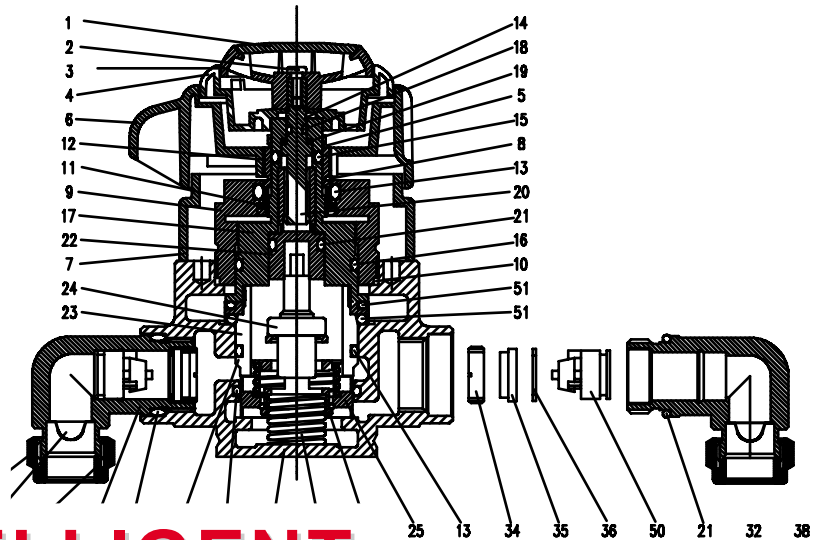
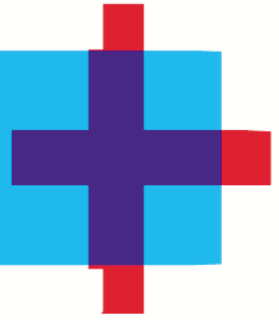
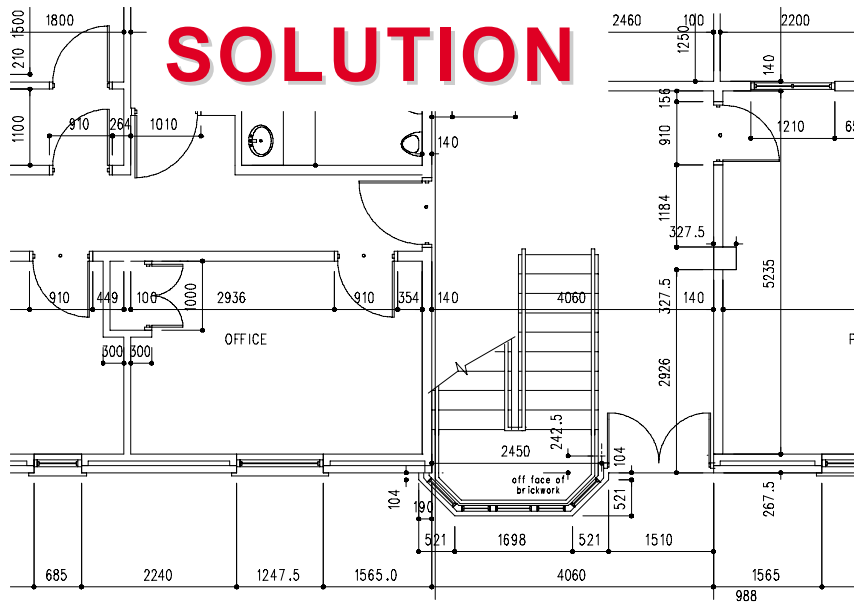


# paraCAD+ for Windows

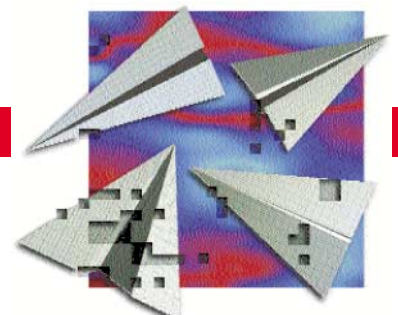
PARA



## THE INTELLIGENT SOLUTION



*CADlogic*



# Put Parametric Power Into Windows with paraCAD+

**paraCAD+** is a powerful 2D Computer Aided Design system, simple to use but having the major benefits of interactive parametrics, tailorability, high-level programming language and functionality found only in CAD software costing far more.

