

# **Applications**

**AEC**

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## ARCHT v13.5 OEM

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Our product is an OEM port of Ketiv Technology's ARCHT v13.5, an award winning 3rd party Architectural software for AutoCAD r13. This product was the only 3rd party support provided for AutoCAD v12. Our efforts will focus on porting, marketing, and supporting an SGI version of this software, and further developing the application to take advantage of SGI's hardware/software advantages. An agreement has been made with Ketiv, for joint marketing of the product under a separate label and support terms.

IRIX version compatibility: 5.3, 6.2, 6.3

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## AutoRouter™

Roger Badwar  
VP, Marketing & Sales  
Design Power, Inc.  
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AutoRouter™ - Automatic Pipe Routing and Plant Modeling System is the leading knowledge-based system for plant concept design. AutoRouter enables plant designers and engineers to make early decisions in the design engineering work flow that have great impact upon costs and life cycle of the total project. It includes a fast automatic pipe router with advanced features to change the piping logic, including changes in routing order, equipment piping vicinity rules, user-defined header routing, and other advanced user-changeable options. Advanced automatic nozzle placement module AutoNozzle, and the automatic placement of inline components such as tees, reducers, and control valves are parts of AutoRouter. The AutoRouter module called Plant Builder, allows rapid creation of pipeway, and pedestal structures. User-changeable obstacles, and equipment placement enables evaluation of plant layouts. To facilitate rapid evaluation of plant models, AutoRouter outputs MTOs which provide cost indications of bulk materials, and exports pipe and plant data files in ASCII format to other plant design systems. AutoRouter is built as an application on top of Design++(RTM), a knowledge-based environment for rapid development of plant, building and equipment designs.

IRIX version compatibility: 6.2

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## CSA PLANT/CMS

Norbert Burger  
Systems Administrator  
Construction Systems  
Associates Inc  
1090 Northchase Parkway  
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**770-955-3518**  
**770-956-8748 (fax)**  
**nburger@csaatl.com**  
**<http://www.csaatl.com>**

Construction Systems Associates, Inc. provides industrial and utility plant configuration 3D modeling and plant database software solutions. CSA also provides modeling and database building services using these software solutions. CSA's software provides a means to model physical structures and logical representations of process, power and industrial plants, offshore platform, ships and other complex, congested facilities. Large volumes of non-geometric data may also be attached to model components using CSA Data Management facilities. Interfaces to structure, pipe stress analysis scheduling, and Database Management Systems are also available.

IRIX version compatibility: 5.x, 6.0, 6.2, Pre 5.x

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## Construction CAE

George Belonogoff  
VP and Manager  
Bechtel Software, Inc.  
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San Francisco, CA 94105-1895  
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**415-768-8947**  
**415-768-6663 (fax)**  
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**http://www.bechtel.com**

Construction CAE facilitates the creation, planning, and scheduling of construction and maintenance activities in a highly interactive and visually graphic way. This is accomplished by relating Bechtel's 3DM or other CAD model components to a scheduling program(s), and using CCAE's features: •Import, modify, or create CPM schedule activities. •Relate model components to schedule activities. •Plan the usage of resources (handling equipment, welders, pipe filters, etc.) •Define motions and work operation events for individual model items. •Graphically animate the schedule, and modify it to perform what-if scenarios. •Output detail and summary schedules, animated video tapes, and annotated hardcopies.

IRIX version compatibility: 5.x

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## ICAADS

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Integrated Computer Aided Architectural and Engineering Design Software (ICAADS) provides an integrated solution where alpha-numerical data can be retrieved from the 3-D digital model. It consists of the integration of the different disciplines involved in building design, structural building, HVAC, interior design, and facilities management and maintenance.

IRIX version compatibility: 5.3

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## MicroStation Review™

Tom Anderson  
Bentley Systems, Inc.  
690 Pennsylvania Drive  
Exton, PA 19341-1136  
USA  
**800-778-4274**  
**610-458-1060 (fax)**  
**family@bentley.com**  
**http://www.bentley.com/**

MicroStation Review™ is a stand-alone viewing, visualization, redlining and non-graphic database management tool supporting the native MicroStation .DGN drawing file format. MicroStation Review allows read-only access to MicroStation .DGN files. Files imported from other software packages are translated transparently and on-the-fly into a .DGN format. By design, no changes to the .DGN file are permitted. Markups are saved to a separate file (.RDL) using a redlining "overlay" metaphor. The file format of the .RDL file is identical to MicroStation .DGN format, and can be loaded directly into MicroStation. MicroStation Review is also an application platform running add-on programs written in the MicroStation Development Language.

IRIX version compatibility: 5.2, 5.3

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## MicroStation® 95

Sales Department  
Bentley Systems, Inc.  
690 Pennsylvania Drive  
Exton, PA 19341-1136  
USA  
**800-778-4274**  
**610-458-1060 (fax)**  
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MicroStation 95 is a full-featured, productivity-enhancing 2D/3D computer-aided design product for drafting, design, visualization, analysis, database management, and modeling. It has a consistent, easy-to-learn look and feel on all platforms that it is supported on including the native OS/2 Warp version. MicroStation 95 continues the tradition of sharing abilities through the MicroStation Development Language(MDL™) by allowing the expansion of data creation, analysis and access capabilities with upcoming products readying user environments for MicroStation OpenSpace™ applications.

