

Installation Notes

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Getting Started

Important Notes!

Hardware Exchange

If you use local HELiOS licenses and want to exchange any hardware components, modify the partitioning of, or re-install the operating system, you need to revoke the existing license on the HELiOS workstation first, and request, using the new hardware or modified configuration, a new license key (further information on the procedure can be found in the software documentation).

If a revocation is technically possible, but will not be performed, the ISD reserves the right to charge costs in an appropriate amount for the reissuing of the license. If the license will not be revoked, or if such revocation is no longer technically possible, the ISD may request proof that the unrevoked license is no longer utilisable; in case of failure to produce such proof, the ISD reserves the right to refuse the transfer of the license to a new hard-ware.

Discontinuation of HELiOS 32-Bit and HiCAD Viewer 32-Bit

As of HELiOS 2022 (Version 2700.0), a 32-Bit version for HELiOS and the HiCAD Viewer will no longer be available. However, the interface to 32-Bit applications such as Office will still be possible and is not affected by the discontinuation of the 32-Bit installation of HELiOS.

Discontinuation of Oracle

As of HELiOS 2022 (Version 2700.0), Oracle will no longer be officially supported as a database system! Please migrate to a SQL Server as soon as possible.

Discontinuation of Mircosoft Office 2010 interface

From HELiOS 2021 (Version 2600.0) on, we will no longer support Office 2010 in the HELiOS – Office interface.

Discontinuation of old Multi-CAD interfaces for HELiOS 2023

As of HELiOS 2023 (Version 2800.0), the following versions of Multi-CAD interfaces are no longer supported:

- AutoCAD 2019
- AutoCAD Mechanical 2019
- Inventor 2019
- Navisworks 2019

Discontinuation of the ISD.PDM.API

Before carrying out a HELiOS update for an older HiCAD version, please note that from HELiOS 2022 onwards, the previous ISD.PDM.API will be discontinued and replaced by the new API from Helios.Interface. If you use customisations that use functionalities from the previous ISD.PDM.API, you must update the customisations to the new API before carrying out the HELiOS update. If you use customisations that use functionalities from the HICAD version used is at least version 2502.5 or 2601.1 or newer. If you are unsure whether you are using corresponding adaptations, please talk to your administrator or contact the ISD in case of doubt.

Discontinuation of Windows® 7 and Windows® 8

Microsoft® has discontinued support for the Windows® 7 operating system in January 2020. For compatibility reasons, HiCAD 2020 SP2 and HELiOS 2020 SP2 were the last versions of our CAD or PDM system to support Windows© 7. HiCAD 2021 and HELiOS 2021 no longer run under Windows© 7, Windows© 8 and the corresponding server operating systems (Windows Server 2008 R2, Windows Server 2012 and older) are also no longer supported. If an attempt is made to install HiCAD 2021 or HELiOS 2021 on a computer with Windows© 7 or Windows© 8, a message appears.

Mark-up und redlining

The **HiRedLine** tool allows you to add comments or modification suggestions to a HiCAD drawing, without changing the original file.

As of 2023, this tool is only available as part of a HiCAD/HELiOS installation. In case of a standalone installation of the HELiOS Desktop, starting it will no longer be possible.

Transfer HiCAD sheet structure to HELiOS

From HELiOS 2023 onwards, information on the HiCAD sheet structure, which is transferred when saving a model drawing with HELiOS, is used for printing drawings via HELiOS. For inventory data that have not yet been re-saved yet, this information is missing and printing via HELiOS is not possible.

If HiCAD is started with HELiOS after an update installation, you will get a message and you can add the HiCAD sheet structure for inventory data. See also the information in the HELiOS Online Help.

Data compatibility

When performing a HELiOS update, the update start mask shows you the HELiOS version, which needs to match the existing database. If this is not the case, only an error message will appear when you start HELiOS. To update the database schema, use the program HeliosDbUpdate.exe. If the database schema requires an update, you can **no longer access** the database with older HELiOS versions. Therefore, all workstations accessing the database need to be readjusted accordingly at the same time.

Update HELiOS

In the context of HELiOS Update Installations, the last 5 release cycles are supported. As of HELiOS 2023 (Version 280^{*} .*), you can only update installations from 2018 (Version >= 2300.0) and newer. (See also Carrying out the installation.)

PDF preview in **HELiOS** Desktop

Please note that the PDF preview in HELiOS Desktop no longer works with **Acrobat Reader DC** as of **Version 2021.011.20039**.

As an alternative, we recommend Sumatra PDF (64-bit and the non-portable version) for HELiOS from Version 2702.3, 2800.3 and 2801.0. Before you install it, you need to uninstall all PDF Readers. During installation, click on **Options** (bottom left) and choose **Install for all users** and **Let Windows show previews of PDF doc-uments**. You may also need to modify the hel_preview.ini configuration file if Acrobat Reader is explicitly defined there for PDF preview.

If an update to a new HELiOS version is to be avoided, Foxit Reader (up to max. Version 11) can be used.

New Mask Editor in HELiOS 2020

Due to the complete revision of the Mask Editor in HELiOS 2020, the previous mask format has been changed from .MSK to .XML. In addition, mask files are now managed outside the installation directory, resulting in some changes in the system architecture that Administrators must consider:

- The masks of older versions (before V 2500.0) that were previously stored in the SYS directory of the installation are automatically converted to the new XML format in case of an update installation and stored at %Programdata%.
- The new masks at %Programdata% should not be overwritten under any circumstances, as these represent the "delivery status", which will be updated by later update installations. If masks are edited and changed with the Mask Editor, you must store and call them at %Appdata%.

Updating the HELiOS-Inventor interface

For an update of the Inventor interface from an older HELiOS version to HELiOS 2020 (Version 2500) or higher (and the corresponding update of the database schema) the following changes have to be considered:

- 1. The structure identifiers for Inventor parts must be updated.
- 2. The standard part and semi-finished product identifiers are changed to a document-based (instead of article-based) management.

An update installation can only be carried out after an appropriate preparation of the migration.

In case of an update, please contact the Consulting team of the ISD Group. New installations of HELiOS 2020 and the associated database are not affected.

Attribute mappings: Conversion of the default mapping

With HELiOS Major Release 2022 (V. 2700) an adjusted standard attribute mapping is delivered. By converting the mapping for designating component names to configuration-specific attributes, a significant performance increase was achieved.

Existing mappings, which are generally not changed by an update installation, should be updated to the new standard manually. Please refer to the HELiOS Online Help.

Important update notes for attribute mapping in title blocks

Up to HELiOS 2019, the attribute for the title block in AutoCAD was created using the following files:

- heliossac_titleblock.dat,
- helacblock.xml

As of HELiOS 2020 (version 2500.0), the mapping must also be set up manually here.

In case of an update, please contact the Consulting team of the ISD Group.

Important notes for administrators during a HELiOS update installation working with the HELiOS integration for Inventor and AutoCAD!

When updating the database to HELiOS 2019 Service Pack 2 or higher, the old workspace is checked for documents in progress. These are documents with the pen symbol in the respective (old) workspace dialog, or entries of locked documents in the Workspace Manager from HELiOS Desktop (on the right hand side).

Should the check find relevant documents, the following message appears:

The update of the database cannot be performed because there are still locked documents in old local work areas which will not be supported in the future. After this update, only work areas with new administration are supported and automatic migration is not possible. More information can be found here.

HELiOS Data base schema

As existing datasets with non-compliant conditions may cause conflicts during the central update process of the HELiOS delivery database, you should consider the following:

- 1. Do a database backup: You should make sure that a backup of your HELiOS database has been created before the update. This can be done with the HELiOS Database Creator or via your SQL server application. Please contact the ISD hotline if you have any questions or need support for your individual system architecture.
- 2. The log file of the update: If any conflicts occur during the update, they are traced in the log file HeliosDbUpdate.txt (in the system path %appdata%\ISD Software and Systems\HeliosDbUpdate\). Have this file ready if you contact the ISD hotline for troubleshooting and successful updates.

Units for attributes when working with the HiCAD-HELiOS interface

If you work with the HiCAD-HELiOS interface and want to use interface-relevant units for attributes, then you must work with HiCAD 2022 (V 2700) or higher.

Omission of the system files KSTEXT_STDKOP.DLL and TEILHOST_NEXT.EXE

As of HELIOS 2022 (V. 2700), the system file KSTEXT_STDKOP.DLL and the executable file TEILHOST_ NEXT.EXE are omitted. Customer-specific adjustments to your system, in which these files were used, must therefore be adjusted again.

Please contact the Consulting team of the ISD Group.

Operating system

We recommend deactivating local licenses and network licenses before performing an update/upgrade of the operating system (e.g. from Windows 8 to Windows 10), and activating them again after successful update/upgrade of the operating system.

Discontinuation of old figure format (FIG)

The following notes regarding FIG-FGA conversion are unnecessary if HELiOS is used in conjunction with the HELiOS Vault Server.

Since HiCAD 2017 we support FGA as figure format (before that FIG). From HiCAD/HELiOS 2021 or HELiOS 2021 as an update for HiCAD 2019/2020 onwards, we require that all figures stored with HELiOS have been converted to the new FGA format beforehand. To convert existing 2-D FIG files, the tool Converter_FIG_To_FGA.exe is available in the exe directory of the HiCAD installation.

If there are still unconverted FIG files in the HELiOS document database at the time of the database update, you will be informed of the outstanding conversion of these files before the database update. In this case, the conversion must be carried out before or at the latest directly after the update using Converter_FIG_To_FGA.exe.

System Requirements

- HELiOS Database Server
- HELiOS Vault Server
- HELIOS Client
 - Compatibility Matrix for Interfaced Applications (HELiOS)
- HELiOS Internet Server
- HELiOS Spooler
- License Server
- Operation in Virtual Environments
- Further Requirements for Installation

System Requirements for the HELiOS Database Server

The requirements with regard to the hardware primarily depend on the specifications given by the respective RDBMS supplier (Microsoft). Currently, following operating systems are supported:

	HELIOS 2023	HELIOS 2022	HELiOS 2021
Microsoft SQL Server 2022	\checkmark	×	×
Microsoft SQL Server 2019	\checkmark	\checkmark	\checkmark
Microsoft SQL Server 2017	\checkmark	\checkmark	\checkmark
Microsoft SQL Server 2016	√	√	\checkmark
Microsoft SQL Server 2014	√	√	\checkmark
Microsoft SQL Server 2012	√	√	1
Microsoft SQL Server 2008	×	×	×
Microsoft SQL Server 2005	×	×	×

In addition, the following minimum requirements should be guaranteed for the main memory and hard disk:

	HELIOS 2023	HELIOS 2022	HELiOS 2021
Main	Additionally at least 4 GB main	memory.	
memory	With an increasing database size the working memory should be enlarged in order to guarantee optimal performance.		
Hard disk	Additionally at least 10 GB hard disk memory.		
	The actual demand depends on the size of the database.		

