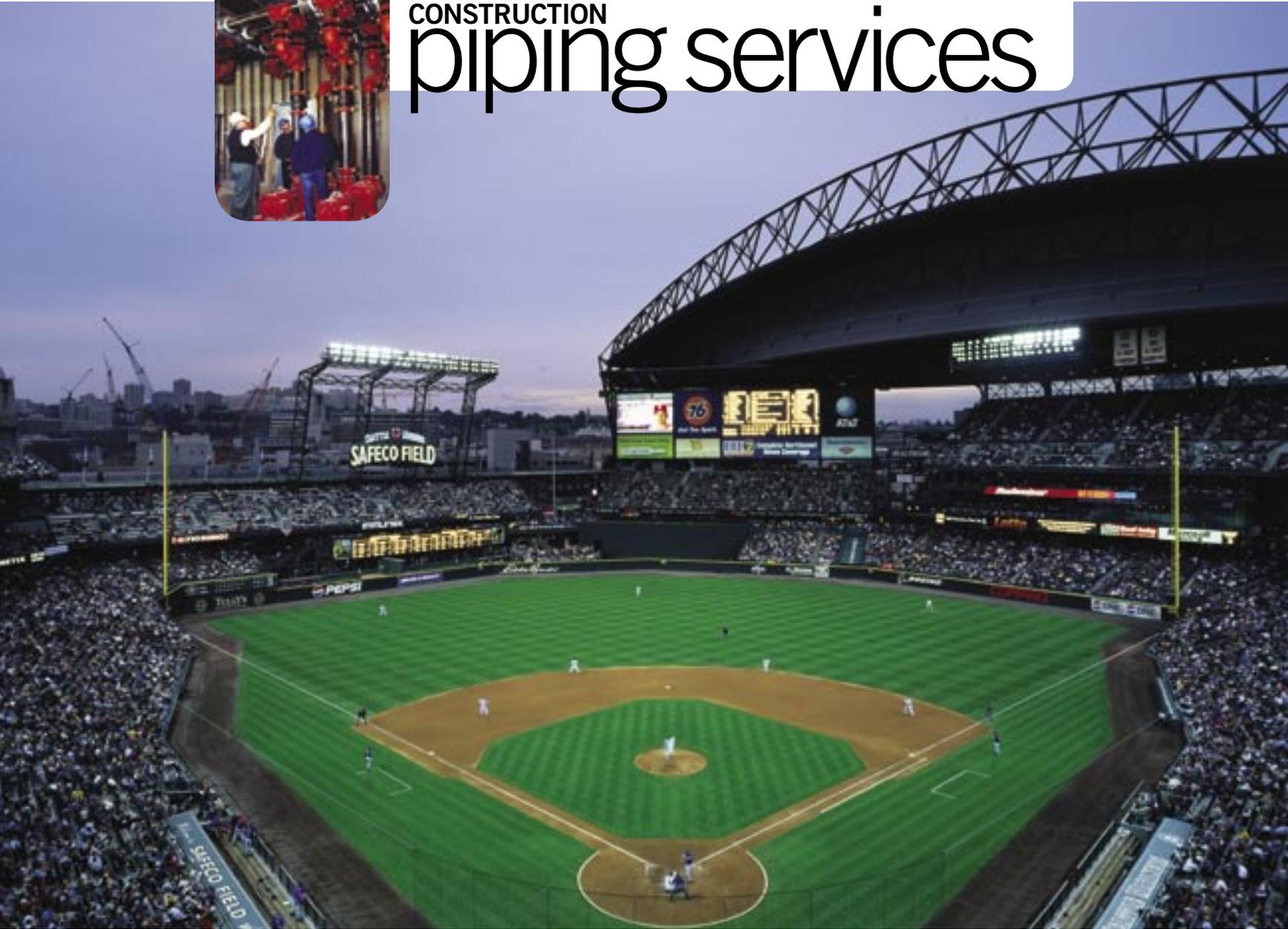




CONSTRUCTION

pipng services



A photograph of two men in hard hats and safety glasses reviewing blueprints in a construction site. The man on the left has a white beard and is wearing a white hard hat. The man on the right is wearing a red hard hat. They are looking at a large set of blueprints held in front of them. In the background, there are large pipes with red Victaulic couplings and hangers. The scene is dimly lit, with some light coming from the side.

