

CADWorx® DraftPro™ Questions and Answers

Use CADWorx DraftPro software to improve the quality, efficiency, safety and cost effectiveness of those served by plant design.

Today, Intergraph CADWorx & Analysis Solutions (Intergraph CAS) products have become the first choice among those involved in the creation of quality plant design and engineering analysis deliverables. In real-world application, Intergraph CAS products have helped reduce man-hours and costs 50% and more for designers, engineers and owner operators. Intergraph CAS offers integrated and scalable solutions that are easy to learn and use.

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1. General Information

Intergraph CAS, Inc. is a provider of software for multiple plant design and engineering disciplines. Intergraph CAS's aims are that design and engineering should share relevant information seamlessly, thereby maintaining accuracy and improving efficiency.

1.1. Who uses Intergraph CAS software?

Nine out of ten of the world's major engineering firms and corporate owner operators use Intergraph CAS products. They know our products are accepted as industry standards for design and engineering, so they are assured of proven solutions that are used and accepted worldwide by their peers. For more product information please visit www.coade.com/overview.

1.2. What is CADWorx DraftPro?

CADWorx DraftPro is a *FREE*, intelligent AutoCAD-based 2D plant design and layout solution that is easy to learn and use. CADWorx DraftPro, from Intergraph, uses the same piping specifications as CADWorx Plant Professional, and even works with multiple versions of AutoCAD. Oh, did we mention that CADWorx DraftPro is *FREE?! Please visit www.cadworxdraftpro.com*.

1.3. What are the main benefits of using CADWorx?

The benefit of CADWorx is that this software is quick and easy to set up and use, so you can start designing right away. Thousands of mid to small size companies are benefiting from the powerful, yet scalable, solutions that Intergraph CAS develops. If you have work to do, correctly, on time, and under budget, you too should be using Intergraph CAS software.

1.4. Can CADWorx DraftPro drawings be read by CADWorx Plant Professional?

Because CADWorx DraftPro creates AutoCAD compatible drawings they can be viewed by CADWorx Plant Professional. That said CADWorx DraftPro output will not be recognized as intelligent by CADWorx Plant Professional.

2. CADWorx the Right Tool

Since its introduction, CADWorx has revolutionized the plant design industry with its ease of use, flexibility, interconnectivity and scalability. This software is trusted by over 80% of the leading plant engineering companies and owner operators worldwide to deliver accurate, reliable results.

2.1. Why is CADWorx "Easy"?

CADWorx is easy to use because the software is AutoCAD based and utilizes exactly the same

commands and methodology with which all AutoCAD users are already familiar. This, along with the intuitive work flow of CADWorx, assures that the large base of trained AutoCAD users can become productive within days of first encountering the product. Likewise, the large set of template specifications and component databases shipped with the product, coupled with the product's smooth 2D to 3D transition, database flexibility, and easy on-the-fly customization (no programming required) allows even the most casual users to easily and quickly ensure that CADWorx works exactly the way that they do (or the way they have always really wanted to). The simplicity of CADWorx allows all projects to be fast tracked, saving hundreds of training, engineering, and design hours, not to mention administrative overhead costs. On the typical CADWorx project, plant designers find that they can start laying pipe within hours of installing the software.

2.2. Why is CADWorx “Open”?

CADWorx is open because it can be adapted to the customer's existing work process, eliminating the requirement of following constrictive processes found in most software. This is done both by ensuring that the product adheres to non-proprietary, easily customized database structure and by conforming to de-facto commercial standards as a means of providing interoperability with other software. So what does this mean to you? CADWorx databases can be quickly structured to match those used by your data warehouse or individual applications, thus becoming a natural part of the company's ERP processes. Likewise CADWorx' strict adherence to such commercial standards as Autodesk's standard DWG format and Intergraph/Alias' PCF format allows CADWorx to easily interface with the hundreds or thousands of other applications which also use those standards.

