



# PDM Special

## Optimise your corporate processes

The PDM system HELiOS is a worthwhile investment

### PDM - A gain for all departments

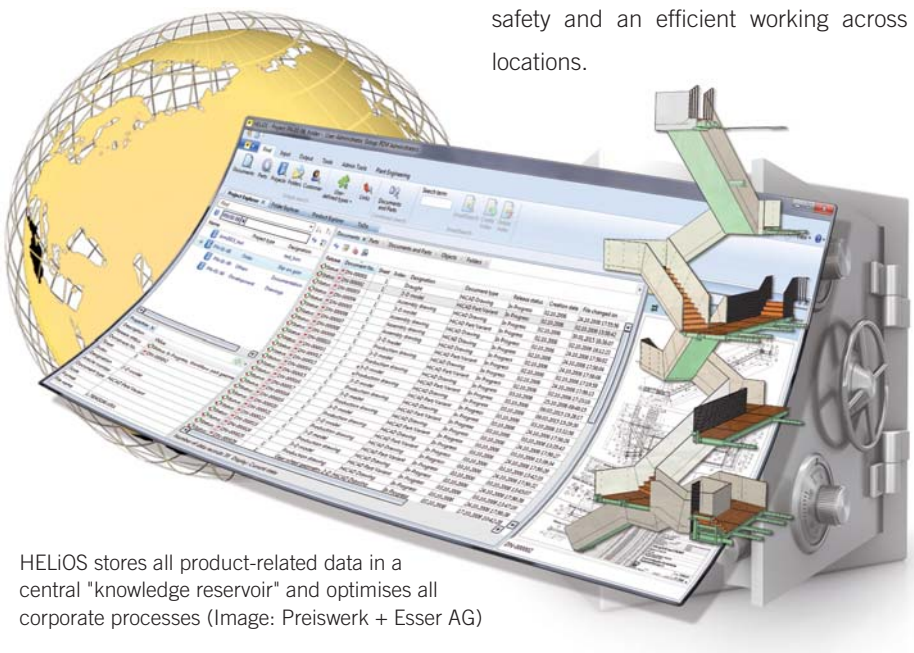
Data and document management as well as process safety and traceability play an important role in all departments of a company, regardless of its particular industry. This applies in equal measure to small-sized production companies and to large, globally operating enterprises. The implementation of a PDM system is one of the most efficient ways of achieving substantial increases in productivity while reducing costs throughout all departments, and thus creating significant advantages for all parties involved.

### About HELiOS

HELiOS is a multifunctional PDM system that combines product, process and peripherals management in one system. It allows a consistent gathering, managing and distribution of all data that are relevant to the coordination and control of production processes - E-mail correspondence, production drawings, documentation, and much more. HELiOS helps you optimise automation processes and lets you benefit from many advantages, such as a central and redundancy-free data management, automated workflows and report creation, comprehensive data safety and an efficient working across locations.

### HELiOS - The benefits

- **Design & Engineering**  
HELiOS ensures an exact documentation of design processes. You will always know what changes were made by whom and on what date. This allows a perfect traceability of change histories.
- **Production, Quality Assurance, Sales**  
You have constant access to current product-related data. Powerful search functions facilitate the retrieval of data and allow an instant visualisation of found documents of whatever type.
- **General / Project Management**  
HELiOS also facilitates decision-making processes thanks to a very clear representation of the workflows at your company. This enables an early detection and resolving of problems. Statuses of project-related documents can be checked at any time. And in case of imminent delays, timely corrective action can be taken.
- **Customers**  
Customers will also benefit from HELiOS, as their service has direct access to all relevant data. This enables them to react much faster and in a more flexible manner.



HELiOS stores all product-related data in a central "knowledge reservoir" and optimises all corporate processes (Image: Preiswerk + Esser AG)



## Flexible through Multi-CAD capability

Especially in conjunction with a CAD system, the use of a PDM system is of great benefit to any company, since a large amount of product-relevant data are created in the Engineering department. Here, all data must be documented carefully, in particular in cases where several engineers are working on complex tasks simultaneously. HELiOS allows you to check who changed what and when, and enables you to instantly see the effects on other products. And even Engineering departments working with different CAD systems can benefit from these advantages thanks to the multi-CAD capability of HELiOS, which offers standardised interfaces to market-relevant CAD systems such as HiCAD®,

AutoCAD®, Solid Works® or Autodesk Inventor®. This flexibility has proven particularly helpful in cooperation with customers, partners and suppliers, as in practice, it happens quite often that the parties involved in a project use different CAD systems.