Construction Piping Services

Victaulic Total
Piping Solutions

From estimating through construction, we're with you every step of the way, ensuring the highest quality and most efficient implementation to save you time, money and worry.

Delivering complete solutions for the world's piping challenges

At Victaulic, we provide more than just piping systems — we provide total piping solutions. What began as simply a faster, easier and more economical way of joining pipe has evolved into a whole new approach to solving piping problems.

Since 1925, Victaulic has been a world leader in the grooved piping industry, serving the needs of the industrial, HVAC, mining, water and wastewater, and fire protection markets, where we have built a solid reputation as an innovator — not just in manufacturing, but also in providing complete piping solutions.

Total Customer Support

The benefits of lower total installed cost, reduced downtime and maintenance ease are only part of the Victaulic system package. Our unwavering commitment to quality and reliability extends beyond the products we produce to the complete customer support we provide. Victaulic offers value-added services unlike any other piping products manufacturer — designed to facilitate evaluation, planning and fulfillment of your piping system needs.

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Construction Piping Services Estimating Services





Providing first-rate value analysis you can depend on

Preparing an estimate is difficult to do accurately. Inaccurate estimates lead to spiraling costs and runaway schedules that can play havoc with your bottom line. Victaulic provides no-cost estimating services for Victaulic systems, including take-offs and cost comparisons, to assist you in producing the most accurate estimates and to save you time and money on your next project.

Our cost comparison summary will evaluate Victaulic versus competitive systems and present a realistic comparison based on street material prices and standard labor times derived from independent sources. Victaulic offers cost analysis and comparisons on equipment connection packages as well.

In addition to the money you will save, our estimating group will demonstrate that the Victaulic grooved piping system will reduce the number of man-hours and calendar days needed on a project, helping you meet deadlines and complete projects faster. Victaulic can prepare bill-of-material conversions to help you better coordinate purchase orders and expedite reliable delivery schedules, saving you even more valuable time.

Moreover, Victaulic supplies free drawing quotations for pipe routing layouts, sectional views and isometric drawings, and offers free specification updates to assist mechanical engineers and owners in creating the most accurate project specifications for the bidding process.

SERVICES INCLUDE:

- Material Take-Off Cost Comparisons
- Bill-of-Material Conversions
- Drawing Quotations
- Specification Updates
- Equipment Connection Packages

Construction Piping Services

Pre-Planning and
Project Management



Ensuring a smooth, worry-free project implementation

The Victaulic team of expert piping layout coordinators can assist you with a painless, hassle-free project implementation with our unique pre-planning and project management services.

Victaulic experts offer complete fabrication-through-erection solutions. Victaulic offers optional, fee-based drawing packages, complemented by the best pre-planning and project management services in the industry. Our detailed, accurate drawings minimize back orders, leftover material and unexpected costs. Choose from “plan and section” or “layout and isometric” drawing packages.

Victaulic drawing packages are enhanced by a full array of services to meet your every need. Comprehensive pipe cut sheets provide a guide to match pipe to our isometrics or plan and section-view drawings. Our meticulous bag-and-tag service curtails time spent sorting and organizing the products at the job site, greatly reducing your material handling costs, and advance ordering of Victaulic materials will smooth your job site workflow.

By involving Victaulic in the planning of the project, we can ensure you will receive the products you need, when and where you need them. Plus, field site visits by Victaulic piping coordinators ensure a smooth transition from drawing to construction.

