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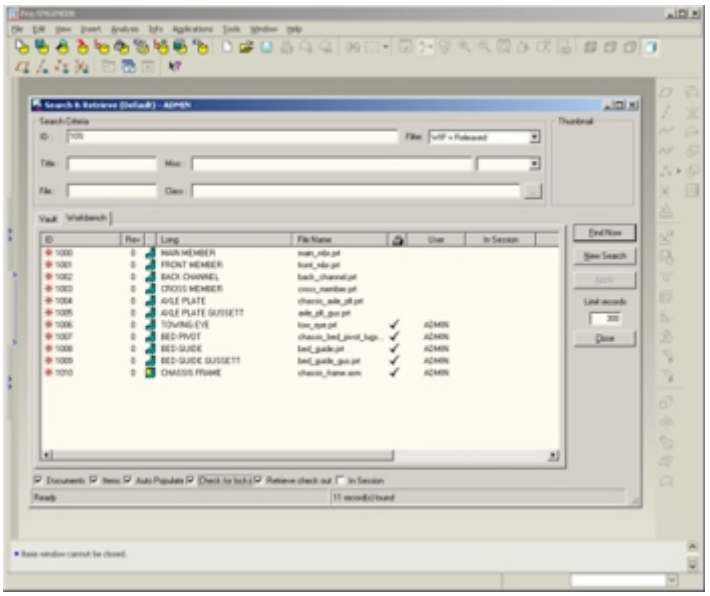
Product Data Sheet

Pro/Engineer Integrator

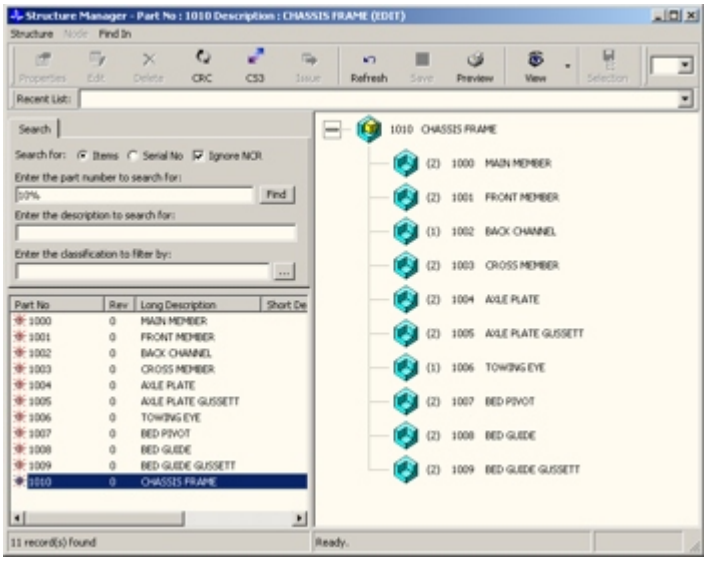
File Management and Product Data Management for Pro/Engineer Users

Managed properly, the information contained in your Pro/Engineer system is an invaluable enterprise resource. Your business revolves around not just those designs but also their associated data. Pro/Engineer is a powerful 3D CAD design package enabling your designers and engineers to create new and innovative designs faster than ever. It is capable of creating and generating lots of valuable information as the product evolves through its design lifecycle. Are you harnessing this powerful information so that it can be used in other systems?



During the design of a product your colleagues working both within the design workgroup and throughout the extended enterprise need to get involved in the design process. Collaboration of the design information and sharing of design data across your organisation becomes crucial in reducing the time to manufacture for your new product design. The problem is how can you effectively distribute this information throughout your organisation so that time to market, quality and costs are not adversely impacted.

Companies need to stay one step ahead of their competition and deliver quality products at the highest speed. Shortening cycle times is the key to survival. Delays in new product introductions caused by information gaps, misunderstandings and unmanaged change processes, can cause significant loss of income and reduction in market share. Avoiding this requires collaboration and communication across the enterprise.