Please note:

- The use of virtual servers is essentially possible. Please consider to grant sufficient performance within the virtual environment.
- On the database server, HELiOS data base should be imported beforehand, for example via HELiOS Database Creator, so that clients can connect with the database.
- SQL Server Standard vs. SQL Server Express
 As of late, the productive use of SQL Server Express is possible. Please note that SQL Express has limited storage size (10 GB) for each data base and provides weaker performance than SQL Standard, especially on powerful hardware. If well-equipped hardware is used for the server (multiple processors and plenty of RAM), the SQL server thwarts the performance again. On regular desktop hardware the difference between SQL Express and SQL Standard is smaller due to the accordance of express limits and system.

System Requirements for the HELiOS Vault Server

The minimum requirements are as follows:

	HELIOS 2023	HELIOS 2022	HELIOS 2021
Processor (CPU)	64 Bit processor		
Main memory	Additionally at least 1 GB main memory		
Hard disk	The required hard disk space depends on the volume of arising data use (files). A safety mar- gin should be considered.		
Operating sys- tem	Microsoft Windows 10 or Microsoft Windows Server 2016 or higher		

Please note:

- If you work with only interfaces to HiCAD and/or Microsoft Office, the use of HELiOS Vault Servers is optional. Other interfaces must be used in conjunction with the HELiOS Vault Server.
- The needed hard disk space can also be distributed on multiple volumes.
- We recommend the use of RAIDs in order to ensure failsafe performance.

System Requirements for the HELiOS Client

The minimum requirements for the HELiOS Client are as follows:

	HELiOS 2023	HELIOS 2022	HELiOS 2021
Processor (CPU)	64 Bit processor		
Main memory	Additionally at least 2 GB main memory		
Hard disk	Additionally at least 2 GB free hard disk memory		
Operating system	Microsoft Windows 10 or Microsoft Windows Server 2016 or higher		

The interfaces that are available for the HELiOS Clientare listed in a Compatibility Matrix.

Dease note:

- When interfacing the HELiOS Desktop with other applications, for instance with a CAD system or Office product, please consider the minimum requirements of each system manufacturer.
- If you want to use an integrated viewer, the hardware requirements of respective viewer manufacturer must be considered.
- Before you can use the HELiOS Client you require a HELiOS Database Server as well as an appropriately configurated ODBC connection.
 Documents (in .pdf format) describing the installation procedure for the database system and the import and export of the database can be found here.

Compatibility Matrix for Interfaced Applications (HELiOS)

Below you find a list of possible interfaces for the HELiOS Client:

	HELIOS 2023	HELIOS 2022	HELIOS 2021
Operating system			
Windows 11, 64 Bit	\checkmark	🗸 (as of SP1)	×
Windows 10, 64 Bit	✓	✓	✓
Windows 8.1	×	×	×
Windows 8	×	×	×
Windows 7	×	×	×
Server Operating system			
Windows Server 2022	✓	🗸 (as of SP1)	×
Windows Server 2019	✓	√	✓
Windows Server 2016	√	√	✓
CAD system			

	HELIOS 2023	HELiOS 2022	HELiOS 2021
HiCAD 2023	\checkmark	×	×
HiCAD 2022	✓	\checkmark	×
HiCAD 2021	✓	\checkmark	√
HiCAD 2020	×	\checkmark	\checkmark
HiCAD 2019	×	×	\checkmark
HiCAD 2018 or older	×	×	×
AutoCAD 2024	🗸 (as of SP2, Patch 1)	🗸 (as of SP2, Patch 3)	×
AutoCAD 2023	\checkmark	🗸 (as of SP2, Patch 1)	🗸 (as of SP1, Patch 4)
AutoCAD 2022	\checkmark	\checkmark	🗸 (as of SP1)
AutoCAD 2021	\checkmark	✓	✓
AutoCAD 2020	1	✓	✓
AutoCAD 2019	×	✓	√
AutoCAD 2018	×	×	√
AutoCAD 2017 or older	×	×	×
AutoCAD Mechanical 2024	 (as of SP2, Patch 1) 	 (as of SP2, Patch 3) 	×
AutoCAD Mechanical 2023	✓	 (as of SP2, Patch 1) 	 (as of SP1, Patch 4)
AutoCAD Mechanical 2022	✓	√	 (as of SP1)
AutoCAD Mechanical 2021	✓	✓	~
AutoCAD Mechanical 2020	✓	✓	~
AutoCAD Mechanical 2019	×	✓	1
AutoCAD Mechanical 2018	×	×	✓
Inventor 2024			×
Inventor 2023	(as of SP2, Patch 1)	(as of SP2, Patch 3)	
Inventor 2022	 ✓ ✓ 	 (as of SP2, Patch 1) 	(as of SP1, Patch 4)(as of SP1)

	HELIOS 2023	HELIOS 2022	HELIOS 2021
🗼 Important:			
	A		
*As of Inventor version 202 reason for this is the bug in		e used from HELiOS Version 2	2502.3 or 2600.1. The
Inventor 2021*	\checkmark	\checkmark	√
Inventor 2020	√	✓	✓
Inventor 2019	×	√	✓
Inventor 2018	×	×	✓
Inventor 2017 or older	×	×	×
Navisworks 2024	🗸 (as of SP2, Patch 1)	🗸 (as of SP2, Patch 3)	×
Navisworks 2023	\checkmark	×	×
Navisworks 2022	✓	✓	🗸 (as of SP1)
Navisworks 2021	√	√	✓
Navisworks 2020	\checkmark	\checkmark	√
Navisworks 2019	×	\checkmark	√
Navisworks 2018	×	×	✓
Navisworks 2017 or older	×	×	×
CAE-SYSTEM			
EPLAN Electric P8 2023	🗸 (as of Patch 3)	×	×
EPLAN Electric P8 2022	\checkmark	🗸 (as of SP2, Patch 1)	 (as of SP1, Patch 5)
EPLAN Electric P8 2.9	\checkmark	\checkmark	✓
EPLAN Electric P8 2.8	✓	✓	\checkmark
EPLAN Electric P8 2.7	✓	✓	√
EPLAN Electric P8 2.6	✓	✓	✓
EPLAN Electric P8 2.5	\checkmark	\checkmark	\checkmark
EPLAN Electric P8 2.4	✓	✓	✓
Zuken E3 2021	1	(as of SP1)	×
Zuken E3 2020	 ✓ 	(as of SP1)	X

	HELiOS 2023	HELIOS 2022	HELiOS 2021
Zuken E3 2019	\checkmark	\checkmark	\checkmark
OFFICE			
Office 2021	\checkmark	🗸 (as of SP1)	×
Office 2019	\checkmark	\checkmark	√
Office 2016	✓	\checkmark	✓
Office 2013	✓	\checkmark	✓
Office 2010 or older	×	×	×

The X symbol does not always mean that the respective product is not compatible. It can also mean that the interactions between this product and the HELiOS Client have not been sufficiently tested by the ISD yet.

System Requirements for the HELiOS Internet Server

For the HELiOS Internet Server, similar system and hardware requirements as for the HELiOS Desktop apply:

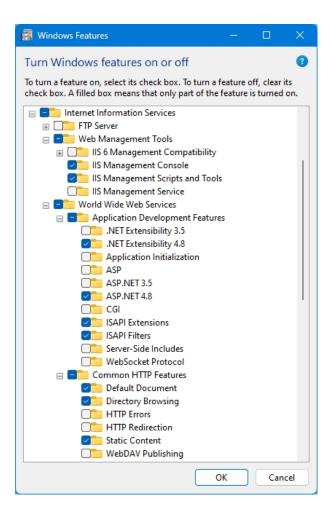
	HELiOS 2023
Processor (CPU)	64 Bit processor
Main memory	Additionally at least 4 GB main memory
Hard disk	Additionally at least 2 GB free hard disk memory
Operating sys- tem	Microsoft Windows 10 or Microsoft Windows Server 2016 or higher
Others	As a prerequisite for the installation of a HELiOS Internet Server, a HELiOS Client must be installed beforehand.
	Operation via SSL (https) requires valid certificates for the corresponding web pages of the HELiOS Internet Server.

The Microsoft Internet Information Server (IIS), at least version 10.0 with ASP.NET 4.8 support, is also required. This is an integral part of Windows, but must be installed/activated separately before installing the HELiOS Internet Server.

Proceed as follows:

Choose Control Panel > Programs and Features and, at the top left of the window, select Turn Windows features on or off.

In the Windows Features dialogue window, blow Internet Information Services, expand the areas Web Management Tools, World Wide Web Services > Application Development Features and Common HTTP Features, and activate the checkboxes as shown below:



D Please note:

- Besides IIS, HELiOS Client (HELiOS Desktop) must be installed.
- IIS URL Rewrite from https://www.iis.net/downloads/microsoft/url-rewrite must be installed.
- For the operation of the HELiOS Internet Server, a (sub)domain including a valid SSL certificate and port forwardings are required.
- To operate the HELiOS Internet Server, a number of website configurations in the Internet Information Server (IIS) are required. Parallel operation with other websites/products on the IIS is not recommended.

System Requirements for the HELiOS Spooler

Generally, the HELiOS Spooler is a 64 Bit application. The minimum requirements for the HELiOS Spooler are as follows:

	HELIOS 2023	HELIOS 2022	HELiOS 2021
Processor (CPU)	64 Bit processor		
Main memory	Additionally at least 2 GB main	memory.	
	The main memory should be dimensioned at least as large as the main memory of the client systems used. This ensures that all data to be processed by the HELiOS Spooler (which is transmitted from the client systems to the HELiOS Spooler) can be processed successfully.		
Hard disk	Additionally at least 4 GB free hard disk memory		
Operating sys- tem	Microsoft Windows 10 or Microsoft Windows Server 2016 or higher		

Dease note:

- The HELiOS Spooler requires corresponding locally installed CAD, E-Tech or Office applications to execute the plot or conversion jobs. Please consider that you need appropriate licenses for the operation of these applications and that the hardware requirements of the respective system provider must be taken into account accordingly.
- The applications used by the HELiOS Spooler to process print and conversion jobs must be exclusively available to the Spooler and must not be used by other applications or HELiOS installations used simultaneously. Otherwise, job processing may be cancelled.
- In addition to the client operating systems for Windows, the above-mentioned server operating systems can also be used. Whether a server operating system must be used depends on the license conditions for the Microsoft operating system you are using. The number of permitted simultaneous device connections is decisive here. Windows 10 allows 20 simultaneous logins to the operating system. In this case, you must ensure that, in addition to the existing logins, there are sufficient free logins left that can be used by the respective print clients of the client computers.

