

Jordan Valley Semiconductors Ltd significantly shorten their time to market with DDM



CSI talk to Jordan Valley Semiconductors Ltd about how DDM helped them resolve their difficulties with accurate data management and revision control. Jordan Valley is a manufacturing company shipping bespoke products to an international market. Seventy five per cent of the worlds top 25 semiconductor manufacturers rely on Jordan Valley metrology tools for front-end and back-end applications, including development of the next generations thin films.

What are the main challenges you face?

In the past we found it difficult to maintain an accurate part numbering system with revision control, engineering change processing and supplying PDF drawings to our suppliers. Most of our products were unique configurations and our designers had to ask each other what files were in use and ended up with duplicate parts and lost files. We found ourselves fire-fighting more than designing. DDM reduces data loss or duplication, using a sophisticated document and drawing control tracking system.

Revision History and workflows for engineering change control

CSI approached us 5 years ago with a solution called DesignDataManager to improve our data accuracy, reduce part duplication, introduce revision history and implement a usable computerised workflow for engineering change control. DDM also offered the added bonus of user permissions and a web interface. We implemented the data management system to control the parts and it also understood the structure of our assemblies making it possible for anyone to search the 'Where Used', 'Used On', and 'Bill of Materials' from DDM's user interface. We made use of part States and User Permissions, to allow designers to work on files that are not visible to Manufacturing and Purchasing departments and to help us eliminate accidental usage of unapproved parts and drawings. The web interface would prove extremely useful for Field Service Engineers working at customer sites to identify parts by name or part number and by using part previews. It would also allow them to view an older revision in case the customer had the older part - something not possible before DDM.

“DDM reduces data loss or duplication, using a sophisticated document and drawing control system.”

Quick and Easy Search using DDM search functionalities

We now have a very efficient manufacturing company compared to pre-DDM. Our service engineers can repair our products on site by locating the correct part first time using the DDM web interface's part preview, used on, BOM and search by part number or description functionality. We also use some custom properties to help identify parts controlled in our ERP system such as a Stock Code number. Purchasing and Manufacturing rely on DDM's automatically generated PDFs of Drawings to build and order machined parts from suppliers. We always have the correct revision with suppliers, which has reduced our non-conformance



We also had an office in Prague using ProEngineer®. We used a module from CSI called RIFS (Remote Intelligent File Server) to synchronise files locally between offices and a virtual private network (VPN) connection to the SQL server for the part information. The SQL data transmitted via the DDM was very fast and because the files were transferred to the local server the load times were very good. If a part was not available locally it was immediately pulled from the remote server. Most parts were synchronised during out of office hours over the VPN.

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Further expansion with DDM planned

We are looking into using the business workflow system in the near future to automate engineering business processes. For example, we can enter a flow chart and DDM can email purchasing to send the new drawing to the supplier when the revision increases. This is something that could be overlooked in a manual process.

We are also looking to implement DDM in our Headquarters office in Israel with the RIFS and we are going to use DDM with SolidWorks and ProEngineer simultaneously as a step towards ultimately migrating to one software package for CAD design.

DDM has been very useful and it is also an affordable price. We are a small company and most products were overly complex for our situation requiring more staff than we had available just to administer the systems. DDM is truly scaleable and can be implemented for a small team of CAD engineers through to large scale assemblies, integrating into extranets and across international offices and partners.

About DDM

DesignDataManager (DDM) is a multi-CAD, cost effective data management and reporting system for the leading modelling solutions including SOLIDWORKS®, Inventor®, IronCAD®, Solid Edge® AutoCAD® and Creo Parametric®. With a feature rich tool set, DDM provides control of all Intellectual Property and through a full audit history, enables you to track modelling, drawing, document modifications to provide crucial traceability and accountability. Using the familiar windows interface, DDM is an intuitive tool for managing data and business processes, across a whole enterprise. Global access to real time data eliminates costly errors and delays enabling to deliver to market faster.

About CSI

CSI develop and market DDM to SME businesses globally. With over 20 resellers worldwide, we provide you with professional and local service enabling you to achieve your goals without fuss. With over 20 years' experience in the industry, we pride ourselves on our strong customer focus, professional global support, in-depth product knowledge and quick solution implementation.

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