## Familiar User Interface

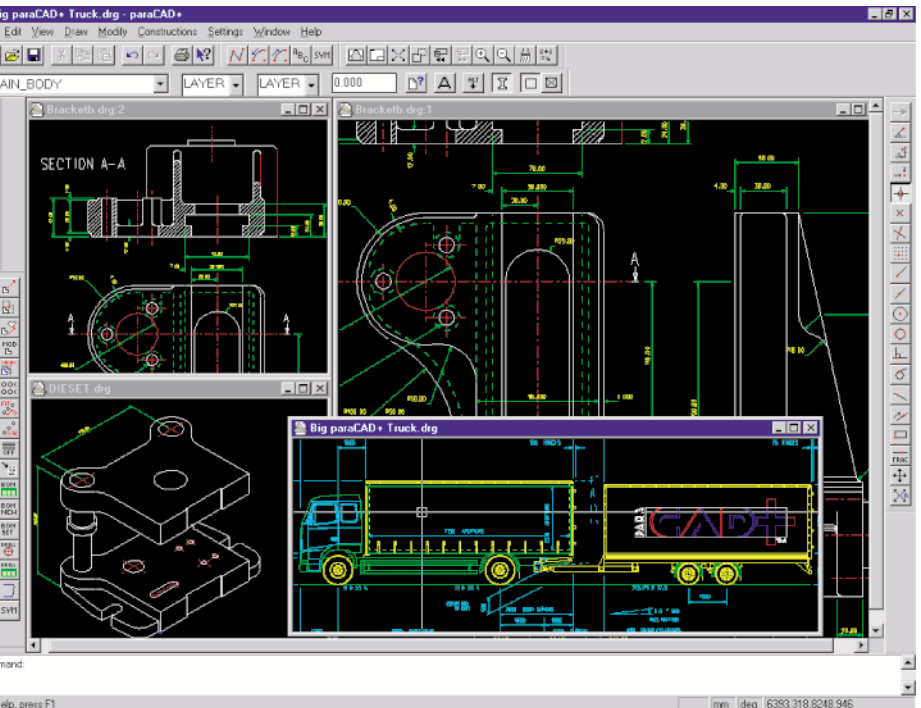
Developed for Windows, Windows NT and Windows 95, paraCAD+ uses the standard user interface associated with the Windows environment, making it intuitive to use and easy to learn. As you would expect from Windows based software, paraCAD+ allows the user to edit multiple drawings simultaneously and to cut and paste between them. Therefore, within paraCAD+, several drawings can be opened at the same time so information can be easily obtained from one drawing and used in another.

The on line help available for Windows software means you can quickly find information about any command in paraCAD+, with the context sensitive help letting you visually select the part of paraCAD+ with which you require help and taking you directly to that topic.



## A Working Environment Designed For Productivity

Built into paraCAD+ is an intelligence not available in other systems. paraCAD+ understands drawing units, sheet sizes and drawing scale, and allows you to modify these at any time during the design process automatically updating the drawing. This intelligence also offers the designer many benefits and time saving features, such as : being able to toggle between units when entering values



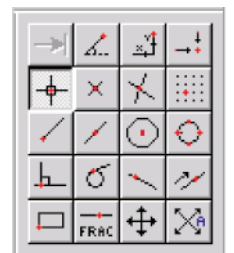
for distances and angles; symbols drawn in one type of drawing units (e.g. inches) are automatically scaled correctly when inserted into drawings set to other units (e.g. mm); dimensioning on a drawing can be automatically converted between drawing units simply with the selection of one menu item.