Our coordinators can help you address engineering conflicts before they become a work-stop issue and help eliminate trade interference problems. In addition, we provide valuable assistance that dramatically increases on-site productivity and reduces material handling costs, all of which have a direct effect on your bottom line.

SERVICES INCLUDE:

- Review of Drawings, Specifications and Vendors' Submittals
- Drawing Packages
- Pipe Cut Sheets
- Project Management
- Bag-and-Tag Service
- Advance Ordering of Victaulic Materials
- Field Site Visits (retrofit projects)



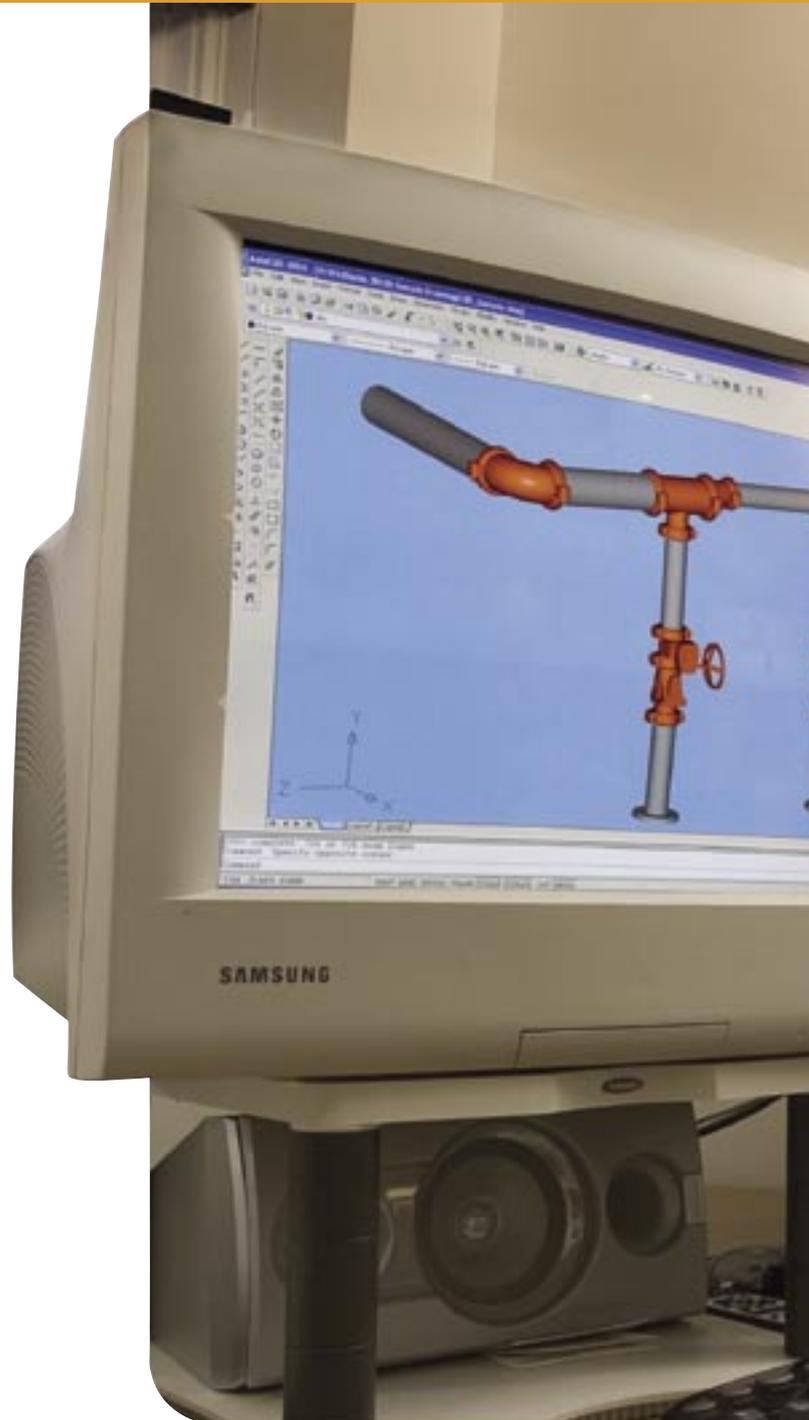
Construction Piping Services Software Solutions