System Requirements for the License Server

The minimum requirement for running a license server is as follows:

	HELIOS 2023	HELIOS 2022	HELiOS 2021
Processor (CPU)	X86 or AMD64 Architecture	2.	
	Recommended: 2 GHz Pro	cessor	
Main memory	Additionally at least 1 GB m	nain memory	
Hard disk	Additionally at least 2 GB fr	ee hard disk memory	
Operating system	Microsoft Windows 10 or M	icrosoft Windows Server 201	6 or higher

We use the Software Sentinel RMS© from gemalto© for licensing. The license server is in principal a 32 Bit application.

Please note:

- The license server need not be installed on a separate server or server operating system.
- A static IP address is required for the correct operation of a license server. When using a virtual server, a static MAC address is required.

The use of a cloud server is only possible if changes to the underlying hardware can be excluded by the cloud provider. This also includes that the provider does not move the virtual server to another physical machine.

- The license server must not be installed on the same computer with HELiOS Desktop, because both products share system information with regards to the licensing.
- Internet access is needed for the license server due to activation and deactivation.
- A Windows Server Core installation is not supported.

Operation in Virtual Environments

HELiOS Client

Generally, the HELiOS Client can be operated on Virtual Machines (VM). If you use integrated viewers, the hardware requirements of the respective viewer manufacturer must be considered.

The HELiOS Client can also be used as a terminal application.

HELiOS Spooler

Generally, the HELiOS Spooler can be operated on Virtual Machines (VM). However, limitations may occur with regard to simultaneously installed CAD system, electrical engineering software or Office applications.

With regard to graphics functionality, performance and integration of printers, too, limitations may occur in virtual environments.

License Server

The license management system based on Sentinel RMS© by the company gemalto© can, generally, also be used in virtual environments.

The use of a cloud server is only possible if changes to the underlying hardware can be excluded by the cloud provider. This also includes that the provider does not move the virtual server to another physical machine.

Network licenses on Virtual Machines (VM)

If you want to use/activate/deactivate the network licenses on virtual machines, please observe the following points:

- A static MAC address is required
- A static IP address is recommended or required when using Commuter Licenses
- Before copying or changing a virtual machine, deactivate the network licenses, since the UUID (Universal Unique IDentifier) of the VM will change due to the copying process, and cannot be deactivated afterwards any more. This also applies to the starting of the VM on a different host.

Further Requirements for Installation

- **Microsoft** .NET Framework and Visual C++ Runtime Libraries need to be installed on the computer before HELiOS can be used; these packages will be installed as part of the HELiOS installation if required.
- To be able to work with HELiOS, a database system must be available that has been prepared for HELiOS. For this you require
 - A Microsoft SQL Database Management system on your Server,
 - A HELiOS database imported with the HELiOS Database Creator and
 - An ODBC connection on the Clients.

Documents (in .pdf format) describing the installation procedure for the database system and the import and export of the database can be found here.

Installation

The installation medium (e.g. ISO file from the Download area) contains the installation files for:

- HELiOS Database Creator (required when creating a HELiOS database for the first time, and for importing or exporting an existing database)
- HELiOS Vault Server
- HELiOS Client (HELiOS Desktop, Standalone)
- HELiOS Help
- HELiOS Internet Server
- HELiOS Spooler
- HELiOS Server Monitor
- HELiOS Task Starter
- HELiOS Article Synchronization
- Postscript printer driver (required for the output of multiple views in a PDF file)

Important note on the scope of installed modules!

The scope of modules that will be installed depends on the product that was purchased. This means that not all modules described in the installation manual may be included in your software version.

It is mandatory for the installation of HiCAD to start the **setup.exe** file from the root directory of the ISO file; only in this way it is ensured that the version will recognize the operating system, and that the matching HELiOS version will be installed.

D Please note:

• You can conveniently download the current HELiOS version in the Download Area.

After running the **setup.exe** file, the following dialogue will be displayed:

Language English Installation Documents HELIOS - Installation Notes Program Help The installation of the Help files is only required if there is no Internet connection.	Client Installations HELiOS Desktop HELiOS Update for HiCAD 2021 HELiOS Update for HiCAD 2022 HELiOS Update for HiCAD 2023 PostScript Printer	
Installation Documents HELiOS - Installation Notes Program Help The installation of the Help files is only	HELIOS Update for HiCAD 2021 HELIOS Update for HiCAD 2022 HELIOS Update for HiCAD 2023	
Program Help The installation of the Help files is only	HELiOS Update for HiCAD 2023	
The installation of the Help files is only		
	PostScript Printer	
in the second of the internet connection.	r ostocnipt r miter	
HELiOS Help	Server Installations	
	HELiOS Vault-Server	
Administrator Tools	HELIOS Internet-Server	
This component may only be installed on the License Server!		
License Server	HELiOS Spooler	
HELiOS Database Creator	HELiOS Article Synchronization	
In order to read the installation instructions, the Adobe® Reade	er® is required. THE WORLD OF CAD AND POM SOLUTIONS -	
	Administrator Tools This component may only be installed on the License Server! License Server HELiOS Database Creator	HELiOS Vault-Server Administrator Tools HELiOS Internet-Server This component may only be installed on the License Server! License Server HELiOS Spooler HELiOS Database Creator HELiOS Article Synchronization In order to read the installation instructions, the Adobe® Reader® is required.

Leave this selection mask open, so that you can select the desired components one after the other.

Discontinuation of Windows® 7 and Windows® 8

Microsoft® has discontinued support for the Windows® 7 operating system in January 2020. For compatibility reasons, HiCAD 2020 SP2 and HELiOS 2020 SP2 were the last versions of our CAD or PDM system to support Windows© 7. HiCAD 2021 and HELiOS 2021 no longer run under Windows© 7, Windows© 8 and the corresponding server operating systems (Windows Server 2008 R2, Windows Server 2012 and older) are also no longer supported. If an attempt is made to install HiCAD 2021 or HELiOS 2021 on a computer with Windows© 7 or Windows© 8, a message appears.

😵 Not support	ed operating system	×
	Software of the ISD Software und Systeme GmbH is not supported on this operating system and can therefore not be installed.	ł
<u> </u>	Information about supported operating systems can be found at the following link:	
	<u>System requirements</u>	
	Cancel	

Installing the HELiOS Database Creator

The HELiOS PDM modules (Document management, Part Management, Workflow etc.) are based on a relational database. Before you put HELiOS into operation, the Microsoft SQL Server database administration system needs to be installed on the server, a HELiOS database needs to be imported and a ODBC connection needs to be set up on the clients.

When you set up a HELiOS database for the first time, the **HELiOS Database Creator** needs to be installed and executed on the database server first. The database and table structures will then be created, and filled with data records of the HELiOS standard database.

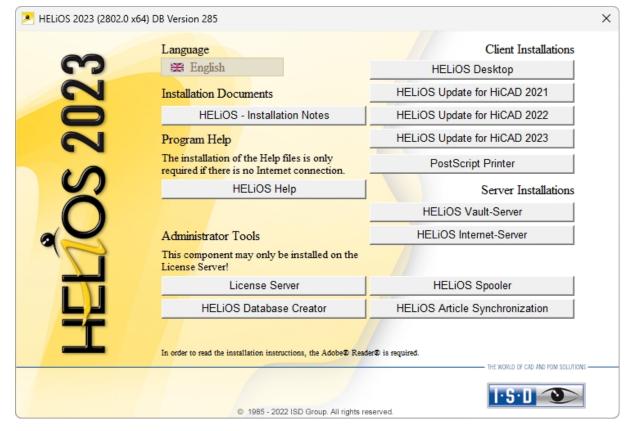
An empty HELiOS standard database is located in the Database directory on the installation medium.



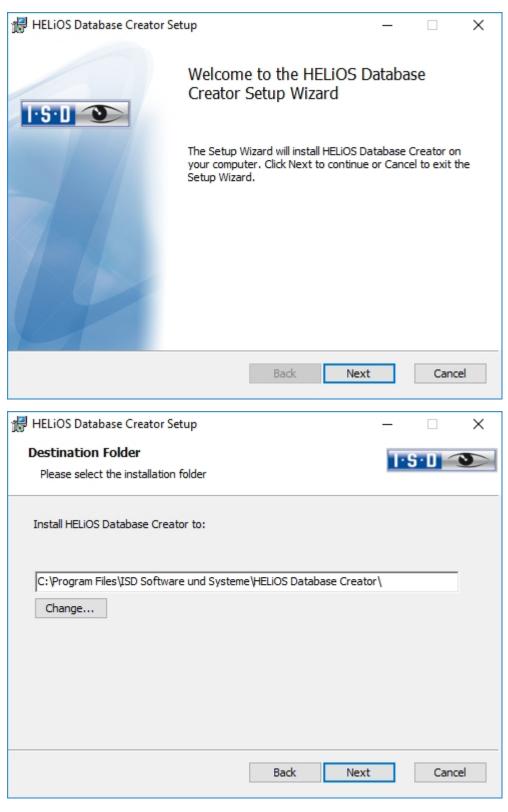
Further information about the correct procedure for the execution of the HELiOS Database Creator, as well as the previous and subsequent steps required for the setting up of a database server can be found in the user guide for the installation of the **Microsoft SQL Server**. You can find this document here.

Start Windows to install the HELiOS Database Creator. If Windows has already been started, close all other applications and start the installation wizard.

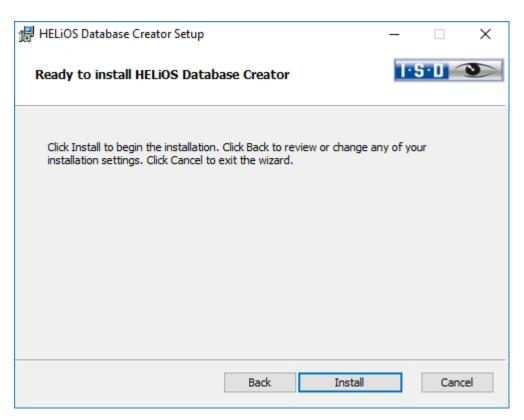
Leave this selection mask open, so that you can select the desired components one after the other.



Click on the HELiOS Database Creator button.



Select an installation directory for the HELiOS Database Creator and click Next.



Click Install to start the installation.

🖟 HELiOS Database Creator Se	tup			Х
	Completed the HELIOS D Setup Wizard Click the Finish button to exit the Set			tor
	Back Finis	h	Canc	el

Click Finish to complete the installation of the HELiOS Database Creator. If desired, you can now install further components via the selection mask.

Installing the HELiOS Vault Server

Please start Windows to install the HELiOS Vault Server. If Windows is already open, end all other applications and start the Installation Wizard.