Another unique feature in paraCAD+ is the ability to create text styles with a height defined in paper units. By using this feature you are setting the height of the text when the drawing is printed and, regardless of how the sheet size or scale are changed, the printed text height will remain the same. This, along with the ability to globally update the features of text on a drawing simply by modifying the style, gives you complete control over the printed output.

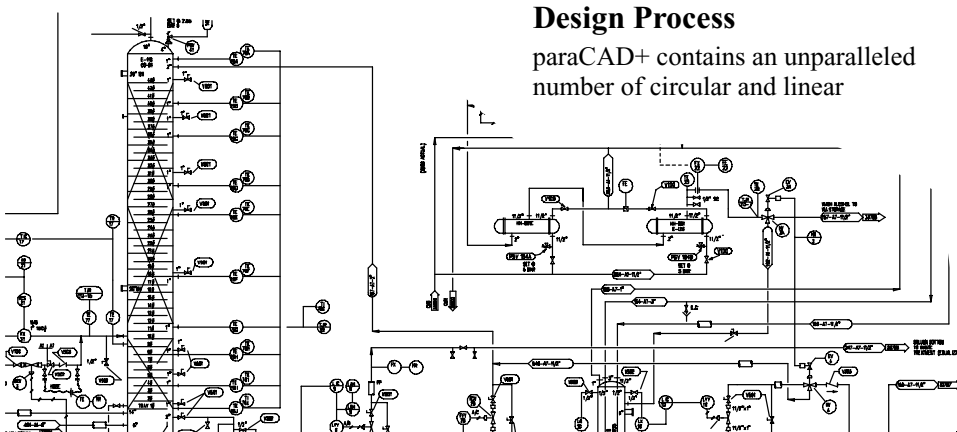
## Drawing Tools To Ease The Design Process

paraCAD+ contains an unparalleled number of circular and linear

construction and projection routines allowing easy construction of complex geometry. Construction entities can be forced to a separate construction layer if required and this layer, like any of the unlimited number of layers in paraCAD+, can not only be made visible or not, but can be set as not plottable. This allows you to include information or geometry on the drawing that will be displayed on the screen, but will never appear when the drawing is plotted.



The efficiency with which paraCAD+ can produce accurate geometry is further enhanced by the numerous snaps and snap toggles. The snaps which are contained on a dockable toolbar, cover all combinations of possible geometric points you would need to snap to. These can be used in combination with the snap toggles to allow you to draw relative or at a bearing from a snapable point, making it very easy to draw with reference to existing geometry. When prompting for values, paraCAD+ will allow you to enter a calculation, the result of which is used by the command, thus making it even quicker to produce the required geometry.



## Editing Made Simple

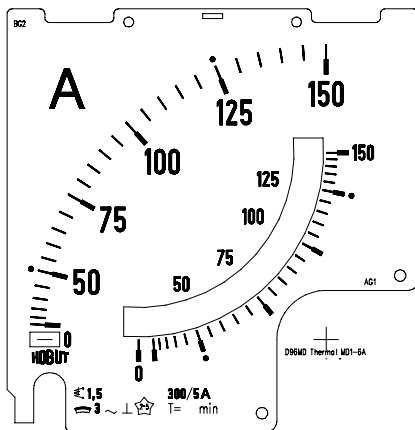
The advanced editing tools in paraCAD+ provide quick methods of modifying drawings. Again the tools provided by paraCAD+ are designed to make the software efficient and easy to use. For example, trimming and extending of entities has been combined into one command, and the colour, linestyle and layer of entities can be changed to match those of another entity on the drawing simply by picking the entities. Various options for filleting, chamfering and breaking of lines are included within the editing features.

