INTERGRAPH®

BENEFITS:

- Improved routing capabilities.

- Quicker, intuitive modifications.

- "Drag-lock" functionality moves components effortlessly.

- More powerful component catalogs and piping specifications.

- Size of existing piping systems can be modified.

- Specification of existing piping systems can be changed.

- Rules-based piping design and layout.

- Intelligent piping assemblies.

- Piping connection branch tables.

CADWORX® 2014 PLANT PROFESSIONAL

Intergraph® CADWorx® 2014 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.

IMPROVED ROUTING

CADWorx 2014 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 2014 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

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

BETTER "CATS" AND "SPECS"

The new CADWorx catalog and specification editor enables the efficient and structured creation and control of company and project piping specifications. These tools also make it easier to include or save specifications with a project upon completion or handover.

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 – changes are not made arbitrarily. If a proposed change creates multiple options, CADWorx seeks your advice 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 now offers the ability to build optional piping rules into the design process. These powerful rules allow the designer to override them in special cases. This vastly improves your overall design integrity. Apply design standards that control how the system is built while taking advantage of the flexibility needed to produce the best possible design.

PIPING BRANCH TABLES

Intuitive pipe branch table creation enables you to quickly add branch rules to piping specifications. This eliminates the guess-work in these connections and enables designs to conform to company or project standards.
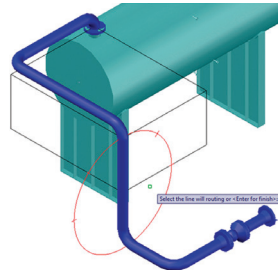
MORE INTELLIGENT ASSEMBLIES

With CADWorx 2014, you can now 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.
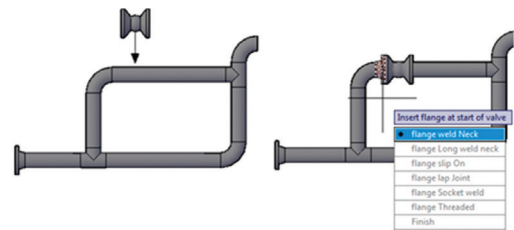
TECHNICAL SPECIFICATIONS

- AutoCAD-compatible
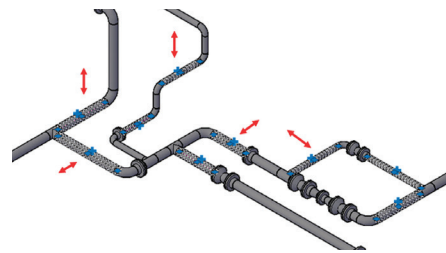- Microsoft® Windows®-compatible

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: Multiple options are offered for automatically routing between two points.

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

Inline Insertion: Inline items such as valves and user shapes can be inserted into a pipeline complete with gasket and flanges.

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, including ERDAS technologies, to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation responsible for the SG&I U.S. federal business.

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