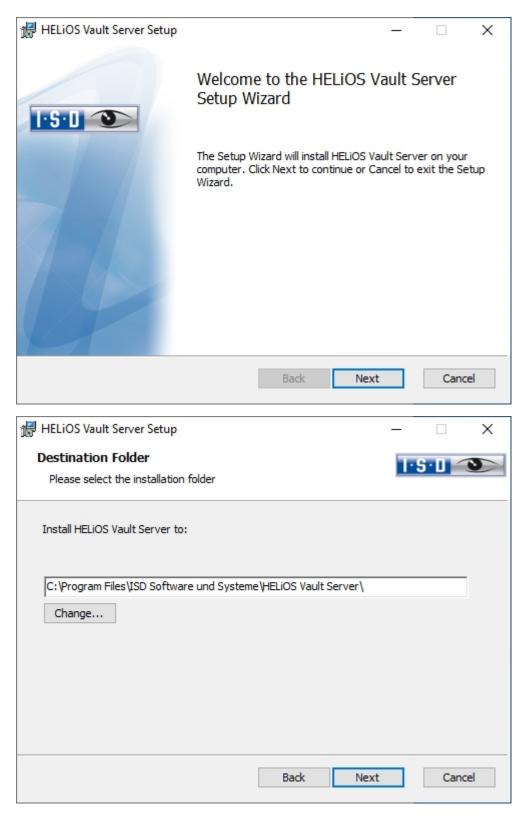
This screen remains open so that you can install the required components one after another.

Please note:

In rare cases, a manually installed older version of the Vault Server may be found which is not touched (updated) by the setup for safety reasons. In case of an error message, please contact our hotline staff. E-Mail: support@isdgroup.com

	Language	Client Installations
3	😂 English	HELiOS Desktop
07	Installation Documents	HELiOS Update for HiCAD 2021
	HELiOS - Installation Notes	HELiOS Update for HiCAD 2022
	Program Help	HELiOS Update for HiCAD 2023
~	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer
	HELiOS Help	Server Installations
\cap		HELiOS Vault-Server
$\mathbf{\nabla}$	Administrator Tools	HELIOS Internet-Server
	This component may only be installed on the License Server!	
	License Server	HELiOS Spooler
	HELiOS Database Creator	HELiOS Article Synchronization
1	In order to read the installation instructions, the Adobe® Reader	© is required. THE WORLD OF CAD AND POM SOLUT

Click on the Vault Server button.



Enter the installation directory for the Vault Server. If the installation wizard finds an already installed version, it will be offered to you for updating.

HELiOS Vault Server	Setup					×
Configuration HELiOS Vault Server	Settings				I-S-D_	3
Server name	ISDVAULT					
Server port	9000					
		Bac	k	Next	Can	icel

Give the Vault Server a name, e.g. the name of your company, plus the location of your company. This name will be shown, for example, when you connect to the Vault Server from the Vault Client.

🖟 HELiOS Vault Server Setu	ıp	_		×
Configuration Server directories		1·S	6·0 _	3
Document directory	C:\HELiOS Vault ISDVAULT\Documents\			
Management directory	C:\HELiOS Vault ISDVAULT\Management\			
Log directory	C: \HELiOS Vault ISDVAULT\Logfiles\			
Log file name	ISDVAULT.log			
	Back Next		Can	ncel

The Vault Server renames all documents that are managed in the database (e.g. SZA, DOC, XLS, ...) to *.VDF. These VDF files are saved to the Document directory.

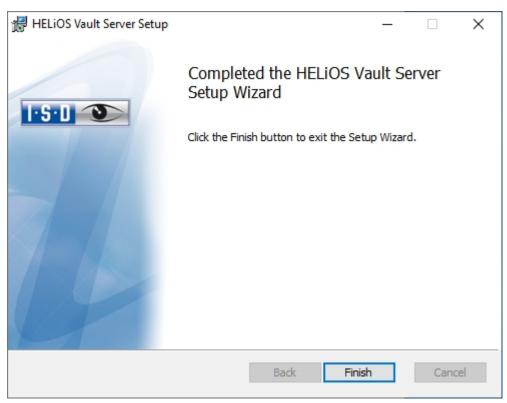
The files stored in the **Management directory** contain the assignments of the VDF file names to the "original file names".

Log files (*.LOG) are saved to the Log directory. They record each access to the VDF files.

Enter the name of the log file in the **Log file name** field. The name of the **Vault Server** would also be possible here. If the log file exceeds a certain length, it will be cut down and suffixed by the current date.

🖟 HELiOS Vault Server Setup			_		\times
Ready to install HELiOS Vault	Server		TS	•0 <	3
Click Install to begin the installation. installation settings. Click Cancel to	Click Back to re exit the wizard.	view or change ar	ıy of you	r	
	Back	Install		Cance	el

Click Install.



Click **Finish** to complete the installation of the Vault Server. You can now install further components from the selection mask.

Installing the HELiOS Client

To install HELiOS, start Windows. If Windows has already been started, close all other applications and start the installation wizard.

Select a Language for your version.

PHELIOS 2023 (2802.0 x64)	DB Version 285		×
S	Language	Client Installations HELiOS Desktop	
N	Installation Documents	HELIOS Update for HiCAD 2021	
0	HELiOS - Installation Notes	HELiOS Update for HiCAD 2022	
	Program Help	HELiOS Update for HiCAD 2023	
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer	
	HELiOS Help	Server Installations	
\cap		HELiOS Vault-Server	
	Administrator Tools	HELiOS Internet-Server	
	This component may only be installed on the License Server!		
	License Server	HELiOS Spooler	
	HELiOS Database Creator	HELiOS Article Synchronization	
Ĩ	In order to read the installation instructions, the Adobe® Reade	r® is required.	
	© 1985 - 2022 ISD Group. All rights res	served.	

Click on the **HELiOS Desktop** button to start the installation.

Before using HELiOS, **Microsoft**.**NET Framework** and the **Visual** C++ Runtime Libraries must have been installed on the computer; these packages will be installed as part of the installation if required.

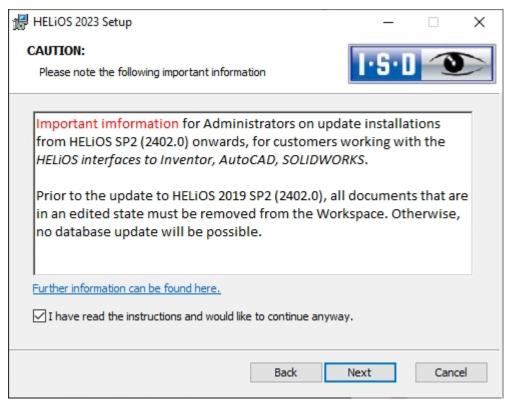


Please read the Installation Notes and the Licence Agreement carefully.

🖟 HELiOS 2023 Setup		_		×
Destination Folder Please select the installation folder		I-S-	1	
Install HELiOS 2023 to:				
C:\Program Files\ISD Software und System Change	≥\HELiOS\			
	Back	Next	Cano	el

Select an installation directory. If the installation wizard finds an already installed version, it will be offered to you for updating.

In accordance with the current Microsoft guidelines, the HELiOS documents will be saved to C:\User-s\Public\Documents\ISD Software und Systeme\ in case of a new installation. Only the Administrator has write permissions for the installation directory (C:\ProgramFiles\..). If you work on several workstations without a Vault Server, you need to enter on each workstation the path of the document directory into the system file FILEGRUP.DAT. This means that the default path needs to be changed accordingly in all corresponding places of the FILEGRUP.DAT. The directory should be a shared network directory to which all Clients have access.



Please read these important notes on update installations for Inventor and AutoCAD carefully and activate the checkbox \blacksquare . Further information can be found here.

HELiOS 2023 Setup —	×
License Management	
License Notes and Settings	9
Notes on Hardware Exchange	^
If you use local licenses and want to exchange an hardware components, modify the partitioning of, re-install the operating system, you need to revo the existing license on the workstation first, an request, using the new hardware or modified configuration, a new license key (further information on the procedure can be found in the	or
software documentation).	~
☑ I accept the Notes on License Management	
Back Next	Cancel

Please read the Notes on Hardware Exchange carefully.

Hardware Exchange

If you use local HELiOS licenses and want to exchange any hardware components, modify the partitioning of, or re-install the operating system, you need to revoke the existing license on the HELiOS workstation first, and request, using the new hardware or modified configuration, a new license key (further information on the procedure can be found in the software documentation).

If a revocation is technically possible, but will not be performed, the ISD reserves the right to charge costs in an appropriate amount for the reissuing of the license. If the license will not be revoked, or if such revocation is no longer technically possible, the ISD may request proof that the unrevoked license is no longer utilisable; in case of failure to produce such proof, the ISD reserves the right to refuse the transfer of the license to a new hardware.

Accept the notes to continue with the installation.

뒍 HELiOS 2023 Setup			×
Ready to install HELiOS 2023	I.S.	1	
Click Install to begin the installation. Click Back to review or cha installation settings. Click Cancel to exit the wizard.	nge any of y	our	
Extended settings			
Back Ins	tall	Can	cel

You can now start with the installation or modify the **Extended Settings** for HELiOS.

Extended settings − □			- X
HELIOS	HELiOS Interfaces	General	
	data source	HeliosBauteil	
User		hicad	
Password		•••••	
Use	Vault Server	Address Port 9000	
SmartSearch-Server		Activate	
omarcov		Configuration	
		comgulation	
Use Use	Spooler	Server	
	Application Server	Address Port	
	, pp. conorr o circi		
Saving of configuration files Use local (computer-specific) directory Use central directory for configuration data		i	
Configuration file			
		OK Save Cancel	

In case of a new installation you can specify an arbitrary name for the system data source. In case of an update, the existing data source will be offered. User and Password will be identical with the ODBC login.

If you use a Vault Server, activate the **Vault Server** checkbox. Enter the name of the Server in the **Address** input field, and the Server Port of the Vault Server in the **Port** input field. You already entered both during the installation of the Vault Server.

If you have not installed the Vault Server yet, you can do this now: Choose HELiOS Options > Database > General >

Vault Server and specify the connection. For activation you must then restart the HELiOS Desktop.

If you want to process your print jobs via the Plotmanagement of the ISD, you need to install a **Print Client** on each workstation. Activate **Use Spooler**. In the Server field, enter the name of the computer on which you install the Spooler. The Spooler collects the print jobs and processes them according to your settings.

Individual settings of HELiOS can be distributed to other users or workstations. To do this, create a ZIP file in HELiOS at **View** > **Settings** > **Export**.

During installation, if the option **Use central directory for configuration data (across computers)** is activated, you can save the configurations of the HELiOS Desktop to a central computer and select and import them at **Configuration file**.

🕼 Extended settings		_	Х
HELIOS HELIOS Interfaces	General		
 CAD AutoCAD[®] 2020 Inventor[®] 2020 Inventor[®] 2020 Navisworks[®] Microsoft Office[®] Excel 2013 Outlook 2013 PowerPoint 2013 Vord 2013 Word 2013 Others EPLAN[®] 2.9.4 Zuken E3[®] 2019 	Not installed		
✓ Use 32Bit Report Manag	ger (only needed for old BOM templat	es)	
	OK Save Cancel		

The availability of interfaces with HELiOS depends on the programs that are installed on your computer. You can only interface 64-Bit versions to HELiOS 64-Bit versions. An exception is the MS Office Interface, where you can link a 32-Bit Office to a 64-Bit HELiOS. Please note however that an additional, special ODBC connection will be required for old BOMs. In such cases, please contact the ISD Consulting team.