Supplying the technology you need to develop a Victaulic system

The Victaulic Software Solutions Department makes specification writing a snap and saves you time and money by offering no-cost software packages to aid in drawing and specifying Victaulic piping systems.

Victaulic offers a full range of internally developed software solutions for various applications to provide you with the greatest accuracy and reliability when drawing Victaulic products. Victaulic also partners with numerous third-party software solutions providers and programmers in an effort to incorporate our product lines into their software.

In addition, the Victaulic team enhances its software capabilities through extensive customer support for all of its software solutions. Currently, we support thousands of Victaulic software users who utilize one or more Victaulic software solutions.





SERVICES INCLUDE:

Victaulic Software Solutions

- Vic/Blocks
- Vic/Guide Specs
- Vic/Cells
- Vic/ISO
- Vic/PDS Piping Specs
- Vic/Data Files
- Vic/PDMS Piping Catalog
- Vic/Station

CAD Development Software

- AutoCAD
- Microstation

Current Third-Party Software Solutions

- Aveva PDMS
- Bentley AutoPlant
- Bentley – PlantSpace
- CEA Systems – Plant 4D
- Coade – CADWorx Pipe
- Hydratec – HydraCAD
- Intergraph PDS
- QuickPen
PipeDesigner 3D

Construction Piping Services

Field Support Services



Putting Our Customers' Needs First

At Victaulic, our expertise and assistance do not stop at the door. In addition to our comprehensive estimating, pre-planning, project management and software solutions services, Victaulic is the only mechanical piping system manufacturer with more than 200 factory-trained piping specialists worldwide to service your needs in the field.

Victaulic is the expert at providing innovative solutions to meet our clients' unique needs. From design through construction, we go beyond traditional customer service to provide our customers with unsurpassed support.

Global capabilities

Utilizing Global Resources to Provide Global Solutions

Victaulic assists clients from around the world with their unique piping needs. From the *Sydney Olympic Stadium* in Sydney, Australia, to the *Burj El-Arab and Jumirah Beach Resort* in United Arab Emirates, Victaulic provides ground-breaking solutions to the world's most challenging projects.

With companies and foundries around the globe — from Canada to Belgium to Singapore — Victaulic is uniquely positioned to meet the world's most diverse piping challenges.

SERVICES INCLUDE:

- Kick-off meetings (job site)
- Extended job site instruction and service for first-time users
- Assistance with technical questions for proper usage of Victaulic products



Sydney Olympic Stadium

business card cut

The Victaulic grooved piping system can save you both time and money over traditional piping systems, such as welded, threaded and flanged systems. In addition, our Construction Piping Services Division will be there to assist you every step of the way, from estimating through construction.

Victaulic sets the highest quality standards for all of our products and services. Our highly qualified team of engineers and technicians is constantly researching new and better ways to design and produce Victaulic piping system products that create innovative solutions to meet our customers' unique needs.

If for any reason you are not satisfied with the product you purchased or the service you received from our company, please contact our Customer Service Department at 1.800.PICK.VIC. (1.800.742.5842)

VICTAULIC GLOBAL LOCATIONS

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Estimating Services



The Victaulic Estimating Department provides no-cost value analysis, cost comparisons, specification updates, drawing quotations and equipment connection packages to help you save time and money on your next project.

