Three Rivers Computer

DOGS

DOGS enhances design engineering productivity

DOGS*, the Drawing Orientation Graphics System, is CADCAM software at its best. Running on Three Rivers Computer Corporation's PERQ - the definitive graphics workstation, DOGS lets you simply and economically produce high quality technical drawings for a wide range of disciplines.

Extremely easy to use, DOGS closely emulates the conventional procedures that a designer would naturally follow. The ease at which DOGS can be integrated into your normal office procedure is a benefit both in terms of achieving staff acceptance, and in increasing productivity.

Scope of capabilities
In addition to its powerful graphics facilities, many of which are offered only by the most expensive systems on the market, DOGS provides a range of general and application oriented CAD/CAM features, such as:
- parts lists and schedules
- cartographic and public utilities records
- parametric drafting
- optional 30 wire frame models
- N/C interfaces

A range of applications
DOGS supplies tools to assist you in efficiently developing your conceptual ideas through to finished products. Successfully used by more than 70 organizations worldwide, DOGS application areas include:
- mechanical engineering
- electrical engineering
- architecture
- structural engineering
- civil engineering
- public utilities
- mapping and planning

The complete graphics environment
Combining DOGS with PERQ results in a completely self-contained and free standing, yet extremely powerful Computer Aided Engineering Workstation.

PERQ hardware supports features that are essential to effective interactive graphics, such as:
- a high resolution screen (768 x 1024 pixels) with fast refresh rate
- a graphics tablet and puck in addition to a keyboard for easy, efficient drawing
- large main store capacity for quick access to information, plus sufficient disk capacity for permanent storage
- powerful processing hardware for rapid image manipulation

As a stand alone system, PERQ's low entry cost makes it the ideal CAD workstation for the small design office. Linked together in a local area network, PERQ offers capabilities for larger organizations to share their various computing resources and peripherals and to communicate design and manufacturing data. By building a network, users each receive the full power of a dedicated PERQ, without degradation of performance. System growth is sensibly and economically achieved by addition rather than replacement.

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Drafting control

DOGS incorporates many features designed specifically to eliminate repetitive aspects of the drafting process, thus releasing you to concentrate on the more interesting and creative aspects. DOGS provides facilities that drastically enhance your drawing productivity such as:

Parametric drafting

DOGS lets you write routines stringing together standard menu commands so that sequences of frequently used commands can be executed as a single option. Typically, parametric symbols may be used to store families of parts and associated design and manufacturing logic. In response to prompts, you simply provide the actual dimensions and other data, then DOGS draws the part with its correct dimensions.

Dimension

DOGS provides you with a full range of dimension annotations. DOGS can automatically add your projection lines and dimension arrows and even can measure and add the dimension itself. The process is straightforward, letting you retain full control over the layout of the dimensions.

Parts lists

DOGS incorporates an automatic parts listing facility which lets you assign non-graphical information to individual lines or complete components in your drawing. This may, for example, take the form of a part number and supplier for bolts used in a mechanical assembly or it may be the size, material and date of the installation assigned to a line of a map which represents a pipe. The information can be retrieved as a user-defined table.

Archive

DOGS enables you to store and retrieve drawing files, using a variety of identifiers such as creation and revision dates, or part numbers. With DOGS you can even merge part of an archived drawing with the body of your current design.

Views

When working with large-scale designs, DOGS lets you divide your drawing into as many as forty views (or layers) which may be drawn or displayed individually or in any combination.

One of many

DOGS is a member of the growing family of application software packages developed for the PERQ graphics workstation. Please contact Three Rivers Computer for more information about this and other available packages.

For further information contact