6.0 - What You Are Missing



Still using an old version of GASCalc? You are missing a lot, including:

Duplicate Calculation Screens - Allows an open calculation screen to be copied and revised. Making it easy to compare results using different parameter values.

Result Charting and Plotting - Allows results from a range of input values to be displayed in a table or plotted on a chart. These are handy for understanding the affect of various parameter value changes.

Pipe Lowering - Provides stress and profile calculation of In Service Pipe Lowering using API 1117.

PE HDD - Provides pull back stress and profile calculation for PE pipe installed using Hydraulic Drilling Methods according to PPI recommendations.

New Gas Properties - Includes calculation of many new thermodynamic gas properties and calculation of gas interchangeability values. You will need this when dealing with the proposed Hydrogen blended gas mixtures.

AGA 8 2017 Compressibility - Supports calculation of all AGA 8 2017 compressibility calculation methods and the GERG 2008 method.

New Sonic Velocity Calcs - Supports calculation of sonic velocity using the AGA 8 2017 and the GERG 2008 methods.

Enhanced Multi-User Access - The new internet based license management makes dealing with multiple user installations much easier, including no more registration numbers.

And there is much more - [check it out](#)

GASCalc™ Updates

Another advantage of moving up to the latest version of GASCalc, is automatic updates. No more needing IT to download and install on



automatic updates. NO more needing it to download and install an update for you.

Still using an old version of GASCalc remember to keep it up-to-date by occasionally checking our [updates web page](#).

Enhancements and new calculations will not be available in the older versions of the software.

If you want to get started with the new GASCalc, or if you have an older version and would like to upgrade, [pricing](#) can be found on our website. For those who want to try it out first, you can download the [demo](#). To place an order, fill out an [order](#) form and return it to sales@b3pe.com.

Our Facility



Many folks that come to our Colorado Springs training facility are often curious about the history of our unique location. We have recently launched a website dedicated just to that subject. Want to learn more, check out the [1340 Corona Street](#) website.

Our Products

[GASWorkS™](#) - Affordable and robust network modeling.

[GASCalc™](#) - Suite of gas system design and analytical tools.

[GASPurge™](#) - Natural gas pipeline purging calculator.

[StationManager™](#) - Regulator and relief valve station management solution.

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