MicroStation 95 will run on the following platforms: Hewlett Packard 700 Series workstations running HP-UX 9.x or 10.x; Sun SPARC workstations running Solaris 2.4 or later; SGI Indigo Series workstations(MIPS R4000-based) running IRIX 5.3. or later; IBM workstations running AIX 3.2.5 or later

IRIX version compatibility: 5.36.x

## Myriad®

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Vice President, Marketing  
Informative Graphics  
Corporation  
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**602-971-6061**  
**602-971-1714 (fax)**  
**elena@infograph.com**  
**http://www.infograph.com**

Myriad® veivs, redlines, and plots more than 10 formats, including CAD, plotter output, scanned raster, hybrid, CALS, video capture, fax, word processing, and spreadsheet. Expanded A-through-J-size support with multiple-page TIFF, Postscript, and PDF veiw-ing. Supports URL and zip extended file access, DDE integration, and WYSIWYG veiw-ing.

Myriad's unigue Changemarks™ feature guides reviewers through multiple documents, calling out changes and notations. Other features include Side-by-Side Compare, Author tool, and Consolidate function.

Document release stamping on prints aids compliance with ISO 9000 and other standards and regulations. Softhooks™ technology allows seamless integration with document management systmes and databases.

IRIX version compatibility: 5.3, 6.2, 6.3, 6.x

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## PDMS© - Plant Design Management System

Steven Talbott  
Marketing Communications  
CADCentre, Ltd.  
High Cross  
Madingley Road  
Cambridge, CB3 0HB  
UK  
**44-1223-556655**  
**http://www.cadcentre.co.uk**

PDMS© the Plant Design Management System, is the world's most advanced package for detailed plant design. At its core is a multi-user, catalogue driven database which holds a full scale 3D solid model of the design. Engineers interactively build a realistic 3D computer model which is the source of all the detailed drawings, and documents used to construct the plant. PDMS features automatic analysis tools that guarantee a clash free, accurate design. Drawing and report production is highly automated and consistent throughout.

IRIX version compatibility: 5.2, 5.3, 6.2

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## PEGS© - Project Engineering & Graphics System

Steven Talbott  
Marketing Communications  
CADCentre, Ltd.  
High Cross  
Madingley Road  
Cambridge, CB3 0HB  
UK  
**44-1223-556655**  
**http://www.cadcentre.co.uk**

PEGS© the Project Engineering and Schematics system, is an intelligent multi-user, multi-discipline engineering database system for the production of schematic drawings. Starting from process simulation data, PEGS provides intelligent drafting tools to create schematics for all engineering disciplines including Process Flow Diagrams, Piping and Instrumentation Diagrams, Electrical Diagrams and Plot Plans. The PEGS database ensures consistency across all project drawings and documents. PEGS QUERY© links PEGS with QUERY©, CADCentre's software toolkit for accessing information held in other systems and other databases.

IRIX version compatibility: 5.2, 5.3, 6.2

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## PerEdit

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Echtzeit-Perspectix AG  
Sonneggstrasse 76  
Zurich, CH-8006  
Switzerland  
**41-1-3640903**  
**41-1-3635205 (fax)**  
**eichelberg@echtzeit.ch**  
**http://www.echtzeit.ch**

PerEdit is a multimedia authoring tool that handles 2D drawings, images, test, 3D graphics, audio, and music. Instead of using scripts or a formal programming language (such as Java), all temporal and visual presentations are specified as object compositions within interactive editors. A visual programming environment allows very intuitive definitions of executable multimedia documents which can be embedded in the PerText hyper-media text editor or distributed over the Web using the PerWeb+ browser.

IRIX version compatibility: 6.2

## **RADIANCE 3.0**

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**510-486-4089 (fax)**  
**gjward@lbl.gov**  
**[http://radsite.lbl.gov/  
radiance/HOME.html](http://radsite.lbl.gov/radiance/HOME.html)**

RADIANCE 3.0 is a suite of programs for the analysis and visualizations of lighting in design. Input files specify the scene geometry, materials, luminaries, time, date, and sky conditions (for daylight calculations). Calculated values include spectral radiance (i.e. luminance + color), irradiance (luminance + color), and glare indices. Simulation results may be displayed as color images, numerical values and contour plots. The primary advantage of RADIANCE over simpler lighting calculation and rendering tools is that there are no limitations on the geometry or the materials that may be simulated. RADIANCE is used by architects and engineers to predict illumination, visual quality and appearance of innovative design spaces, and by researchers to evaluate new lighting and day lighting technologies.

IRIX version compatibility: "5.2, 5.3, 6.x"pre-5.x5.x6.x