2.3. Why is CADWorx “Integrated”?

Intergraph CAS is unique among plant design software providers in that we are developers of both design and engineering software. This has given us the opportunity to integrate the two product families at the tightest possible level, an area in which Intergraph CAS has continued to lead the industry for the past 15 years. The intuitive bi-directional links between CADWorx Plant Professional and Intergraph CAS's CAESAR II pipe stress and PV Elite vessel analysis programs allow designers and engineers to seamlessly collaborate during the project design stage. The seamless integration allows users to maintain accurate and up-to-date drawings and models, which provides at least four benefits: 1) the “enter once-use many times” philosophy saves the time and expense of re-generating the model by each of the project's data consumers; 2) models automatically generated from the original CADWorx 3D plant model will have much greater accuracy than would models recreated for each specific task, 3) synchronization of the design and analytical models assures engineering concurrency; and 4) timely modification of all models as changes are made by individual disciplines reduces the time and expense of plant as-building post-startup.

2.4. Why is CADWorx “Scalable”

CADWorx is a scalable solution because it combines ease of use and quick startup with full

functionality and extensive integration and data sharing capabilities. This allows CADWorx' advantages to be focused according to the project's demands. Smaller, simpler, projects can take advantage of CADWorx' rapid startup and small overhead needs to meet tight timelines and budgets. Larger, more complex, projects, can take advantage of CADWorx' automation and integration to reap downstream savings. And the best thing is that CADWorx' additional capabilities can be implemented incrementally, as needed, to match the sophistication of your project or the skills of your staff – in contrast to the “all or nothing” approach that many competing applications impose. From small skids to large plants, multiple users can work together efficiently with greater ease and with superior results to tackle the most challenging and complex projects.

3. Purchasing

3.1. What is the cost of CADWorx DraftPro®?

CADWorx DraftPro is a free product. Simply install it then choose a size and specification and start drafting. To download visit our page here: www.cadworxdraftpro.com

3.2. Can I upgrade to CADWorx Plant Professional?

CADWorx Draft Pro is a free product. Therefore there is no product upgrade between CADWorx DraftPro and CADWorx Plant Professional. If you find yourself in need more functionality or automation you may purchase CADWorx Plant Professional through our partner network or direct from Intergraph CAS. To find your local partner visit here: www.coade.com/dealers. To contact us call: + 1 281-890-4566, Toll Free USA and Canada: 1-800-899-8787 or email: sales@coade.com.

Once you have purchased CADWorx Plant Professional, you may be eligible for a one-time-only service to migrate your existing legacy CADWorx DraftPro drawings to allow you to take advantage of the advanced functionality found in CADWorx Plant Professional. Please note this service may be withdrawn at any time.

4. Support and Training

4.1. Does Intergraph CAS offer CADWorx DraftPro support?

Support for DraftPro is community based and can be found at our Intergraph CAS web forums here: www.coade.com/forums

4.2. Where can I get CADWorx DraftPro training?

Low cost CADWorx DraftPro online video training can be found here:

www.pipingdesignonline.com

4.3. Where can I get free help with learning CADWorx DraftPro?

Training videos and start-up guide can be found at www.cadworxdraftpro.com

5. Online Resources

5.1. Does Intergraph CAS have an online Intergraph CAS CADWorx Blog?

Yes, go to <http://coade.typepad.com/coadeinsider/>.

5.2. Where can I find online CADWorx discussion forums?

Go to www.coade.com/forums.

5.3. How do customers keep informed of up-to-date product related information?

Register your product and stay in touch with the latest on your product. To register go to www.coade.com/productreg.

5.4. How can customers stay in touch with Intergraph CAS?

To stay in touch with Intergraph CAS sign up for the Intergraph CAS Insider Newsletter. To register visit http://icas.intergraph.com/forms/Join_ICAS_Newsletter

6. Licensing

6.1. How is CADWorx DraftPro licensed?

CADWorx DraftPro is a free product and has no licensing. Simply install it and start working.