Multiple selections of HELiOS Interfaces are also possible. The HELiOS functions will be integrated in the programs that are linked to HELiOS.

Please take a look at the Compatibility Matrix.to check which interfaces to external software products are supported by HELiOS.

When installing the CAD interface (AutoCAD, Inventor) the specific CAD configuration will be considered. The only thing you need to do is to copy the drawing frame template files from the corresponding ...\templates\ subdirectory.

The installation automatically executes the configuration file MultiCAD.csv with the **HeliosClientConfig.exe** tool. If you work with your own .csv file, you can execute it subsequently: Start the **HeliosClientConfig.exe** tool from the \exe\

directory of your HELiOS installation, click the button to select the path of the file and confirm with **OK**.

Interfaces with foreign systems can also be added via the Windows Control Panel. Select **Start > Control Panel > Pro**grams and Features, activate **HELiOS**, then right-click and select **Change**. This starts the installation of HELiOS, enabling you to select further interfaces with foreign software products on the **HELiOS Interfaces** tab.

Further information, e.g. how to activate specific interfaces in the foreign software, can be found in the HELiOS Help.

D Please note:

- A prerequisite for the interface with a foreign software is that his software must be installed on the same system.
- An interface between a 32-Bit software and a 64-Bit version of HELiOS is not possible. MS Office is an exception. Here it is basically possible to interface a 32-Bit Office with HELiOS (64-Bit).
- For EPLAN you also require the Article Synchronization Service running separately on the system. You will find the corresponding button in the HELiOS installation mask. For the configuration of the HELiOS-EPLAN interface please contact the ISD Consulting team.
- If you have installed AutoCAD and AutoCAD Mechanical, both will be considered for the interface.

Extended settings			_		\times	
HELIOS HELIOS Inter	aces General					
Installation directory C:\Program Files\ISD Software und Systeme\HELiOS\ Update-Installation						
 Activate license administration tools Activate ISD Update Service 						
Create context m	enu entry in Windows Ex	piorer for saving	nies in	TELIUS.		
	OK Save	Cancel				

The Activate license administration tools checkbox must be activated for the management of server licenses.

During the installation, you decide to search for a hotfix on the ISD Webserver when starting HELiOS by activating the checkbox **Activate ISD Update Service**.

If you want the function **Save to HELiOS** to appear in the context menu of Windows Explorer, activate the checkbox **Create context menu entry in Windows Explorer for saving files in HELiOS**.

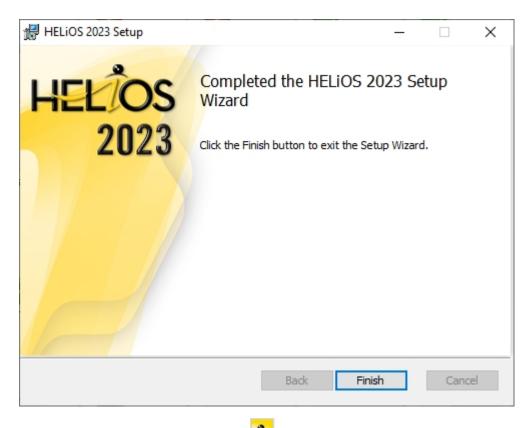
Click **Save** to save the **Extended Settings** to an **.ini file**. If you place the .ini file in the installation directory when installing server licenses, the settings will be applied.

Close the Extended settings dialogue with OK.

援 HELiOS 2023 Setup	· · · · · · · · · · · · · · · · · · ·		
Ready to install HELiOS 2023	I·S·D	0	
Click Install to begin the installation. Click Back to review or cha installation settings. Click Cancel to exit the wizard.	nge any of your		
Extended settings			
Back Ins	tall	Cancel	

Click Install.

ø	HELiOS 2023 Setup			Х
	Installing HELiOS 2023	1.2.]	
	Please wait while the Setup Wizard installs HELiOS 2023.			
	Status:			
	Back	Next	Can	cel



After successful installation, you will find the **HELIOS** Above the Desktop of your computer for program start.

Support with the Office Interface

Starting the Office interface with administrator rights

Note that the interface between HELiOS and an Office application does not work if the corresponding Office application has been started via the Windows option **Run as administrator**, but HELiOS has been started as a normal user. This is because Windows prevents communication between normally running applications and applications started as administrators.

If the AddIn starts but is constantly deactivated again

In this case, there are probably contradictory entries in the registry. If the HELiOS AddIn is blocked by Office, Office stores the corresponding information in the registry. This can also cause you to have different behaviour depending on whether you start Office as an admin or normal user. Then delete the following registry keys:

- HKEY_CURRENT_USER\Software\Microsoft\Office\Outlook\Addins\HelOutlookAddIn4 (complete folder including subentries)
- HKEY_CURRENT_USER\Software\Microsoft\Office\Word\Addins\HelWordAddIn4 (complete folder including subentries)
- HKEY_CURRENT_USER\Software\Microsoft\Office\Excel\Addins\HelExcelAddIn4 (complete folder including subentries)
- HKEY_CURRENT_USER\Software\Microsoft\Office\PowerPoint\Addins\HelPowerPointAddIn4 (complete folder including subentries)

 HKEY_CURRENT_USER\Software\Microsoft\Office\Outlook\FormRegions\IPM. Note the entry HelOutlookAddIn4.HelMailFormRegion

Then start HeliosCouplings.exe as administrator and link the interface again.

🌲 Important:

Changes to the registry should only be carried out by an administrator. In any case, the original files should be saved before making any changes!

Installing the HELiOS Help

The Online Help is available locally (status of the date of installation DVD creation) and on the Internet (regularly updated) at www.help.isdgroup.com. Both versions of the Help can be directly launched from HELiOS. Please note that corresponding login data are required to access the Internet version of the Help.

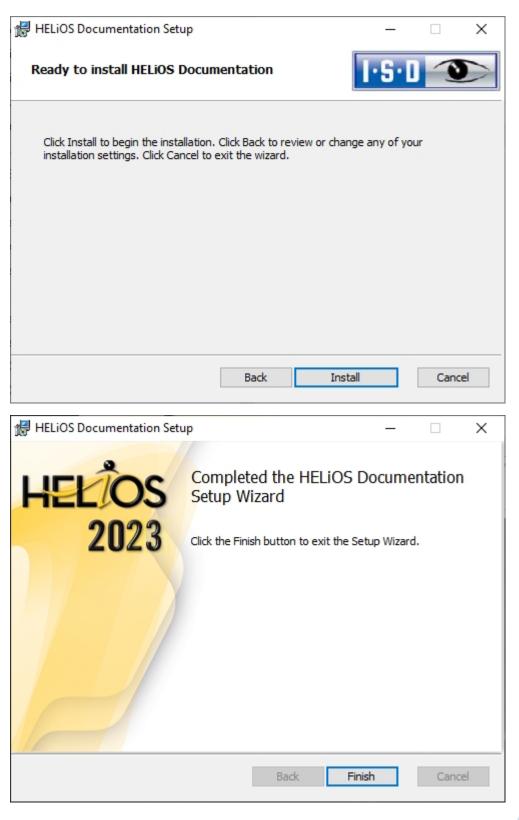
Start Windows to install the Help. If Windows has already been opened, close all other applications and start the installation wizard. Leave the selection mask of the installation wizard open, so that you can select the desired components one after the other.

PELIOS 2023 (2802.0 x64)	DB Version 285		×
S	Language 🗮 English	Client Installations HELiOS Desktop	
02	Installation Documents	HELiOS Update for HiCAD 2021	
0	HELiOS - Installation Notes	HELiOS Update for HiCAD 2022	
	Program Help	HELiOS Update for HiCAD 2023	
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer	
	HELiOS Help	Server Installations	
\cap		HELiOS Vault-Server	
	Administrator Tools	HELiOS Internet-Server	
	This component may only be installed on the License Server!		
	License Server	HELiOS Spooler	
	HELiOS Database Creator	HELiOS Article Synchronization	
1	In order to read the installation instructions, the Adobe® Read	er® is required.	
	© 1985 - 2022 ISD Group. All rights re		

Click on the **HELiOS Help** button.



Enter the installation directory for HELiOS.



After successful installation, the Help can be found in the program folder and can be called from HELiOS @ .

Installing the HELiOS Internet Servers

For the **HELiOS Internet Server** you require the **Microsoft Internet Information Services**. In Windows this is included, but requires a separate installation/activation that needs to be performed before installing the HELiOS Internet Server.

To install the HELiOS Internet Server, close all other applications and start the installation wizard.

Leave the selection mask of the installation wizard open, so that you can select the desired components one after the other.

P HELiOS 2023 (2802.0 x64)	DB Version 285		×
S	Language English	Client Installations HELiOS Desktop	
N	Installation Documents	HELiOS Update for HiCAD 2021	
0	HELiOS - Installation Notes	HELIOS Update for HiCAD 2022	
	Program Help	HELIOS Update for HiCAD 2023	
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer	
	HELiOS Help	Server Installations	
\cap		HELiOS Vault-Server	
	Administrator Tools	HELiOS Internet-Server	
1	This component may only be installed on the License Server!		
	License Server	HELiOS Spooler	
	HELiOS Database Creator	HELiOS Article Synchronization	
	In order to read the installation instructions, the Adobe® Reade		
	© 1985 - 2022 ISD Group. All rights res	served.	

Click on the HELiOS Internet Server button.



Enter the installation directory for the software. If the installation wizard finds an already installed version, it will be offered to you for updating.

🖟 HELiOS Interr	net Server Setup			×
Server settin Settings for t	gs he Internet Server			
Server addresses	s			
Host Name	his.your-companyname	.de	SSL Certificate	HIS ~
Internet Server	Port 443			
WebAPI Port	30000			
API Server user	account			
User	DE071\07171	Password	•••••	
E-mail connection	-	1		
SMTP Server	smtpserver.localhost	Port	25 SSL	
SMTP password	•••••	Sender	noreply@localhost	
			Back	Next Cancel

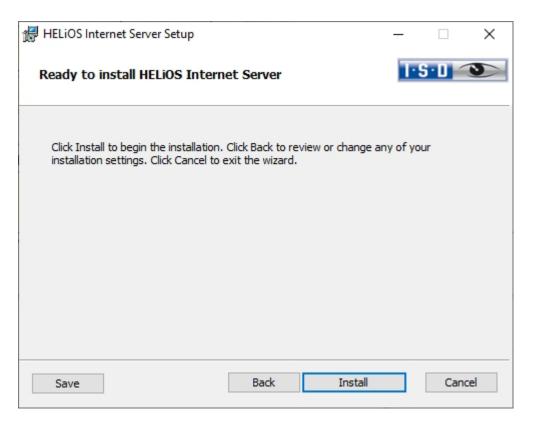
Under **Server addresses**, enter the internet address for the HELiOS internet server (e.g. his.isdgroup.com /) that can be reached from outside next to **Host Name**, and next to it select an SSL certificate for https that matches the internet address in the pull-down menu.

