



Bradley B Bean PE

Serving The Natural Gas Industry For Over 25 Years

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GASWorkS™ 10.0 - Plane Coordinates



One of the [new features](#) in GASWorkS 10 is a routine for projecting world coordinates (longitude and latitude) into a planar Cartesian coordinate system, such as the State Plane Coordinate System in the US, the Ordinance Survey National Grid in the UK, or the Universal Transverse Mercator system worldwide. Plane coordinates simplify calculations of direction and distance, and are widely used in regional surveying, mapping, and design.

GASWorkS 10 supports both the Lambert Conformal Conic and Transverse Mercator projection. These are calculations used to convert longitude and latitude into plane coordinates. To run the projection routine, select the *Project Coordinates* item from the GDI Command List, or type "PRJ" on the GDI Command Line and press the *Enter* key. The routine requires a projection file containing data specific to the geographic location of the model, either in ESRI's ".prj" format or EPSG's ".wkt" format. GASWorkS also allows for models in plane coordinates to be projected back into longitude and latitude.

The projection routine can also be used on background files. Eligible background images can be projected by selecting the *Project To Model Coordinates* checkbox on the Background Image Settings screen.

Click [here](#) to request a 30-day evaluation copy of GASWorkS 10. To upgrade today, fill out an [order form](#) and return it to sales@b3pe.com.

B3PE At The Kansas Pipeline Safety Seminar

Come visit our booth at the Kansas Pipeline Safety Seminar, October 23-25 in Junction City, Kansas to learn about our innovative design and analytic solutions.

Software Update



Our work doesn't end on release day. Visit our [Updates](#) page to keep your software up-to-date with the latest tweaks and fixes. GASWorkS 10 users will find the latest revision posted on September 18. Please note that this update will not work with GASWorkS 9.



With GASWorkS 10 released, we are looking forward to developing the next version of GASCalc. If you are a GASCalc user, what features would you like to see added? What changes would you make to improve the user experience? Let us know at news@b3pe.com.

Our Products

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

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

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

[WaterCalc™](#) - Suite of water system design and analytical tools.

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