

Your benefit

- freely, easy and comfortable definition of the data to export in Agile PLM
- no dependencies on any application through the use of standards and strict separation of data (XML) and formatting (XSL)
- no special client required only an XSL-enabled internet browser; this makes it independent from applications and platforms
- your investment is protected through the use of the standards XML and XSL as well as standard-components in Agile PLM (LogiView, EIP)
- changes of data in comparison to former exports are recognized and incremental exports can be done, send to the receivers and just copied into the old export-data
- no additional licences required for the distributed data-sets, because only standards for data-definition and display are used
- upgrade to moSIS and/or moSISACTIVE possible at any time; they deliver additional functionality; only the "client" has to be exchanged
- the exported data is independent from application and platform and can be used for long-term-archiving
- the export-process runs as background-process: central administration and controlling, no time wasted at client-side while waiting for the application (user can work further on)
- faster and easier process engineering for the supplier
- electronic access to all (defined) product-data incl. files at customer or recipient site
- fast and traceable data exchange with automatic documentation and archiving
- quality of manufacturing process will become better (certification)
- searching and viewing in your network (LAN/WAN): moSIS gives you a cost-saving and comfortable tool to access the predefined and exported product-data

Prerequisites

- from Oracle Agile PLM e5.1 on
- runtime-licence for EnterpriseIntegrationPlatform (EIP)
- XSL-enabled internet-browser to display the XML-files with XSL-formatting (e. g. Internet Explorer from version 5.5 on)

References

Giesecke & Devrient GmbH, Knorr Bremse System für Schienenfahrzeuge, Dr. Johannes Heidenhain GmbH

Additional information is available from:

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moSIS for Oracle Agile PLM e-series

mobile Supplier Information System

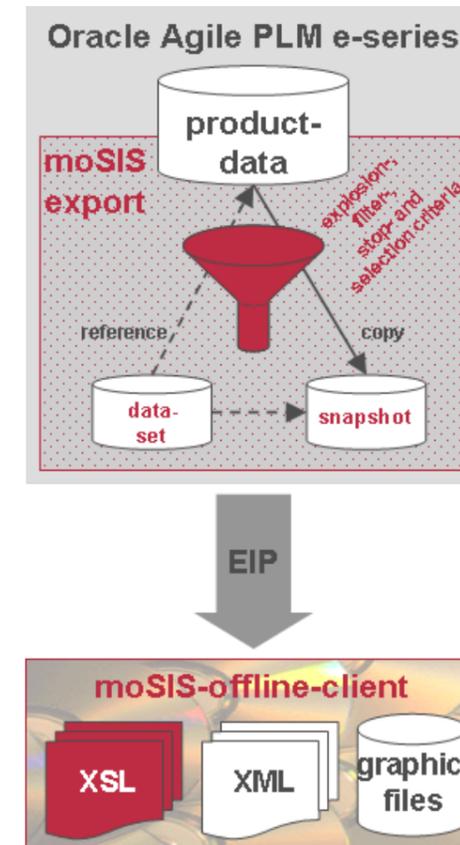
A comfortable information system for sales, field service, suppliers and customers

Product data nowadays are stored digitally and are necessary for many departments for production and their suppliers. But data exchange still takes place very often via paper although the data is stored in ERP or PLM systems digitally. Our mobile information system **moSIS** enables your sales and service people on the road and on customer site as well as your suppliers and customers to use all this important product data information electronically and offline.

Short description

moSIS is a system- and database-independent information system consisting of 2 parts: the central server component (moSIS export) within Agile PLM and the moSIS-offline-client resp. the data set outside of the PLM-system. It can be used for archiving and paperless transport of product data (part, bill of material, drawings, etc.). It also can be used by sales and service people to have the necessary product data on customer site – without online-connection to the central server. The preparation, processing and if applicable archiving is done in Agile PLM, the data export function itself uses the Enterprise Integration Platform (EIP). With that architecture the user has a comfortable and very flexible tool within his well known system to compile all the desired information. With a click the data export is transferred to a background process, which writes it to the defined directory. Because all necessary information is stored in the database this process can be repeated at any time. This also makes it possible to determine the changes made to the product data since the last time; you can provide this changed information next time. With the new snapshot-functionality you even can copy the data-set (or parts of it) into other tables within the application and thus "freeze" the current status.

