



HELIOS

UNLIMITED PDM PERFORMANCE DEVELOPED BY ISD

*Redundance-free
data management*

*Automated
role workflows*

*Access and version
management*

PDM / PLM

isdgroup.com



THE WORLD OF CAD AND PDM SOLUTIONS

HELiOS - for safe corporate processes!

HELiOS reduces project lead times and optimises the entire product development process.

Today, data and document management, as well as the safety and traceability of processes play an important role in many enterprises from all kinds of industries. Products are created as a result of complex interactions, shared decisions and a wide range of information. The knowledge that is accumulated during the product life-cycle is usually not only created in various departments - from Engineering, Production and Sales through to Marketing - but even at globally distributed locations. This large amount of data makes an efficient process organisation and a clear communication between departments and locations very difficult. Other major challenges are the increasing complexity and frequently required customisation of products.

HELiOS, our multi-functional PDM solution, enables you to visualise even the most complex interactions in a clear and comprehensible manner and make them available to locations across the globe. State-of-the-art functionalities allow a convenient handling of the flood of data, a productive use of the company knowledge and the realisation of safe, transparent and optimised process cycles. HELiOS helps you remain competitive by shortening your lead times significantly and improving the complete product development process.



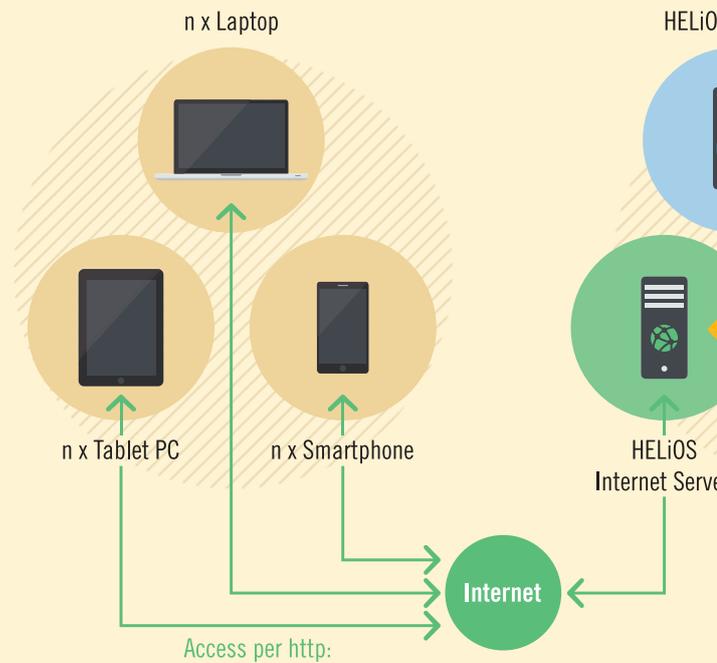
»HELiOS offers the best possible PDM functions for a central management of all product data and documents in our company. Even for very large assemblies, all data created during the product development process can be gathered systematically and presented in a comprehensible manner. In this way it is ensured that you are always up to date.«



Marc Steinhauer, Dipl.-Ing. (FH) Informatics/IT
Priess, Horstmann & Co. Maschinenbau GmbH & Co. KG



HELiOS can be adjusted perfectly to your requirements and can be integrated both into your E-CAD and M-CAD system.



Distributed workstations
without HeliOS Desktop

This is how it's done

HELiOS simplifies the cooperation and exchange of know-how across companies and geographically separate locations.

