



CADWorx
Questions and Answers

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

Intergraph CADWorx and 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 by 50% and more for designers, engineers and owner operators. Intergraph CAS offers integrated and scalable solutions that are easy to learn and use.

General Information

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

Who uses Intergraph CAS software?

Nine out of 10 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.

What is CADWorx?

CADWorx is a Plant Design Suite for intelligent plant design modeling, process schematics and automatic production of plant design deliverables. Please visit www.coade.com/cadworx.

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 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.

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.

Why is CADWorx Easy?

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

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's database 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's 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.

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 and Intergraph CAS 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.

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's advantages to be focused according to the project's demands. Smaller, simpler, projects can take advantage of CADWorx's rapid startup and small overhead needs to meet tight timelines and budgets. Larger, more complex, projects, can take advantage of CADWorx's automation and integration to reap downstream savings. The best thing is that CADWorx's 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.

Purchasing

What are the purchasing options?

CADWorx may be purchased through our reseller network and direct from Intergraph CAS. To find your local reseller visit, www.coade.com/dealers.shtml. For Intergraph CAS, contact us at: 7840 N. Sam Houston Pkwy W., Suite 100, Houston, TX 77064, Phone Number (1) 281-890-4566 Line, Toll Free Phone Number 1-800-899-8787 or email sales.icas@intergraph.com.

What are Intergraph Global Network Dealers (IGNDs)?

IGND's are The Intergraph CAS Standard-bearer(s) around the world. They have been developed to work together as the local face of Intergraph CAS. Providing product sales and support in your local time zone and language. IGND's have certified instructors and consultation specialist to help clients define and meet their requirements at all levels. The worldwide IGNDs work together to insure that Intergraph CAS multinational clients have access to the right products, training, and consultation anywhere around the globe.

What is an Intergraph CAS Authorized Reseller?

Authorized Resellers are the local Intergraph CAS software experts who provide local sales and support to clients in their respective regions.

Are there FREE evaluations of CADWorx products?

Yes, free evaluations are available. The trial permits limited use of the product without the ability to print or save. The second option is a free 30-day full license. This license is for those interested in more applied evaluation of the product. The 30-day evaluation gives users unlimited restriction and access to all product features. For more information, contact sales.icas@intergraph.com.

Does Intergraph CAS offer purchasing discounts?

No. There are not purchasing discounts at this time.

Can CADWorx products be leased?

Yes, leases are available starting at one month.

Can a live presentation be given by the local reseller or by Intergraph CAS?

Yes, Intergraph CAS and its resellers have personnel that provide live product presentations that answer simple to complex technical questions and who understand project work flow specific questions. For more information, please contact your local distributor at www.coade.com/dealers.shtml, or contact Intergraph CAS at sales.icas@intergraph.com.

Can an online web demo be given?

Yes, online web demonstrations can be setup. Contact Intergraph CAS or your local reseller for more information.

What are the benefits to having CADWorx Maintenance?

CADWorx Maintenance includes program updates, qualified technical support from the reseller and Intergraph CAS.

Support and Training

Does Intergraph CAS offer local CADWorx support?

Yes, Intergraph CAS resellers offer local CADWorx support in different regions. These product specialists are prepared to assist their clients with the day-to-day questions at no cost.

Who should customers contact first for support?

Customer should first contact their local reseller. To find a local reseller visit, www.coade.com/dealer.shtml.

Do local resellers host CADWorx training?

Yes, most of Intergraph CAS, resellers have training centers and classes are taught regularly. Visit with your local reseller on cost, training dates, and time. To find a local reseller visit, www.coade.com/dealer.shtml.

Do customers have an option to hire Intergraph CAS staff for CADWorx training?

Yes, customers have the option of hiring an Intergraph CAS CADWorx Specialized Trainer. Please email sales.icas@intergraph.com for more information.

Can a video course be purchased for self-paced productivity training?

Yes. The Intergraph CAS Video Training Course is the only plant and piping design video training course that is approved by Intergraph CAS and developed with designers in mind. CADWorx Plant Professional users can learn the software at their own pace. This specially designed training includes dozens of videos and step-by-step instruction to deliver the knowledge users need to boost their plant and piping design efficiency. For more information on this training please visit www.pipingdesignonline.com/.

Online Resources

Does Intergraph CAS have an online Intergraph CAS CADWorx Blog?

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

Where can I find online CADWorx discussion forums?

Go to www.coade.com/forums.

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

How can customers stay in touch with Intergraph CAS?

To stay in touch with Intergraph CAS sign up for Intergraph CAS Insider Newsletter. To register visit, <http://coade.typepad.com/coadeinsider/>.