To do the compilation of the data there are available powerful filter-, definition- and structure handling methods. This makes it easy, reliable and traceable to provide all recipients with the necessary information. When the export is done all the data exist in a predefined directory and is made up of XML-files (database information), graphical files and XSL-files (**moSIS^{light}** "application");



moSIS for Agile PLM (e5/e6) mobile Supplier Information System

A comfortable information system for sales, field service, suppliers and customers

this data can be processed further on for writing on CD/DVD, pack into an archive or send it via mail, etc.

To store the data externally XML-files are used; they hold all the exported information from the database and also all necessary information for formatting and displaying via XSL (e.g. links to other XML-data or graphic files). If the graphic files are PDF-files no further viewer (except Acrobat Reader, stand alone or browser-plug-in) is required. For all other formats an additional viewer may necessary at the receiver.

The „client“ itself consists of a bunch of XSL-files, which are used to format, display and navigate through the exported data in a XSL-capable internet-browser (e. g. Internet Explorer 6 or Netscape 7) – nothing else is necessary: no installation or additional licenses, just open the index.xml with your browser ... that's all.

moSIS^{light} comes with the basic functionality to display and navigate through the exported data (for details see the overview of functions). If more complex functions are required (e. g. multi structure explosion, special filters, changing of data, etc.) **moSIS** or **moSIS^{ACTIVE}** is necessary. With **moSIS^{ACTIVE}** even changing and creating of data will be possible.

Because data and formatting is strictly divided the XML-files are independent from any application and stay unchanged while they are formatted for display via XSL; this gives you the possibility to use these XML-files for a long-term-archiving.

The shipped XSL-files can be customized and changed by the customer (e. g. setting up corporate identity, etc.).

Even printing of data directly from the internet browser is possible – without any additional effort.

Concept

Using XML for data and XSL for display gives you exact separation of both and each of them can be easily changed. With this architecture only a few XSL-files are necessary to display a variety of data in a XSL-capable internet browser. For some basic functions special data and links are required (e. g. exploded representation of a multi-level part-structure) and have to be generated by the export. Also all desired overview lists have to be generated on export. All of this has effect on the export definition. For each root-element in the export definition there is a multi-level structure explosion created for the XML-file, so the receiver can get a quick overview.

All objects are "stored" in separate files (one element per file) which contain all necessary information and links to other objects or relations (e. g. bill-of-material, usage, document-relation, history, variants, etc.).

For an export there has to be created an export order, which contains all root elements, XSL-file-sets used, data to be exported, definitions for structure explosion and additional filters (e. g. only released objects, no original files, etc.). After the definition is finished the export is started in

background. The progress can be tracked via the status of the export order. All data is written to a single directory on the application server. At the end of the export an additional command can be defined to be executed on success or error (e. g. zip and mail, copy and burn on CD, etc.).

Overview of functions

- comfortable and easy tool for compilation of data for export in Agile PLM
- all functions for processing the export run as background process and use EIP to write XML-files and check out graphic files regarding the defined methods and filters; templates for structure explosion and typical filters are shipped with **moSIS**
- export orders incl. all exported data and history are stored in Agile PLM and can be used for delta-exports
- moSIS^{light}** "client" build of XSL-files for display and navigation of XML-files (index, list of parts, list of documents, multi structure explosion for root elements, quantity overview for root parts, bill of material, usage, document-relation, document-structure, document usage, part detail, document detail)
- powerful printing from all **moSIS^{light}** views