7. Compatibility

7.1. Does CADWorx work with AutoCAD?

Yes, CADWorx is a third party application suit that uses AutoCAD to generate plant design drawings. All drawings generated with CADWorx are AutoCAD based.

7.2. What versions of AutoCAD is CADWorx compatible with?

CADWorx 2012 is compatible with AutoCAD 2012 – AutoCAD 2009

- AutoCAD 2012 (32 bit) / AutoCAD 2012 (64 bit)
- AutoCAD 2011 (32 bit) / AutoCAD 2011 (64 bit)

- AutoCAD 2010 (32 bit) / AutoCAD 2010 (64 bit)
- AutoCAD 2009 (32 bit) / AutoCAD 2009 (64 bit)

7.3. Can CADWorx drawings be opened in native AutoCAD?

Yes, drawings may be opened using AutoCAD. The native drawing format of a CADWorx drawing is an Autodesk® DWG file therefore users may use CADWorx with the following:

- AutoCAD 2012/2011/2010/2009
- AutoCAD Architecture 2012/2011/2010/2009
- AutoCAD Civil 3D 2012/2011/2010/2009
- AutoCAD Electrical 2012/2011/2010/2009
- AutoCAD Map 3D 2012/2011/2010/2009
- AutoCAD Mechanical 2012/2011/2010/2009
- AutoCAD MEP 2012/2011/2010/2009

7.4. Does CADWorx work on a 32 and 64 bit platforms?

Yes, CADWorx can run on 32 or 64 bit computer. The operating system compatibility is based on AutoCAD or the Autodesk vertical product used:

- AutoCAD 2012: [Windows XP](#), [Windows Vista](#)
- AutoCAD 2011: [Windows XP](#), [Windows Vista](#)
- AutoCAD 2010: [Windows 2000](#), [Windows XP](#), [Windows Vista](#)
- AutoCAD 2009: [Windows 2000](#), [Windows XP](#), [Windows Vista](#)

8. Platform and System Requirements

8.1. Autodesk® Requirements?

For 32-bit AutoCAD 2012

- Microsoft® Windows® 7 Enterprise, Ultimate, Professional, or Home Premium; Microsoft® Windows Vista® Enterprise, Business, Ultimate, or Home Premium (SP2 or later); or Microsoft® Windows® XP Professional or Home edition (SP3 or later)
- For Windows Vista or Windows 7: Intel® Pentium® 4 or AMD Athlon® dual-core processor, 3.0 GHz or higher with SSE2 technology; for Windows XP: Intel Pentium 4 or AMD Athlon dual-core processor, 1.6 GHz or higher with SSE2 technology
- 2 GB RAM
- 2 GB free disk space for installation
- 1,024 x 768 display resolution with true color
- Microsoft® Internet Explorer® 7.0 or later

- Install from download or DVD

For 64-bit AutoCAD 2012

- Microsoft® Windows® 7 Enterprise, Ultimate, Professional, or Home Premium; Microsoft® Windows Vista® Enterprise, Business, Ultimate, or Home Premium (SP2 or later); or Microsoft® Windows® XP Professional or Home edition (SP3 or later)
- AMD Athlon 64 with SSE2 technology, AMD Opteron® processor with SSE2 technology, Intel® Xeon® processor with Intel EM64T support and SSE2 technology, or Intel Pentium 4 with Intel EM64T support and SSE2 technology
- 2 GB RAM
- 2 GB free space for installation
- 1,024 x 768 display resolution with true color
- Internet Explorer 7.0 or later
- Install from download or DVD

9. Product Enhancements

9.1. Does Intergraph CAS release new updates to CADWorx DraftPro®?

Intergraph CAS may make periodic releases to add features to CADWorx DraftPro®. Check the DraftPro site for updates here: www.cadworxdraftpro.com

9.2. Is CADWorx always up to date with Autodesk AutoCAD latest release?

Yes, after Autodesk releases AutoCAD, Intergraph CAS releases a compatibility release so users may continue benefiting from added AutoCAD features.