(continued on back)

Material Take-Off Cost Comparisons

Utilizing your contract drawings, Victaulic develops a material take-off and pricing sheets along with a cost comparison summary of Victaulic piping systems versus competitive systems, including labor costs. Material costs present a realistic comparison based on street material prices. Labor times are calculated from standards developed by independent sources such as MCAA, NAPHCC, Ottaviano, Richardson or Means, adjusted to actual field productivity. All of this can be e-mailed to you as an Excel workbook for your in-house pricing adjustments.

Bill-of-Material Conversions

From your bill-of-material, we can create a matching Victaulic bill-of-material. Then, both bills-of-material will be priced with a summary page to add up the results. All of this can then be e-mailed to you as an Excel workbook for your in-house pricing adjustments.

Drawing Quotations

Victaulic will supply a quotation for preparation of detailed piping drawings for fabrication and erection. This package can include pipe routing layouts, section or isometric view drawings as well as cut sheets, bills-of-material and job site visits required for successful project implementation.

Specification Updates

The Victaulic Estimating Department will provide no cost specification updates to ensure the products for your project are properly specified.

Equipment Connection Packages

Utilizing your contract drawings, Victaulic will develop a cost analysis along with a cost comparison summary of Victaulic equipment connection packages versus competitive equipment connection packages.

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Pre-Planning and Project Management Services



The Victaulic Pre-Planning and Project Management Group offers optional, detailed drawing packages, which include review of drawings, specifications and vendors' submittals when you purchase our drawing service. In addition, Victaulic delivers the following value-added services to assist you with a smooth, worry-free project implementation: pipe cut sheets, project coordination, bag-and-tag service, advance ordering of Victaulic materials and field site visits.

Review of Drawings, Specifications and Vendors' Submittals

Victaulic can supply assistance on project drawings, specifications and vendors' submittals by thoroughly reviewing and evaluating documents to identify and troubleshoot problems, detect over-estimations and refine pipe routings.

(continued on back)

Drawing Packages

Victaulic offers optional, fee-based detailed drawing packages by system, by equipment location or by floor location to suit your erection scheduling. Choose from “plan and section” or “layout and isometric” drawing packages.

PAD AND EQUIPMENT LAYOUT DRAWINGS

Layout drawings show exact pad and equipment locations, pad heights and other required criteria. Drawings for approval are submitted. After client-approved drawings are received, Victaulic Construction Piping Services will proceed with pipe routing drawings.

PIPE ROUTING DRAWINGS

Working from approved equipment layout drawings, we can determine economical and practical piping routes. This avoids conflicts or changes during installation and provides uniform guidelines. Pipe routing also facilitates separating piping systems into isometric views or section views along with developing accurate bills-of-material. These extra steps save substantial time and money by helping avoid field delays and inaccurate material orders.

PLAN AND SECTION

Where erection isometrics are not desired, our project management services team can prepare piping layout plan drawings with sections detailed as necessary, accompanied by full-system cut sheets and bills-of-material. This is ideal where clients require material bagged or tagged by headers and equipment hook-ups.

LAYOUT AND ISOMETRICS

Layout and isometric views clearly show all pipe and fittings fully dimensioned, including separate erection isometric views by system or sub-system for fast, easy job site erection. This is ideal where clients require material bagged and tagged from one equipment connection to another.

ISOMETRIC VIEWS

Concise isometric drawings put job control back in your hands. The isometric perspective gives a clear picture of how the finished job will look. The details and mark numbers positional components without question.

MB-900-2

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Additional Services

PIPE CUT SHEETS

The project management package includes detailed cut sheets for pipe fabrication. Fabricate pipe at your convenience in your shop, or on site or “sub” it out. Pipe marking, lengths and quantity data provide a guide to match pipe to our isometrics or plan-and-section views that are flagged and bubbled as a cross-reference to cut sheet pipe markings.

PROJECT MANAGEMENT

Start you project out right by utilizing our team of experts to pre-plan and coordinate the implementation of Victaulic piping systems. A Victaulic coordinator will arrange a kick-off meeting with your job site supervisors and our team of experts at project inception, and begin tracking all the necessary documentation to ensure a smooth flow of information. Status reports are periodically sent to update project progress.