The corresponding port is entered one line below next to Internet Server Port, .below that the WebAPI Port.

Under Server User Account enter the Windows user account with Password under which HELiOS functions are executed.

Under **E-mail connection**, enter the connection settings of the E-mail server, e.g. for sending "forgotten password" emails.

Then click on Next.



Click Install.

🖟 HELiOS Internet Server Setup		-		×
	Completed the HELiOS In Setup Wizard Click the Finish button to exit the Setu			
	Back Finis	h	Cance	

After successful installation, the HELiOS Internet Server can be found in the program folder.



Please note:

For server access, passwords for web access must be assigned to the corresponding user logins of the HELiOS database (see HELiOS Online Help).

Checking the operability of the individual server components of the HELiOS Internet Server

In a current browser, call up one after the other the domain names specified under **Server Addresses** including the **Port** (e.g. https://his.your-companyname.com:30000).

When calling the server address of the HELiOS Internet Server, you must see the Login page.

HELIOS Internet Server	
Login	
Username Username	
Password Password	
Login Forgotten password?	

When you call up the **HELIOS API Server** in your browser, you will receive a status message that the corresponding service is running (e.g. "HELIOS API Webservice is running").

HELiOS API Webservice is running \sim X	+
$\overleftarrow{\leftarrow}$ \rightarrow C $\overleftarrow{\omega}$	🖸 🔒 https://

HELIOS API Webservice is running

If you do not see a status message, please make sure that the **Application Pool** of the **HELIOS API Server** is not running in the user context.

Therefore, please check the following two settings in the (IIS) Manager (Internet Information Services):

• Check in the Advanced Settings of the Application Pool of the HIS API Pool whether the Load User Profile option is set to True.

^			Grouping	•			Start	
ie	Status	.NET CLR V	Managed Pipel	Identity	Applications		Stop	
NET v4.5	Started	v4.0	Integrated	ApplicationPoolIdentity	0			
VET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolIdentity	0			ication Pool
efaultAppPool	Started	v4.0	Integrated	ApplicationPoolIdentity	2		📺 Basic Sett	ings
IIS API Pool	Started	v4.0	Integrated	Part of Los and	2		Recycling	los -
IIS UI Pool ty	Started	v4.0	Integrated	ApplicationPoolIdentity	2		Advances Rename	d Settings
							🗙 Remove	
Advanced Settin	igs					? ×	View App	lications
Y Process M	lodel					^	Help	
	Process Model Event Log Entry							
Identity	rocess moder erene bog endy		and the second	inter .				
	out (minutes)		20					
Idle Time-			Termina	te				
Load User			True			~		
	Worker Processes		1					
Ping Enab			True					
-	mum Response Time (seconds	c)	90					
-	d (seconds)	<i>.</i>	30					
-	Time Limit (seconds)		90					
	me Limit (seconds)		90					
 Process O 								
Enabled	i pitaning		False					
Executable			- disc					
	- Parameters							
	Protection							
	navailable" Response Type		HttpLev	el				
	navanable nesponse type		True			~		
Enabled								

Also check if the option LoadUserProfile is set to True in the Configuration Editor of the server under the section "system.applicationHopst/applicationPools".

💐 Internet Information Services (IIS)	Manager			– 🗆 ×
				🔯 🐹 🟠 🔞 -
File View Help				
Connections	Configuration Editor			Actions
 ✓ 63 Martin 1 - 67 Martin 1 	Section: system.applicationHost/applicationPools	•		By Apply By Cancel
Application Pools	 Deepest Path: MACHINE/WEBROOT/APPHOST 		^	denerate Script
y lie blies	(Collection)	(Count=6)		Configuration
	✓ applicationPoolDefaults			Search Configuration
	autoStart	True		
	CLRConfigFile			
	> cpu			Unlock Section
	enable32BitAppOnWin64	False		Help
	enableConfigurationOverride	True		
	environmentVariables	(Count=0)		
	> failure			
	managedPipelineMode	Integrated		
	managedRuntimeLoader	webengine4.dll		
	managedRuntimeVersion	v4.0		
	name			
	passAnonymousToken	True		
	✓ processModel			
	identityType	ApplicationPoolIdentity		
	idleTimeout	00:20:00		
	idleTimeoutAction	Terminate		
	IoadUserProfile	True	~	
	logEventOnProcessModel	IdleTimeout		
	logonType	LogonBatch		
	manualGroupMembership	False		
	maxProcesses	1		
	password			
	pingingEnabled	True		
	pingInterval	00:00:30	~	
	loadUserProfile Data Type:bool			
< > Configuration: ApplicationHost.config				
Configuration: ApplicationHost.config				• <u>1</u> .:

Troubleshooting Support

Below you will find solutions to various problems that may occur during the activation of the HELiOS Internet Server.

1. "Unexpected error" after login

How does the problem manifest?

After entering the user name and password when logging in to the HELiOS Internet Server, the following error message appears in the browser:

An unexpected error occurred

How do I solve the problem?

Please check whether the ODBC data source for the connection of the HELiOS Internet Server to the database has been set up as a system DSN connection. If this is not the case, remove the DSN connection in the user context and replace it with a system DSN connection.

Why this is necessary: The IIS starts the HELiOS Identity Server in a separate process, specified in the user context during installation. To ensure that the established ODBC connection can be accessed in this user context, it should be set up as a system DSN connection (user-independent).

2. HIS freezes after login

How does the problem manifest?

After entering the user name and password when logging in to the HELiOS Internet Server, the login freezes, showing a "Please wait" message, even after a longer period of time:



Note: When the HELiOS Internet Server is called for the first time (e.g. after restarting the server), it may take some time until the login occurs. In the background, the HELiOS core is being initialised and started. Therefore, please wait for a while and, if necessary, try logging in once more after closing the browser tab and calling the HELiOS Internet Server URL again.

How do I solve the problem?

There are two situations that can cause the problem.

User data is wrong or rights are missing

If a "Service Unavailable" page appears when calling the URL for the HELiOS API Server,



please check whether the Application Pool for the HELiOS API Server is running or if it has been terminated. This can be recognised by the icon or by the status display in the IIS Manager:

🗃 Internet Information Services (IIS) Manager						– 🗆 ×
← → ② ► Contraction Pools						🔯 🖂 🚱 •
File View Help						
Application Pools Sites Default Web Site Filter:	This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications. Filter:					Actions Add Application Pool Set Application Pool Defaults Application Pool Tasks b Start stop
	Started v4.0 sic Started v4.0	Managed Pipel Integrated Classic Integrated Integrated Integrated	I Identify ApplicationPoold ApplicationPoold ApplicationPoold	0 2 2		 Recycle Edit Application Pool Basic Settings Recycling Advanced Settings Reame X Renove View Applications We Help
Ready						•L::

If the Application Pool has been terminated (as is the case in the screenshot above), this may be due to data or permissions that are stored for the user to run the Application Pool being incorrect.

In this case, you should find a warning regarding the source WAS (Windows Process Activation Service) in the Windows Event Viewer of the server hosting the HELiOS Internet Server, located in the section "Windows Logs" / "System".

The following text should be included in the details:

Application pool HeliosAPI has been disabled. Windows Process Activation Service (WAS) did not create a worker process to serve the application pool because the application pool identity is invalid.

• • •

. . .

If this is the case, two things must be checked:

1. User name and password for running the HELiOS API Server must be correct. Please enter the correct data again if necessary:

Services (IIS)	Manager								– 🗆 X
← → @ • ■■■■ • •	Application Pools								😰 🖂 🔂 •
File View Help									
connections Application Pools Application Pools This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications. If there Go Show All Group by: No Grouping Advanced Settings Z								Actions Add Application Pool Set Application Pool Defaults Application Pool Tasks Start Store	
Application Pool Identity Built-in account: Custom account:	Name NET V4.5 NET V4.5 Classic DefaultAppPool HIS UI Peol HIS UI Peol	Status Started Started Started Started ?	v4.0 v4.0 v4.0 v4.0 v4.0 v4.0	Managed Pipel Integrated Classic Integrated Integrated Integrated	ldentiy ApplicationPoolld ApplicationPoolld ApplicationPoolld	0 2 2	V (General) NET CIR Version v4.0 Enable 32-Bit Applications False Masegod Bipaline Mode Integrated Name HIS API Pool Queue Length 1000 Start Mode OnDemand CPU Limit (sercent) 0 Limit Action NoAction Limit Interval (minutes) 5 Processor Affinity Enabled False Processor Affinity Enabled False Processor Affinity Enabled False Processor Affinity Enabled False Processor Affinity Stark (42:9467235		Recycle Edit Application Pool Basic Settings Recycling Advanced Settings Rename Remov View Spplications t-p
< > Ready	OK Features View	Car	Set Icel U: Pi	Credentials ser name: assword: onfirm password:		? ×	Process Model Constate Process Model Event.L Identity Idel Time-out (minutes) 20 Idel Time-out Action Terminate Identity Ijdentity, Tipe, username, password] Configures the application as built-in account, i.e. Application Pool Identity (commende Service, Local System, Local Service, or as a specific user identity OK	l), Network	
			-		OK	Cancel			14.11

- The user who is stored for the execution of the Application Pool must have sufficient rights (see also https://docs.microsoft.com/en-gb/troubleshoot/iis/default-permissions-user-rights#default-windows-user-rights-assignments), specifically the following permissions are required and should be checked:
 - a. "Sign in as a service"
 - b. "Sign in as a batch job"

No license available or license already occupied

Check whether there is a hint under C:\Temp\HISLogs\CoreActivities\ pointing to the fact that the license could not be occupied in the daily log file. If this is the case, please check the available licenses using the ISD Licensing Tool.

3. Background activation service is not running

How does the problem manifest?

All web pages of the HIS (Internet Server, Identity Server, API Server) are not accessible. The corresponding pages in the IIS Manager are closed and when trying to launch the pages you receive an error message saying that the background activation service is not running.

How do I solve the problem ?

Locate the "Windows Process Activation Service" (WAS) under Services in the Administrative Tools and start the service. If this fails, you can try running the service once by a command line with admin permissions. To do this, type "net start WAS" into the console window. The start of the service should also fail here but it will display an error message.