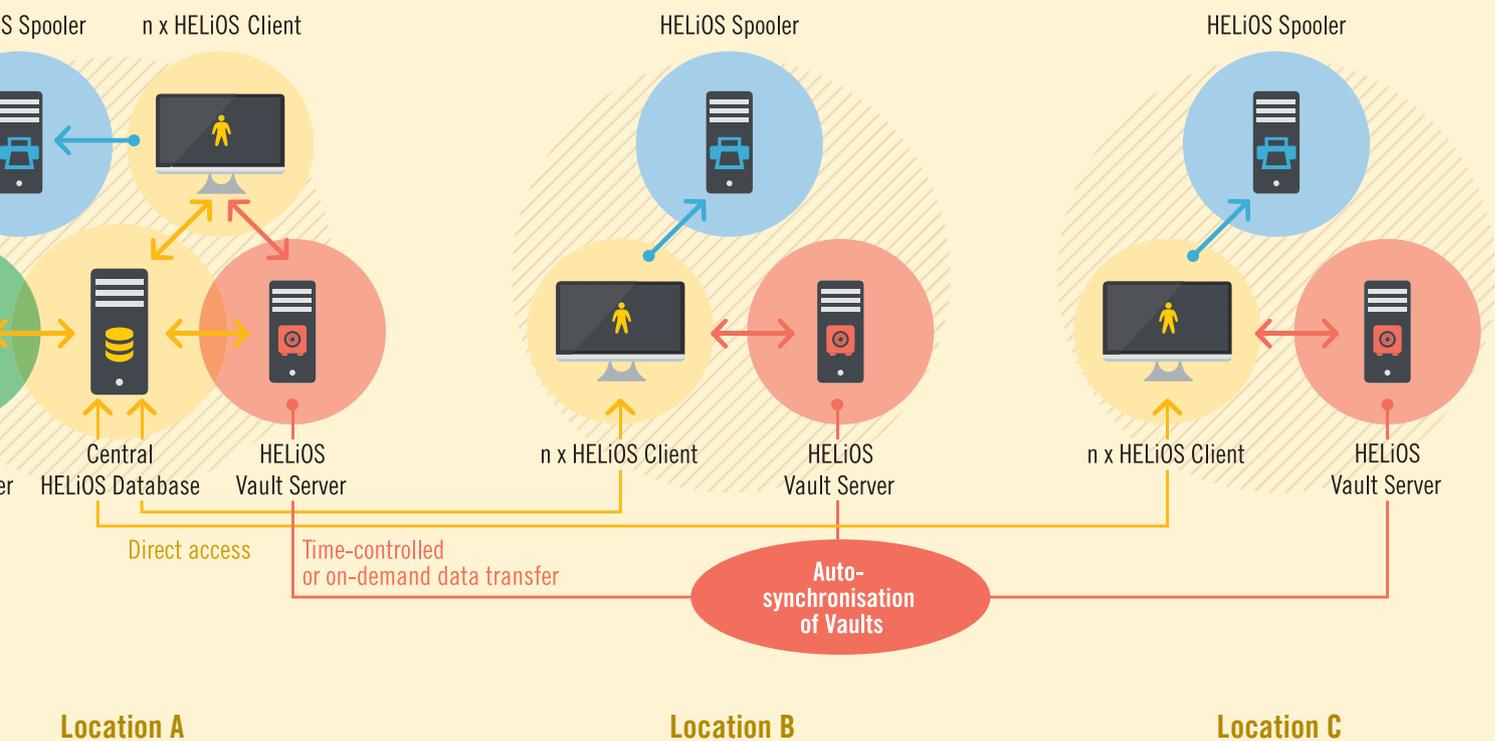
Accurately documented and optimised design processes.

A large part of the production-relevant documents is created in the Engineering department. Here, all product-relevant changes need to be accurately documented, e.g. for reasons of product liability, especially if several engineers are working on complex tasks simultaneously. HELiOS enables you to trace back all changes, see who changed what and at what date, and recognize the effects of the changes on other products. The possibility to keep track of all modifications at any time allows you, for instance, to work in full compliance with the guidelines of modern quality management (ISO 9000ff). Furthermore, you can use HELiOS to optimise your design processes. One of the most efficient methods to speed up the development of new products is the re-use of similar or cloned parts - provided that they can be retrieved quickly in the system. Studies have shown that in many companies new products are still designed from scratch more often than necessary, as the retrieval of similar products is deemed too time-consuming. In such situations the classification

tools of HELiOS are ideally suited for the standardisation and modularisation of your product portfolio. They increase the percentage of re-used parts, streamline the spare parts management and reduce your production costs. Bills of materials for production, mounting and component cutting can be derived directly from the product structure, supplemented by non-graphical or electrotechnical components (e.g. purchased parts, lubricants etc.), and auto-synchronized with data from ERP systems. Of particular importance is the Multi-CAD capability of HELiOS, i.e. the option to create interfaces to relevant CAD systems such as HiCAD®, AutoCAD®, SolidWorks® or Autodesk Inventor®. Such interfaces have proven very helpful in cooperation with customers, partners and suppliers, since in practice, the different parties involved in a project do rarely use the same CAD applications.