## Rapid data exchange with ERP

HELiOS allows a direct deriving of product structures and BOMs, no matter what CAD system you use. Interfaces to almost all ERP systems such as SAP, AP+, Sage, proAlpha etc. enable a convenient working across departments and partner companies right from the start. In this way it is ensured that the right information will be available to the right recipients in good time.

etc.), i.e. outside of CAD and PDM systems. By means of interfaces to Microsoft Office®, these data can be easily incorporated into the product models managed in HELiOS.

## Process automation

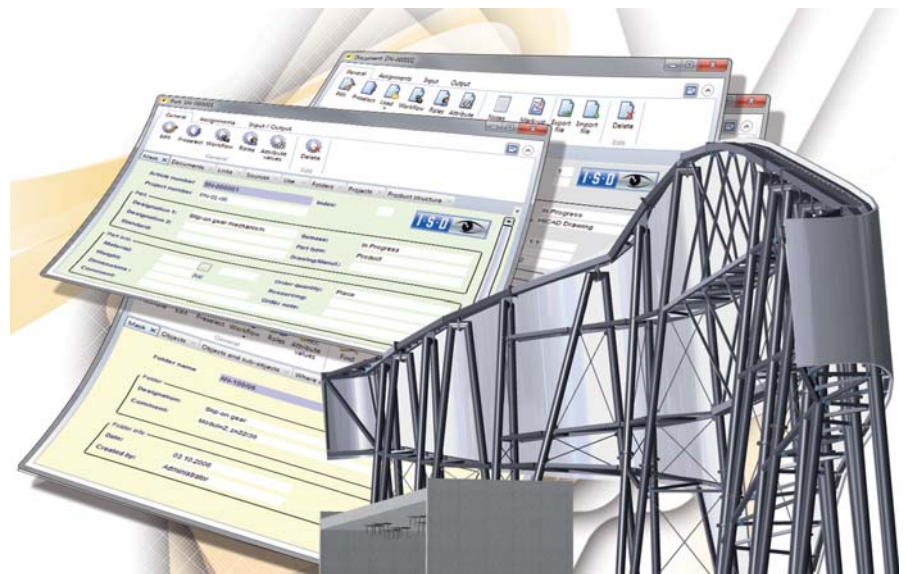
All corporate processes and mechanisms such as access rights, version control, document distribution, release and change management etc. can be handled by HELiOS with utmost precision. Necessary order processing steps, work instructions and other information are automatically generated and forwarded, in a time- or event-controlled manner, to the responsible persons. The print/plot management allows an automatic printing of all production documents of an assembly or a project. These and many other automatisms improve working across departments and locations significantly, and thus have a positive effect on the entire product development process.

## PDM with HELiOS - Benefits

- Central file storage and safe-guarding of corporate know-how
- Precisely documented, optimised design processes
- Fast and safe communication across departments and locations
- Safe flow of information through access rights and workflows
- Reliable planning and controlling of projects
- Fast integration of foreign CAD systems via interface (Multi-CAD)
- MS Office interface
- Interface to ERP/PPS systems
- Flexibility through modular structure

## Microsoft Office interface

Many product data existing in a company are created in various Microsoft Office® applications (e.g. texts, tables, E-mails



Detail window with Ribbon (Image: IXECT Group )



## HELiOS 2015 - Simplify your work!

HELiOS 2015 is the latest version of our PDM solution. Our developmental focus was on a further increase of user-friendliness and a higher degree of automation, with the objective to help you save precious time at work. And we will continue to pursue these goals in our next Service Packs. Highlights of the new version include enhanced operability, the standardized user interface and dialogues, the increased performance of result lists, the new HELiOS Spooler, further enhanced Multi-CAD and Office interfaces, the official certification for Windows 8, and much, much more.



The HELiOS Spooler - Automatic printing of all documents of a project at any location, with automatic conversion of CAD data (Image: ISD)

## The new HELiOS Spooler

The new HELiOS Spooler makes print and plot management even more convenient. Besides HiCAD, the Spooler now also directly supports AutoCAD, Inventor and SolidWorks, and CAD data can be automatically converted to other formats, e.g. PDF or STEP. Different output directories can be defined for different formats. Of particular note is the fact that customer-specific automatisms can simply be realised as Spooler Add-ins. A concrete example is the creation of customer-specific documents, e.g. upon release of a part or a document.