BAG-AND-TAG SERVICE

Victaulic offers another unique method of speed and ease field installation of our piping systems through our “bag-and-tag” service. Victaulic will provide the entire package of couplings, fittings, valves and components bagged and tagged by isometric or plan-and-section drawing. Pipe fabricated to the drawings and cut sheets complete the Construction Piping Services package. You can work through your regular fabricator, your own shop or our stocking distributors, many of whom are equipped to cut, groove and package systems to our specifications and requirements.

ADVANCE ORDERING OF VICTAULIC MATERIALS

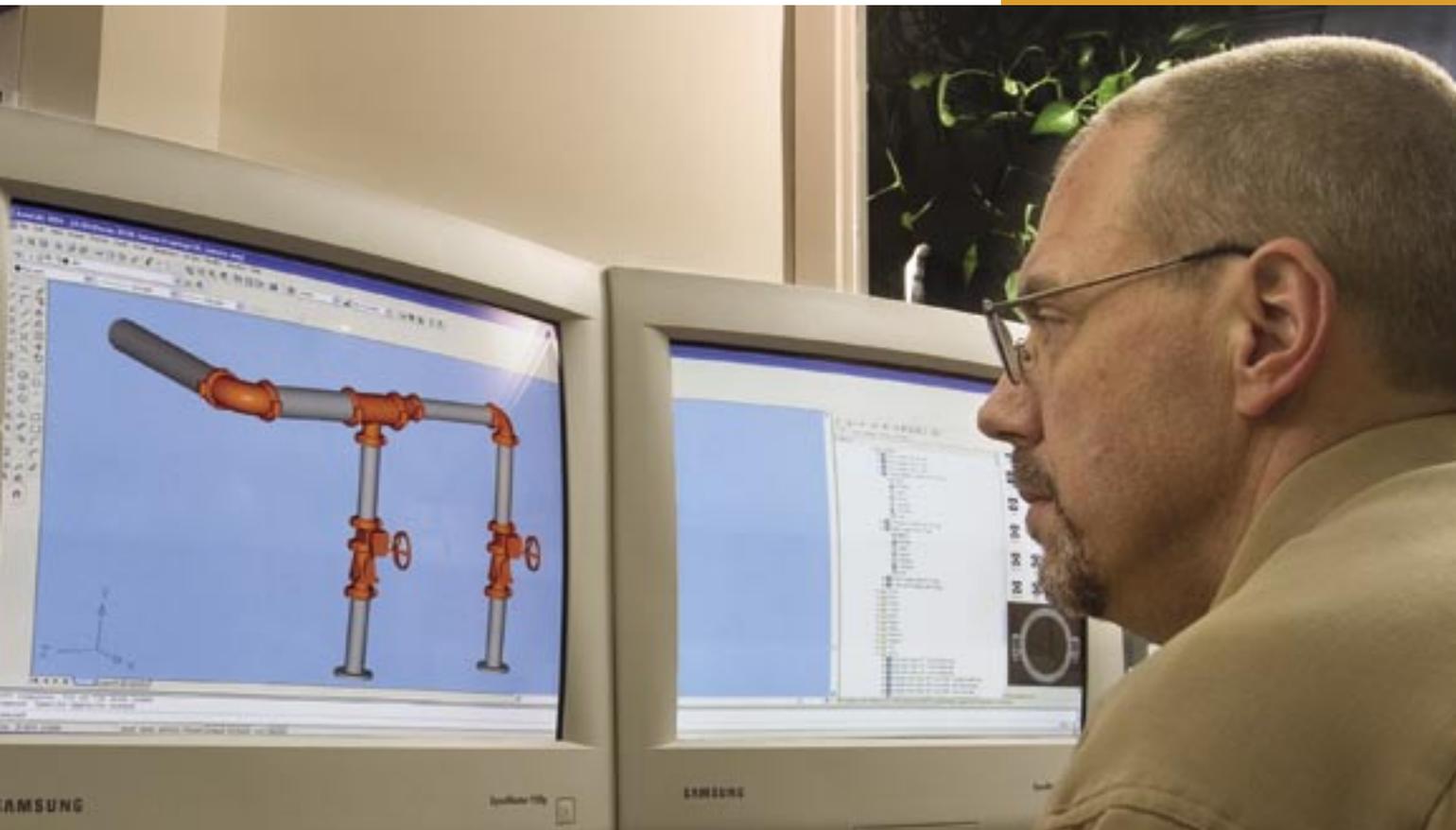
Victaulic continues its total project coordination approach with advance ordering of Victaulic materials. Advance ordering ensures timely procurement of materials and saves you time and money by reducing any downtime waiting for materials to arrive at the job site.