Entity selection is made easy by allowing entities to be added and removed from the selection using any combination of single entity selection, window and crossing box, and these selection sets can be manipulated, deleted, copied, etc. As a final safeguard, the Undo / Redo commands within the system allow unwanted changes to be quickly reversed.

## Text and Dimensions To Cater For All Your Needs

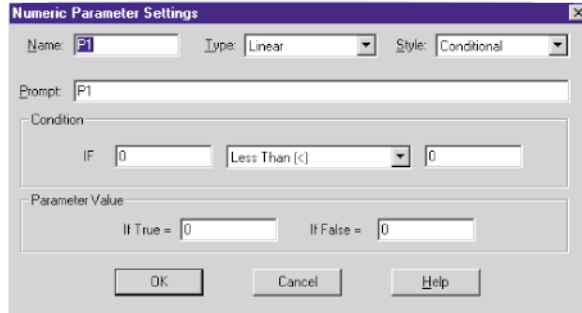
The dimensioning in paraCAD+ is both flexible and comprehensive. Various types of dimensions are available for normal, toleranced, limits and fits, dual units, etc. simply by selecting the required option in the dimension text dialogue box. At this point additional features for diameter symbol, true position box, scaling, etc. can be included with the dimension simply by checking the appropriate box on the dialogue. If, at a later date, you require to change the dimension paraCAD+ will return you to the same dialogue box where all the features of the dimension can be modified.

As well as the True Type fonts and multi-line text insertion and editing included in paraCAD+, a separate Notes View is selectable on the menu which will open a Notes Window



Courtesy of Howard Butler Limited

attached to the current drawing. This Notes View is a text page stored within the drawing file and text can be cut and pasted between it and other Windows applications, or the text insertion dialogue. The Notes View has obvious uses for the storage of issue notes and information relating to the drawing that you do not want to appear on the drawing itself.



## Parametrics Have Never Been Easier

The intelligence in paraCAD+ also gives the product full associativity, with hatching and dimensions updating automatically as the drawing is modified. This associativity is the basis for the powerful parametric capabilities of paraCAD+, with the same drawing and construction methods being employed when creating parametric drawings as are used for normal drawings. Simply by defining the required parameters and selecting the associativity toggle, parametric drawings can be created using normal drawing methods.

These parametric drawings can be called into other drawings and you will be prompted for new values for the parameters, and the symbol will be drawn to the new sizes. Modifying parametric symbols on a drawing is even easier, simply by changing one or more of its parameters the symbol will be automatically re-drawn to the updated sizes. There is no limit to the complexity of a parametric detail, it can be as simple as a variable size slot or as complex as a fully dimensioned assembly drawing containing several levels of nested parametric details.

The ability to quickly modify drawings and parametrics means that design options can be investigated with ease.

## Customisation - You re In Complete Control

In addition to its powerful built in features, paraCAD+ has been designed so it can be easily customised to users specific requirements. Tailoring of the system, like the rest of paraCAD+ is designed to be quick and easy. Menu and Dialogue definition files are simple text files that can be edited using Windows Notepad or similar, and the icons in the system are part of larger Bitmap files which can be modified using Paintbrush. You can define your own command abbreviations simply by editing the menu file, or you can add your own objects or commands to the system using the CPL programming language.

With the CPL language you have access to the heart of paraCAD+ and the drawing database. With support for Dynamic Data Exchange (DDE) or OLE Automation, paraCAD+ can link to other Windows based software such as databases and spread sheets. This gives paraCAD+ the power to share data with these and other packages written in Visual Basic or Visual C++. With these features paraCAD+ can be customised to almost any application area.