When the new design has gone into manufacturing product enhancements and changes follow. Making those changes, controlling those changes and communicating their information throughout the company is key. Does your change process allow for effective, fast, traceable implementation?

The Solution:

Pulse PLM Pro/Engineer Integrator can harness the power of your design information and enable it to be effectively shared across your enterprise. A new menu and toolbar within Pro/Engineer provide seamless integration and interaction with Pulse PLM's file and data management features, enabling the engineer to become more productive and efficient without having to leave the native Pro/Engineer environment. With the power of Pulse PLM, engineers can share information with each other and other colleagues without fear of work being overwritten and confident that other colleagues can access the latest information as soon as it becomes available.

Improved Productivity

The Pulse PLM Pro/Engineer Integrator can dramatically improve your engineer's productivity by speeding up the way Pro/Engineer files are handled. Network bottlenecks and slow search paths can significantly hinder productivity. Pulse PLM removes the need for search paths and instead stores the complex Pro/Engineer file dependency information in a database while using advanced compression technology to store the files in a secure vault. The Pro/Engineer files are moved across the network in this compressed format and expanded on the engineer's local machine, thus improving file retrieval time. Pulse PLM allows for any number of designers to work on the same project at the same time yet protecting individual files by preventing unauthorised or dual access. All this results in faster design times and quicker time to market and to profit for your new products.

Bill of Material Management

While Pro/ENGINEER is a great tool for designing and the outline creation of a Bill of Material, its particular strengths don't lie in BoM management. Pulse PLM can take the as-engineered BoM's that come from Pro/ENGINEER and allow them to be manipulated via a drag and drop BoM Manager. Typically designers will not model every component in Pro/Engineer, so Pulse PLM allows for the addition of other non-modelled items such as fasteners, glue etc. This will allow for the creation of the as-manufactured or as-built BoM that can then be exported to the company's ERP system.

Prototype Costing

Other design information captured from the Pro/ENGINEER design like Length, Width, Mass, Material etc., can be used to drive reports such as item costing, cutting lists, process routes etc. The cost of a particular material type can be set and maintained by the Administrator, allowing for accurate and timely costing information.

Managing Change

Once a design has gone into production, Pulse PLM can again be used to automate and speed business processes, such as change and release management. Rapidly managing, communicating and incorporating product design changes improves product design quality, reduces scrap and rework and improves material and resource planning. Through the use of our unique Action Request manager, you can define custom processes with individual workflow, such as Engineering Change Orders, Corrective Action Requests etc. The Pulse PLM Pro/ENGINEER® Integrator is automatically linked into this information allowing engineers to perform the work instructions contained in these Action Requests.

Reduced Learning Curve

Implementation of the Pulse PLM Pro/Engineer Integrator can be accomplished in a very short space of time. On screen task wizards are provided for a variety of functions such as new file creation and file revision, gathering the information required and guiding the user through the process. The wizard seeks assignment of part numbers, description etc at the time of the file creation. Saving the file through the Pulse PLM Pro/ENGINEER® Integrator allows for the bi-directional transfer of data like BoM information, parameters such as mass, length, width, material type etc. The open dialog provides an interface for users to check files in and out from the vault to their local workbench and get in-depth information on the files and who else is working on them. Research shows that designers spend the majority of their time looking for information. Powerful search retrieve tools are provided within the Pro/Engineer Integrator to enabling users to find the information they are looking for. The cost of designing and stocking a new part when an existing stock part would have met the design requirements is sizeable. Pulse PLM provides tools to ensure that previous design data and information is maximised.

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Pulse Technology Systems Ltd 40 Main Street Coalisland Co Tyrone BT71 4NB **T** +44 (0) 28 8774 6030 **F** +44 (0) 28 8774 9446 **E** info@pulsesystems.net **Web** pulsesystems.net