FIELD SITE VISITS

Victaulic provides kick-off meetings to guarantee a smooth and well-run project.



www.victaulic.com



The Victaulic Software Solutions Department saves you time and money by offering free software packages to aid you in developing and drawing Victaulic piping systems. Our software solutions provide the greatest accuracy and reliability when drawing Victaulic products.

Victaulic Software Solutions

VIC/BLOCKS 2D AND 3D

Designed specifically for AutoCAD users, Vic/Blocks is a dimensionally accurate, three- or two-dimensional block library developed to assist with Victaulic piping system layouts.

VIC/GUIDE SPECS

Vic/Guide Specs provide typical specifications for most Victaulic products and can be downloaded for your use in both Adobe PDF and Microsoft Word formats. The data can be cut and pasted directly into your specifications.

VIC/CELLS 2D

Designed specifically for Microstation users, Vic/Cells is a dimensionally accurate, two-dimensional compilation of cell libraries developed to assist with Victaulic piping system layouts.

VIC/ISO

Designed specifically for AutoCAD users, Vic/ISO is a two-dimensional block library of schematic symbols developed to assist in the creation of single-unit Victaulic isometric drawings.

Victaulic Software Solutions Cont.

VIC/PDS PIPING SPECS

Vic/PDS Piping Specs is a set of Intergraph Plant Design System (PDS) piping specifications, allowing users to access and use Victaulic products in their PDS piping system designs.

VIC/DATA FILES

Vic/Data Files provide Microsoft Access dimensional data for Victaulic products and are available in both imperial and Metric versions. Third-party software developers, or customers using internally developed software who wish to include Victaulic products in their software, primarily use the product. A confidentiality agreement is required.

CAD Development Software

The Victaulic Software Solutions Department saves you time and money by offering free software packages to aid you in developing and drawing Victaulic piping systems. Our software solutions provide the greatest accuracy and reliability when drawing Victaulic products.

Victaulic is currently an Autodesk and Bentley developer.

CAD PLATFORMS SUPPORTED

- AutoCAD
- Microstation

CURRENT THIRD-PARTY SOFTWARE SOLUTIONS

- Aveva PDMS
- Bentley AutoPlant
- Bentley – PlantSpace
- CEA Systems – Plant 4D
- Coade – CADWorx Pipe
- Hydratec – HydraCAD
- Intergraph PDS
- QuickPen PipeDesigner 3D

MB-900-3

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VIC/PDMS PIPING CATALOGS

Vic/PDMS Piping Catalogs are a set of Aveva (Cadcentre) Plant Design Management Systems (PDMS) catalogs, allowing users to access and use Victaulic products in their PDMS piping system designs.



Customer Support

In addition to offering software solutions, we provide comprehensive customer support to assist you in designing and specifying Victaulic piping systems.

Updates, as they become available, will be posted to the Victaulic website. For additional information, visit our website at www.victaulic.com/software.



www.victaulic.com