## Sophisticated Add-ons

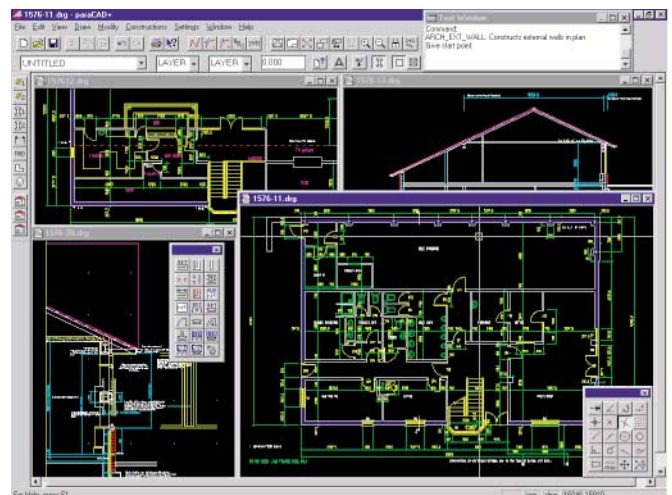
Using a combination of these customisation methods, CADlogic and developers have produced a number of add-on modules for paraCAD+. These include :-

**archCAD+** a full architectural design package for building design and site layout.

**archCAD+ SAP** an extension to archCAD+ for SAP Energy Rating Calculations

**procAD+** process plant schematics.

**paraCAD+ Tablet Driver** a digitiser interface for paraCAD+



## SYSTEM REQUIREMENTS

### Microsoft Windows 3.1or later, and Windows 95

- Personal Computer using 386 or higher processor (486 or better recommended)
- Windows running in 386 Enhanced Mode
- 8Mb RAM minimum, 16Mb or more recommended
- 8Mb or larger Windows swap file
- 10Mb of free disk space
- Windows supported graphics adapter, VGA or better
- Windows supported pointing device (e.g. Microsoft Mouse)

### Microsoft Windows NT

- Personal Computer using 386 or higher processor (486 or better recommended)
- Windows NT 3.5
- 12Mb RAM minimum, 24Mb or more recommended
- 8Mb or larger Windows swap file
- 10Mb of free disk space
- Windows supported graphics adapter, VGA or better
- Windows supported pointing device (e.g. Microsoft Mouse)

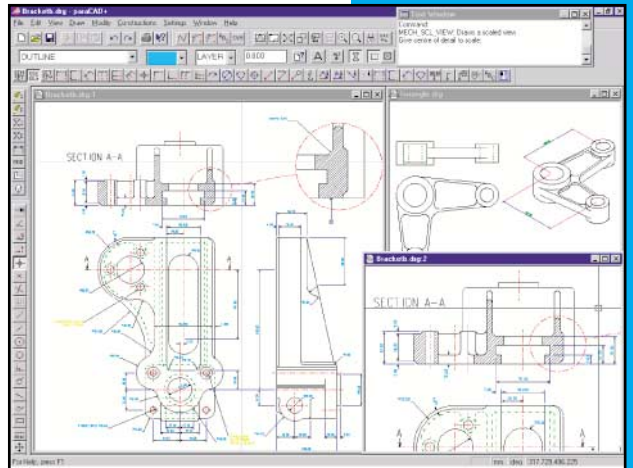
## CADlogic Limited

CADlogic Limited was established in 1988 as a supplier of CAD systems to the engineering and architectural industries, and even at this early stage were involved in tailoring systems to specific customer requirements.

CADlogic have their own CAD system, and have sold and supported this system for over 6 years, as well as being dealers and application developers for other well known PC based CAD systems.

The success of CADlogic has come from offering high levels of technical support to our users and having engineering and architectural personnel within the company with the expertise to talk customers language and to tailor CAD systems to specific application areas. The company has grown since 1988 increasing its staff and its customer base. This fundamental strategy has allowed CADlogic to use the in-house expertise to design and develop this revolutionary new CAD system that defines a new standard for price/performance within the CAD industry.

With the ability to tailor paraCAD+, and our broad range of expertise we are able to develop application modules for paraCAD+ that are powerful and easy to use, but more importantly they are what the user really requires as a productivity tool.



**CONTACT YOUR DEALER :**

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