Licensing

What is a Hardware Lock?

Hardware locks are software locking mechanisms used by many software vendors. These are small USB keys that attach to the USB port of the computer.

Will my hardware lock license expire after a year?

No, a Full License of CADWorx never expires. When customers purchase CADWorx they receive a permanent license.

Can licenses be purchased for one user?

Yes, standalone licenses may be purchased for one user.

Can multi-seat licenses be purchased?

Yes, multi-seat licenses are placed on a network lock.

Compatibility

Does CADWorx work with AutoCAD?

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

What versions of AutoCAD is CADWorx compatible with?

CADWorx is compatible with the following AutoCAD versions:

- AutoCAD 2014 (64 bit only)
- AutoCAD 2013 (32 bit) / AutoCAD 2013 (64 bit)
- AutoCAD 2012 (32 bit) / AutoCAD 2012 (64 bit)
- AutoCAD 2011 (32 bit) / AutoCAD 2011 (64 bit)

Can a CADWorx model be opened in just AutoCAD?

Yes, drawings may be opened using AutoCAD. The native drawing format of a CADWorx drawing is an Autodesk DWG file. CADWorx is compatible with the following Autodesk vertical products (2014-2011):

- AutoCAD Mechanical
- AutoCAD Electrical
- AutoCAD Architecture
- AutoCAD MEP
- AutoCAD Civil 3D
- AutoCAD Map 3D

Does CADWorx work on 32 and 64 bit platforms?

As of CADWorx 2014, only 64 bit computers are supported. However CADWorx 2013 and prior versions support both 32 and 64 bit computers. The operating system compatibility is based on AutoCAD or the Autodesk vertical product used:

- AutoCAD 2014: Windows XP, Windows 7, Windows 8
- AutoCAD 2013: Windows XP, Windows 7
- AutoCAD 2012: Windows XP, Windows 7
- AutoCAD 2011: Windows XP, Windows 7

Platform and System Requirements

As defined by current Autodesk platform system requirements.

Product Enhancements

How often does Intergraph CAS release a new update to CADWorx?

Intergraph CAS releases their new feature version of CADWorx once a year after the release of AutoCAD.

Is CADWorx always up to date with Autodesk's AutoCAD latest release?

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

Who has access to the latest CADWorx updates and enhancements?

All users with current maintenance contract have access to the latest updates. For more information, contact Intergraph CAS.

Get Involved with CADWorx

Can customers submit product enhancement requests directly to Intergraph CAS?

Yes, everyone may submit product enhancement requests. Intergraph CAS interacts with and listens to customers, then responds by developing new solutions and enhancing current products to address customers' needs in ways that improve their work processes. This customer-centric focus helps us to grow our product line to serve an ever broader base of users and applications, which in turn further increases opportunities for our clients to enjoy the benefits of interdisciplinary collaboration with other departments and organizations. To submit a request visit <https://crmweb.intergraph.com/>.

How are these enhancement requests monitored?

Enhancement requests are evaluated and prioritized based on a given industry and market. Intergraph CAS prioritizes request based on the highest number of our users.

How do I get registered to beta test CADWorx next year?

Every year Intergraph CAS looks for beta testers. If you are interested in participating please email our [CADWorx Product Manager](#).

Can users take an Intergraph CAS Official CADWorx Certification Exam?

Yes, this certification documents users design credentials for themselves and their employer. Employers can have a clear ranking of the level of competence of CADWorx users which leads to a number of benefits. www.pipingdesignonline.com/courses.html. The certification is based on the Intergraph CAS Video Training Courseware.

For Employers

- Rank current and prospective employees on their level of competence.
- Utilize employee's expertise effectively in project assignments.

For End Users

- Find out how much you don't know about the CADWorx Plant Pro software. Interactive feedback helps you pinpoint weakness you need to focus on before the projects begin.
- Adds to your credentials and resume.
- Identifies you as part of an elite fraternity of Excellence.

For Students

- Receive a certificate from Intergraph CAS which certifies your skill level.
- Adds to your credentials and resume.
- Allows your current and future employers to have confidence in your abilities.

Please email admin@pipingdesignonline.com for more information.

License Compliancy

What can an Intergraph CAS legitimate customer do to help rise above those that use illegal copies of software?

Keep track of your software assets and help support Intergraph CAS against piracy prevention. Intergraph CAS issues your company an official letter indicative of how much we appreciate your business which then lists the number of licenses your company holds. Use this Intergraph CAS compliance letter and present it next time you bid for a project.

Our company wants a software certification letter, who do I contact?

To obtain a certification letter contact your local reseller or sales.icas@intergraph.com.