## Easier operation

Working with HELiOS has now become even easier, thanks to the redesigning of GUI and dialogues according to the latest technological standards. Examples of this are tooltips with brief function descriptions, the possibility to hide and show

Ribbon bars in detail masks, the representation of project and folder structures in the form of structure trees, printing of all documents of a folder at the push of a button, the increased performance of result lists, and much more. Working processes are more fluent, and your goals can be achieved with only a few mouse-clicks.

## Optimised out-of-the-box installation

To further optimise the interactions of different CAD systems with HELiOS, adjustments for the corresponding system will now be performed automatically during installation. Furthermore, various initialisation values and title block templates have been revised. This enables you to start your work immediately, without having to waste time on manual settings.

## New in HELiOS 2015

- Redesigned user interface
- New HELiOS Spooler
- Optimised out-of-the-box installation for SolidWorks, AutoCAD and Inventor
- Office interface with optimised toolbars
- Enhanced Mark-up and Redlining feature
- New ToDo lists \*
- New index management with optimised user guidance \*
- Input fields showing last used input values \*
- Automatic loading of linked drawings for SolidWorks and Inventor \*
- Intelligent filters for search result lists \*

### Cooperation with EPLAN

Another factor guaranteeing constant top-notch performance of our products is our extensive cooperation with leading partners. One of them is the globally operating German company EPLAN Software & Service GmbH & Co. KG, that belongs to the Friedhelm Loh Group. EPLAN develops CAE solutions and advises companies in the optimisation of their engineering processes. Its product portfolio includes EPLAN Electric P8, an innovative solution for project planning, documentation and management of electrotechnical automation projects. To

### Interface to EPLAN Electric P8

The new interface enables you to manage CAD and electrical engineering data and make them available to different systems - in addition to the already existing CAD integrations. The realisation of the HELiOS-EPLAN interface is scheduled for autumn 2015.

Some of the planned features are:

- Integration of HELiOS functions into EPLAN
- Central management of mechanical and electrotechnical data
- Parallel and synchronized engineering processes



To the EPLAN website

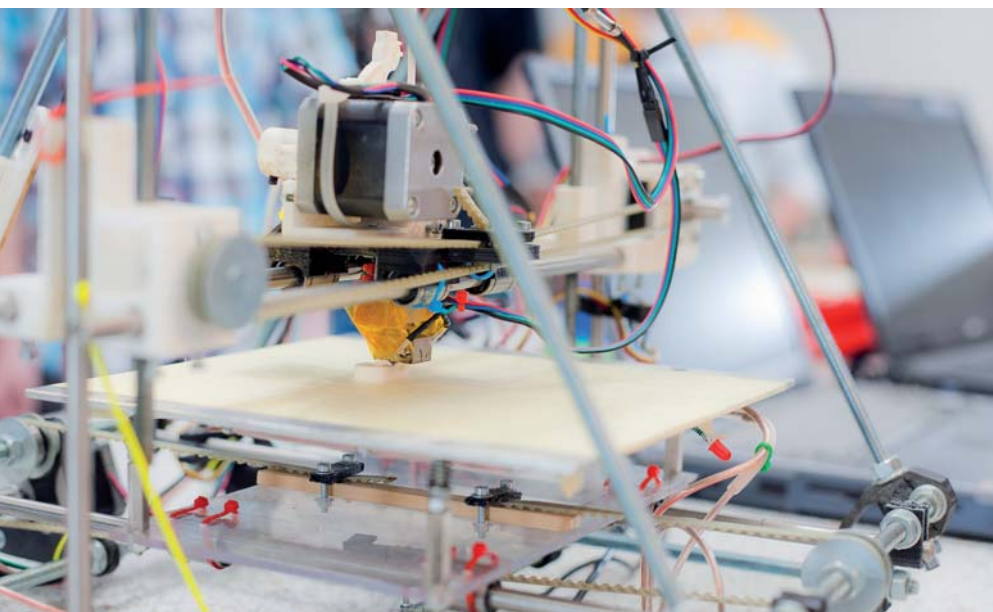


### Side note

Having already supported Windows 8 and 8.1, HELiOS has now also been officially certified for these operating systems by Microsoft. From now on, the certification will be renewed for each new Windows version, which emphasizes the competence and the status of the ISD as a "Microsoft Gold Partner".



Further information on HELiOS



enable a linking of HELiOS to this system, the ISD Group currently participates in the EADN (**EPLAN Application Developer Network**) program. It is our goal to make a management of EPLAN documents in HELiOS possible and to enable a convenient exchange of article and BOM data.

- Consolidated BOM with unambiguous assigning of electromechanical components such as motors and sensors
- Mechanical change and release processes
- Consistent reuse of mechatronical components
- Visualisation of geometrical and electrotechnical data

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