If "error code 13" is displayed here, please check the IIS log file (c:\windows\iis.log) to see if a line in the form of

< !!FAIL!! > Failed to create the NetFrameworkConfigurationKey key container (result=0x8009000f)

appears there. If this is the case, it indicates problems with the creation of a cryptographic key in the C:\Users\All Users\Application Data\Microsoft\Crypto\RSA\MachineKeys folder. If no keys for other relevant applications are stored there, you can delete the folder as an administrator. Afterwards, you should be able to start the Windows Process Activation Service manually again and Windows will automatically recreate the MachineKeys folder.

To prevent data loss, it can be useful to back up the contents of the MachineKeys folder before deleting it.

Installing the HELiOS Spooler

Start Windows to install the HELiOS Spooler. If Windows has already been opened, close all other applications and start the installation wizard.

Leave the selection mask of the installation wizard open, so that you can select the desired components one after the other.

PHELIOS 2023 (2802.0 x64)	DB Version 285		×
S	Language English	Client Installations HELiOS Desktop	
N	Installation Documents	HELIOS Update for HiCAD 2021	
0	HELiOS - Installation Notes	HELIOS Update for HiCAD 2022	
	Program Help	HELIOS Update for HiCAD 2023	
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer	
	HELiOS Help	Server Installations	
		HELiOS Vault-Server	
	Administrator Tools	HELiOS Internet-Server	
	This component may only be installed on the License Server!		
	License Server	HELiOS Spooler	
	HELiOS Database Creator	HELiOS Article Synchronization	
Ĩ	In order to read the installation instructions, the Adobe® Reade	r® is required.	
	© 1985 - 2022 ISD Group. All rights res		

Click on the HELiOS Spooler button.



Enter the installation directory for the software. If the installation wizard finds an already installed version, it will be offered to you for updating.

记 HELiOS Spooler Setup	– 🗆 X
Configuration HELiOS Spooler Settings	I-S-D
Service registration Start in interactive mode Start as service User DEDTM144\Administratc Password	CAD Add-Ins HiCAD AutoCAD Inventor SolidWorks
Data directory D:\HELiOS Spooler Data\	
Back	Next Cancel

In the Service registration area you can choose between the options Local system and User account.

A part of the Spooler is started by the system as a background process (Windows service). For safety reasons it is recommended to create a **Windows User account**, with **User name** and **Password** with read and access permission, before installation.

If you do not know the user yet, you can choose Local system. The Spooler will then run, initially without access to any printers, as a simple Windows system service. Now, select **Control Panel > Administrative Tools > Services**. Right-click **HELIOS Spooler** and select **Properties**. On the **Log On** tab, switch to **This account** and enter the **User name** and the **Password**.

🚺 Important:

If the Spooler user's password later changes or expires, the password must be reassigned to the HELiOS Spooler service in the Windows **Control Panel** at **Management > Services** via **Right-click > Properties > Log On**.

If the **Start service upon installation** option is active, the Spooler service will not require a manual start after installation.

Normally, the HELiOS Spooler runs as a Windows Service in the background. In this standard configuration the Spooler process will be started by the operating system in a special session which is not visible for the user. Therefore, the process will even continue running after the Spooler user has logged off from the computer. Unfortunately, internal tests have found that problems may occur with this type of operation in conjunction with some CAD systems.

Should you encounter any problems,, we therefore recommend choosing the **Start in interactive mode** option during installation. When this option has been selected, the Spooler will no longer be set up as a service, but will be started directly in the foreground via the Administration UI. During this type of operation, the Spooler process will appear in the form of a small text window in the window bar (Caution: When you log off from the Server, the Spooler process will also be ended here!)

For starting the "interactive" configuration of the Spooler automatically, the file **Helios.Spooler.exe** from the installation directory must be invoked with the option "—no service", for instance, either from the "Autostart" folder or via **Windows task planning**. If you have further questions, please contact our ISD Consulting team.

Select the data directory. Activate the Create network share checkbox to enable the communication with the **PrintClient**. If the network share is not created during installation, it must be created manually afterwards. Since special settings will be required here, we recommend contacting our Consulting team.

Choose the CAD system that you want to link to the HELiOS Spooler, and click Next.

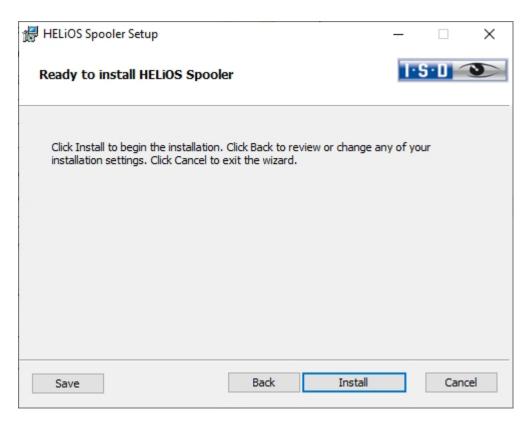
🛃 HELiOS Spooler Setup		×
Database connection Settings for connection with HELiO	S DB	I-S-D 🍽
System data source	HeliosBauteil	Ý
Alle HELiOS-Benutzer anzeigen		
HELiOS User	Administrator	~
HELiOS Group	PDM-Administratoren	~
✓ Use Vault Server		
Address localhost	Po	ort 9000
	Back Next	Cancel

In this dialogue window you will be asked for the login of the database user, which is the login of the (SQL) database system.

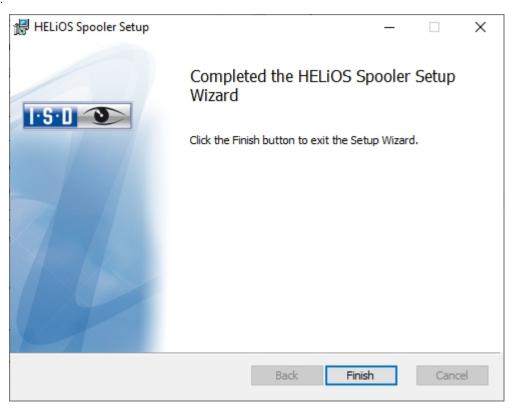
For **System data source** you have to select the corresponding ODBC database connection. Here the **HELiOS User** is selected, over which the spooler runs. It is important that this user has admin rights and is also assigned to the **HELiOS Group** of "PDM administrators" here. Otherwise you will get an error message. Then you will be asked for the login of the database user. This is the login of the (SQL) database system.

Activate **Use Vault Server** and enter the **Address** and **Port** of the Vault Server installed in the system for your Multi-CAD operation.

Click Next.



Click Install.



Click **Finish** to complete your installation.

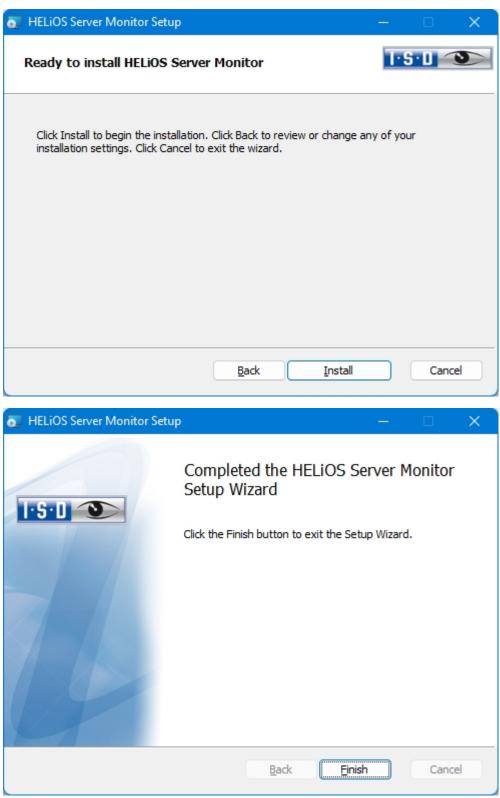
After successful installation, the HELiOS Spooler can be found in the program folder.

Installing the HELiOS Server Monitor

With the **Server Monitor** you have the possibility to monitor the runnability of your HELiOS server applications. You start the installation of the **Server Monitor** by double-clicking the SETUP.EXE file from the **Tools > ServerMonitor** directory of your installation medium.

🐻 HELiOS Server Monitor Setup)			· 🗆	×
	Setup Wi	zard zard will insta	ELIOS Server	Monitor on ye	our
		<u>B</u> ack	<u>N</u> ext	Cano	:el
👼 HELiOS Server Monitor Setur)		_	· 🗆	×
Destination Folder Please select the installation f	older		Ì	I-S-U <	3
Install HELiOS Server Monitor t	o:				
C:\Program Files\ISD Software	e und Systeme	HELIOS Serve	er Monitor\		
<u>C</u> hange					
	(<u>B</u> ack	Next	Canc	el

Specify the installation directory.

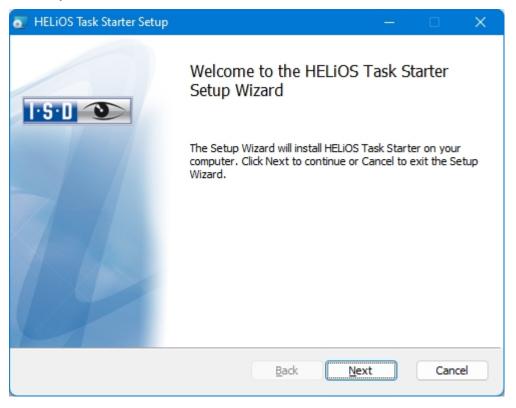


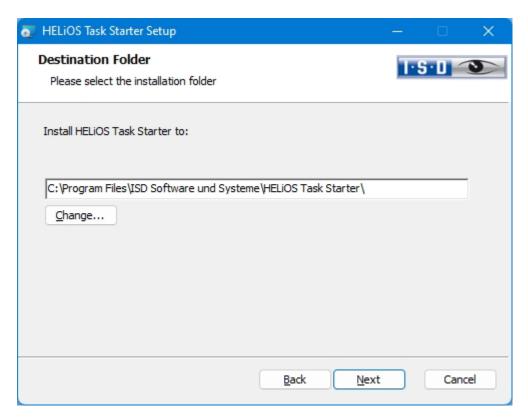
After the installation you start the monitoring with a double click on the **ServerMonitor.exe** file (EXE directory). The running monitoring by the Server Monitor is displayed in the Windows notification area.

Installing the HELiOS Task Starter

The **HELIOS Task Starter** is a tool with which HELIOS services such as the HELIOS Spooler can be automatically restarted after termination or after a crash (e.g. due to interruption of the database connection or network access).

