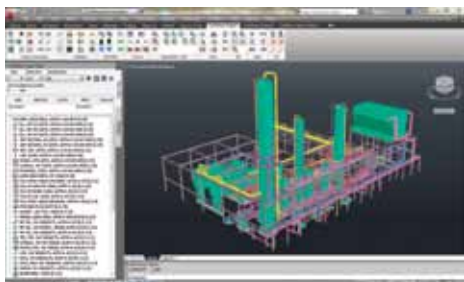




Intergraph CADWorx 2013 is the latest release of Intergraph's popular AutoCAD®-based, intelligent 3D plant design and modeling solution. One of the most powerful solutions on the market, it is also easy to learn and use.

# CADWorx® 2013 Plant Professional



- Improved Routing Capabilities
- Quicker, Intuitive Modifications
- Move Components Effortlessly with 'Drag-lock'
- More Powerful Component Catalogs and Piping Specifications
- Change Size of Existing Piping Systems
- Change Specification of Existing Piping Systems
- Rules-based Piping Design and Layout
- Intelligent Piping Assemblies
- Piping Connection Branch Tables

[cadworx.com/2013](http://cadworx.com/2013)

## Improved Routing

CADWorx 2013 features all new pipe routing capabilities that drastically cut down the time it takes to model your piping systems. To save even more time during routing, when a pipe run has an offset or changes direction, the software prompts the user with multiple routing options that make piping sense.

## Quicker Modifications

Making changes with CADWorx 2013 is a breeze! You can now grab a segment of a pipe run and drag it to a new location, and all of the components in that section of line move with it.

## Move Items Effortlessly with 'Drag-lock'

Want to move a flanged valve to another part of a line? The exclusive 'drag-lock' feature allows you to drag that valve past any other in-line component, even through elbows and changes of direction. With drag-lock you don't even have to change your UCS, and even the flanges, gaskets and bolts come along for the ride! We know modifications are a necessary and often time-consuming part of what you do—and CADWorx just cut that time in half!

## Better 'Cats' and 'Specs'

The new catalog and specification editor allows for efficient and structured creation and control of company and project piping specifications. These tools also make it easier to include or save specifications (specs) with a project upon completion or hand over.

## Change Size

You no longer have to redraw a line because it has changed size. A couple of clicks and the routine starts its magic. But it gets better, and that is

because changes are not made arbitrarily if a proposed change creates multiple options, the program seeks advice from the best mind it knows—yours—to make the final selection.

## Change Specs

You can now change the piping spec of any line at any time. With this capability, items in the old spec are exchanged for new items in the substituted spec. Items stay connected throughout the process, eliminating connectivity problems and the need to redraw!

## Rules Based Piping

CADWorx 2013 now has the ability to build into the design process optional piping rules. Though powerful, these rules also allow the designer to override them in special cases. This vastly improves the overall design integrity by allowing companies to apply design standards that control how the system is built but also allows the flexibility needed to produce the best possible design.

## Piping Branch Tables

Intuitive pipe branch table creation introduces the special ability to quickly add branch rules to piping specifications. This eliminates the guesswork in these connections and enables designs to conform to company or project standards.

## More Intelligent Assemblies

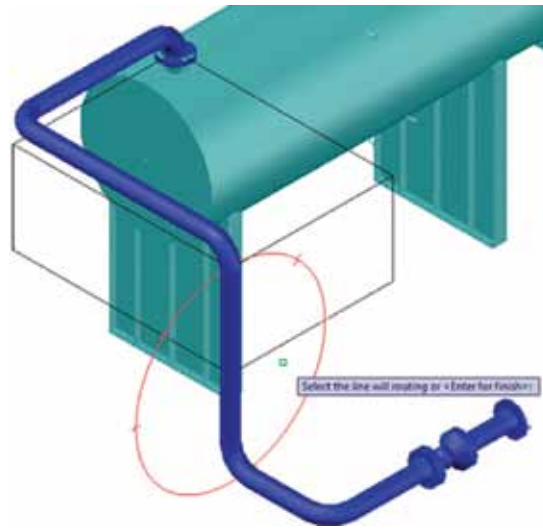
This latest release adds the ability to develop and save assemblies of components. These assemblies can be built from any combination of components and then reused parametrically in the future. Users can build a library of standard assemblies that can then be reused by any project member. This saves time and money while boosting accuracy through standards.

## Technical Specs

- AutoCAD compatible
- Microsoft® Windows® XP Pro or Windows Vista® Ultimate (minimum)

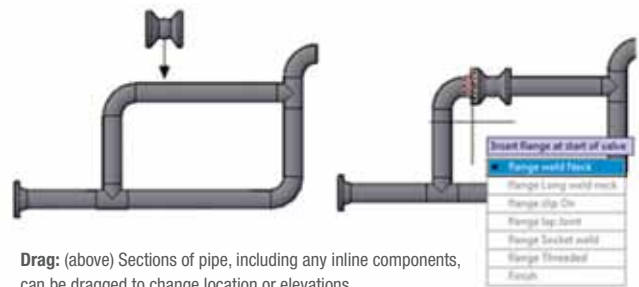
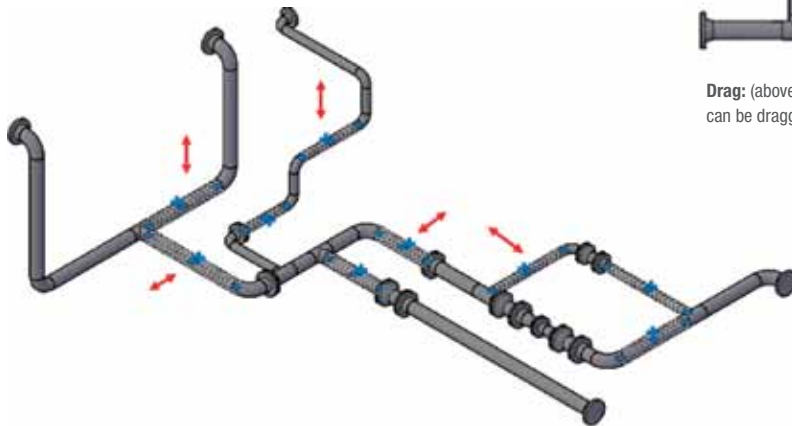
## Application Areas

Process and Plant Design, Piping, Equipment, Steelwork, Petrochemical, Chemical, Power, Offshore, Food, Beverage, Brewing, Pharmaceutical, Water Treatment, Building Services, Shipbuilding and Architectural



**Auto Route:** (left) Multiple options are offered for automatically routing between two points.

**Inline Insertion:** (below) Inline Items, such as valves, user shapes, etc. can be inserted into a pipeline complete with gasket and flanges.



**Drag:** (above) Sections of pipe, including any inline components, can be dragged to change location or elevations.

## About Intergraph

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer, and smarter. The company's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation, and data management of plants, ships, and offshore facilities. Intergraph SG&I

provides geospatially powered solutions to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is an independent subsidiary for SG&I's U.S. federal and classified business.

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