Safe information flow thanks to role workflow and access management.

HELiOS allows a safe and precise control of the information flow in an enterprise. Job steps, work instructions



etc. are automatically generated in the course of the role workflows and forwarded to the responsible employees. Furthermore, the role workflow management enables the control of various processes, e.g. granting of access rights, version tracking, document distribution, checklist editing etc. HeliOS safely manages the access rights for simultaneous and concurrent engineering - if required, across globally distributed locations. As a result, product development times are reduced, errors are detected right from the start, and the communication between Development, Production and Purchasing is improved significantly.

As the safeguarding of corporate know-how is an essential factor for the long-term success of an enterprise, HeliOS logs all accesses to this know-how and saves the documents to an "electronic safe" (Vault Server), protecting them against unauthorized access.

Central filing via document and content management.

Central filing is organized and controlled by the HeliOS document and content management. All data and documents created during product development, from E-mails to documented calculations, are made available here - well- structured, clearly visualised and always up to date. This is also true for product data created with Microsoft Office® applications. Powerful

search functions enable a quick retrieval of product-related data. All found documents of whatever type - from machine documentation to drawing BOMs - can be displayed, filtered and, via HeliOS Spooler, printed and converted at any location - from the machine documentation to the drawing BOMs.

Safe planning and control of projects.

One essential task of a PDM system consists in the control of processes in an enterprise. HeliOS enables an extremely efficient process management: Processes can be triggered in a time-controlled or event-controlled manner, according to conditions such as "Forwarding only possible after approval by employee X", or "Automatic forwarding to location A at 7.00 pm". The tasks are automatically entered in the to-do lists of the responsible employees, who will be informed by E-mail. Even very complex processes can be visualised, including all parties that are involved. And, as projects are usually bound to tight schedules, HeliOS offers the additional option to assign deadlines to documents within role workflows. The result list indicates, by means of traffic light symbols, how time-critical particular processes are, and enables you to check the current project status. The documentation and monitoring of projects by means of milestones and target dates efficiently prevents an accidental exceeding of deadlines.

At a glance!

The implementation of a PDM system in a company is an important decision and therefore requires a meticulous preparation to ensure a successful project realisation. Benefit from our experience and let us support you with the conception and customisation of the solution, the actual system implementation and the integration of your existing IT structure. Furthermore, various CAD and CAE interfaces are available as separate extension modules. They can be combined with HELiOS Office or HELiOS Engineer; please note however that in conjunction with HELiOS Office, only a purely document-based working will be possible. Without the Integration Modules, each HELiOS Basic Module offers at least the viewing functionalities for the respective CAD/CAE application.

- Flexibly configurable project and folder management ✓
- Article and BOM management ✓
- State-of-the-art document management ✓
- Utilizable across departments and Multi-CAD capable ✓
- Process management with indexing and role workflows ✓

HELiOS – A comparison of the basic modules

	Viewer	Office	Engineer
Find documents and articles	✓	✓	✓
Print documents	✓	✓	✓
Add documents		✓	✓
Change documents		✓	✓
Link (multiple) documents to articles		✓	✓
Document classification and document based workflow		✓	✓
Basis for document based CAD/CAE integration		✓	✓
Create and change articles			✓
Basis for article-based CAD/CAE integration			✓
Article classification, BOM management and article based workflow			✓

Much more than just PDM - all from one source!

The ISD Group, one of the leading providers of CAD, PDM and automation software, develops innovative solutions for entire process chains. Our software products HiCAD and HELIOS help our customers realise the most demanding design tasks throughout all fields of industry. Besides developing and selling our software products we offer a wide range of services and have experienced specialists for consulting, installation, training, maintenance, and a hotline in place. This enables us to provide you with a truly comprehensive service package from one source. Short ways of communication and customer proximity are a matter of course for us.

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