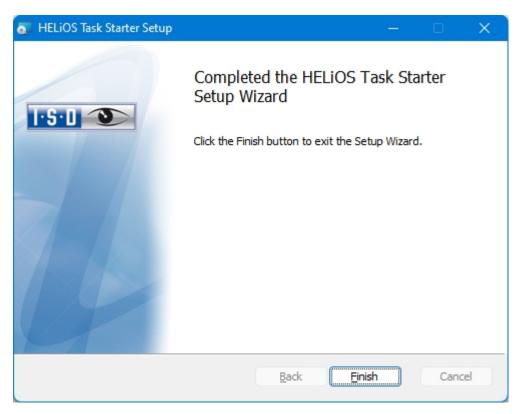
You start the installation of the **HELIOS Task Starter** with a double click on the file SETUP.EXE from the directory **Tools > TaskStarter** of your installation medium.





Specify the installation directory.

💿 HELiOS Task Starter Setup	_		×
Destination Folder Please select the installation folder	T	S·D _	3
Install HELiOS Task Starter to:			
C:\Program Files\ISD Software und Systeme\HELiOS Task Starter\ Change			
<u>B</u> ack <u>N</u> ext		Can	cel



After the installation, the **HELiOS Task Starter** must be configured (see HELiOS online help). To do this, edit the file **TaskStarter.config** (%programdata%\ISD Software und Systeme\HELiOS Task Starter </ersion>\). Then enter the service in the Windows task scheduler. If you have any questions, please contact the ISD Consulting team.

Installing the HELiOS Article Synchronization

In addition to the interface (e.g. from EPLAN or Zuken E3), which you activate during the installation of HELiOS in the **HELiOS Interfaces** tab of the **Extended settings** window, the **article synchronization service** running separately in the system must also be installed. This service synchronizes the part information from EPLAN, for example, with the HELiOS part masters. In both systems the article number of the respective other system is stored so that the connection between EPLAN article and HELiOS article can be established at any time. The HELiOS article synchronization can be found as a button in the selection window of the HELiOS installation.

Please note:

For the configuration of the HELiOS-EPLAN or ZUKEN E3-HELiOS interface please contact the ISD Consulting team.

To install the HELiOS Spooler, please start Windows. If Windows has already been started, please close all other applications. Insert the DVD in your DVD drive. The installation wizard will then be started automatically.

PHELIOS 2023 (2802.0 x64	4) DB Version 285		×	
8	Language	Client Installations		
N	Installation Documents	HELiOS Desktop HELiOS Update for HiCAD 2021		
0	HELIOS - Installation Notes	HELiOS Update for HiCAD 2022		
	Program Help	HELiOS Update for HiCAD 2023		
SC	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer		
	HELiOS Help	Server Installations		
		HELiOS Vault-Server		
	Administrator Tools	HELiOS Internet-Server		
	This component may only be installed on the License Server!			
	License Server	HELiOS Spooler		
	HELiOS Database Creator	HELiOS Article Synchronization		
Ĩ	In order to read the installation instructions, the Adobe® Read			
7	© 1985 - 2022 ISD Group. All rights ret	THE WORLD OF CAD AND POM SOLUTIONS -		

Click on the HELiOS Article Synchronization button.



Specify the installation directory for the software.

HELiOS Article Synchronization Setup	p	- 0	×
Configuration HELIOS Article Synchronization Setting:	s	1·S·L	
HELiOS Interfaces EPLAN Zuken E3	HELIOS Server Monitor Communication port	3572	7
Service registration User Password Start service upon installation	/1\AMustermann		
	Back Next		Cancel

Choose the interfaced program and, in the **User** field, enter the User login for HELiOS, (or a user account) with access to HELiOS.

The Server Monitor uses the **Communication port** 35727. If this is occupied by another application, you can change the communication port here.

HELIOS Article Synchronization Setup			×
Ready to install HELiOS Article Synchronization	T	<u>6·0</u>	3
Click Install to begin the installation. Click Back to review or change ar installation settings. Click Cancel to exit the wizard.	ny of yo	ur	
Extended settings			
Back Install		Canc	el

You can now begin with the installation or modify the **Extended settings**, e.g. for HELiOS.

Extended settings					×
HELIOS					
System data source	HeliosBa	uteil			
User	hicad				
Password	•••••				
✓ Use Vault Server	Address	localhost	Port	9000	
		OK Save Cancel			

The existing system data source will be suggested. User and Password are identical to those for the ODBC login. If you use a Vault Server, activate the Vault Server checkbox. Enter the name of the Server in the Address input field,

and the Server Port of the Vault Server in the **Port** input field. These can be found at **Port** > HELiOS Options > Database > General > Vault Server .

Click Save to store the Extended settings in an .ini file. Confirm withOK.

THELIOS Article Synchronization S	etup		. <u> </u>		×
Ready to install HELiOS Artic	le Synchroniza	tion	1.8	j•0 <	3
Click Install to begin the installatio installation settings. Click Cancel t	n. Click Back to rev o exit the wizard.	iew or change ar	iy of you	ır	
	Extended settings	5			
	Back	Install		Cance	el

Click Install to start the installation.

THELIOS Article Synchronization Setup				×
	Completed the ISD HELi Synchronization Setup W Click the Finish button to exit the Set	/izard		
	Back Finis	sh	Canc	el

After successful installation, the menu of your interface will contain the **Synchronize articles with HELiOS** function in the **PDM** menu.

After installation, the HELiOS Configuration Editor tool is available in the Program Files\ISD Software and Systems\HELiOS Synchronisation Service\exe directory to make settings for managing the service and directories.Z For further information, please refer to the online help for the HELiOS / EPLAN interface.

Configuration

Company- or user-specific requirements can be conveniently adapted to the configration.

- Configuration HELiOS (Central Distribution of Settings)
- Parameter Configuration for HELiOS

Configuration HELiOS (Central Distribution of Settings)

During installation of HELiOS you may either import the HELiOS settings (e.g. user interface, masks and attribute assignments) as a ZIP package as usual or provide them locally (in a network folder). HELiOS then checks for newer settings when the application is started and updates the local settings accordingly.

During the optional query for **UI configuration**, it is possible to distinguish between a local and a central (cross-computer) directory. This allows you to save the HELiOS configuration for several workstations in a central directory instead of having to "distribute" it to the individual local directories. To do this, create a ZIP file in HELiOS under **HELiOS Options > MANAGE... > Export settings**.

🖟 Extended settings		_		×
HELIOS HELIOS Interfaces	General			
System data source User	HeliosBauteil hicad			
Password	••••			
Use Vault Server	Address	Port	9000	
SmartSearch-Server	Configuration			
Use Spooler	Server			
Use Application Server	Address	Port		
Saving of configuration files	 Use local (computer-specific) of Use central directory for configure 			
Configuration file				
	OK Save Cancel			

If you select the option **Use central directory for configuration data** in the new or update installation, a **directory** (e.g. network drive) must be selected via Windows Explorer instead of the local **Configuration file**in .ZIP format.

Change Installation

🖟 HELiOS 2023 Setup			· _ ·		×
Change Installation HELiOS 2023 Settings			·S·I		
Use Spooler					
Server	localhost	1			
Use Application Se	rver				
Server		Port			
Use Vault Server					
Server	localhost	Port	9000	D	
Activate ISD Upda	te Service				
Create context r	nenu entry in Windows Explo	rer for savin	g files in	HELiOS	
Use central directo	ory for configuration data				
Directory	C:\ProgramData\ISD Software	und Systeme	HELIOS	2023 .	
	Back	Nex	t	Cano	el

A Change Installation from HELiOS offers the option to change a central configuration subsequently. The configuration of the directory for the configuration files must correspond to that at **%APPDATA%\ISD Software und** Systeme\HELiOS "nnnn". The administrator cannot specify a ZIP file with settings here..

If you want to change the local configuration afterwards, you should use the **HELiOSConfigImport.exe**tool.

Please note:

- Settings files that are provided by the administrator in a central directory must be selectively copied to that directory. The directory structure provided by HELiOS must be observed due to the dependency on files. This must correspond to the directory structure defined in **%APPDATA%\ISD Software und Systeme\HELiOS 2023**. If in doubt, contact the ISD consulting team if you have any further questions. To preserve the folder and file structure, export the relevant settings that you want to distribute centrally and import them back into an empty HELiOS-%APPDATA% directory via HELiOS Options > MANAGE... > Export settings. Then move this folder and file structure to the central configuration directory.
- If the set configuration directory is not accessible at runtime, HELiOS behaves as if it is empty. This means that the program starts without updating the interface configuration.
 HELiOS searches e.g. for the mask file in the 3 locations (%APPDATA%, %PROGRAMDATA%/central directory, installation directory). If there is a more current (timestamp) mask in %PROGRAMDATA%/central directory than in %APPDATA%, it is copied to the %APPDATA% directory and used. If there is no mask in %APPDATA% and %PROGRAMDATA%/central directory, it is taken from the installation.

- During the update installation of HELiOS for an older HiCAD version (before 2020), the option for setting the configuration directory is missing and can only be adjusted via the registry. If you have any questions, please contact the ISD consulting team.
- When updating an older HELiOS to HELiOS 2020 or higher, old mask files (in the \sys\ directory of the installation) are converted to the new XML format during the process and saved under %Program Data%. This conversion is not dependent on whether the local or central directory was selected for the interface configuration. The old configuration file can then be found in a backup directory created by the operation below the installation folder.
- The new masks at %Programdata% should not be overwritten in any case, because these are the "delivery status", which may be updated by later update installations. If masks are edited and changed with the mask editor, they are stored at %Appdata% and are called up by HELiOS when working in corresponding masks from this directory. This means: If masks are to be distributed uniformly to different workstations, they must be saved under %Appdata% and not (!) under %Programdata%

Parameter Configuration for HELiOS

HELiOS provides appropriately adjusted user interfaces and configurations for various interfaces. During installation of HELiOS the **MultiCAD.csv** file, that sets up the templates required for the operation of the interface, will automatically be run via the **HeliosClientConfig.exe** program.

You can also load an own *.csv file subsequently if desired. In the EXE directory of your HELiOS installation, start the

HeliosClientConfig.exe program. Click the button to select the path of the CSV file and confirm with OK.

HELiOSClientConfig		
	Configuration file	C:\HELiOS\templates\MultiCAD.csv
		OK Cancel

Furthermore, HELiOS offers template files for title blocks (AutoCAD drawing frames with database attributes) and HELiOS masks that have been adjusted for Multi-CAD operation:

- In the ...\templates directory of your HELiOS Desktop installation you will find the adjusted HELiOS masks for Multi-CAD operation in the ...\MultiCAD folder. Copy them to the ...\sys directory of your HELiOS installation.
- In the...\templates\AutoCAD\ directory you will find drawing frame templates that you can copy to the corresponding templates directory of your CAD software

Update

- Licensing in Case of Updates
 - Updating the Server License
 - Updating Local Licenses
- Carrying Out the Installation
- Data Compatibility of HiCAD/HELiOS
- Update of HELiOS
 - Backups Before Performing the HELiOS Update-Installation
 - Update Installation of HELiOS
- ISD Update Service
 - Installing the ISD Update Service
 - Using the ISD Update Service
 - ISD Update Service: Settings
- Updating the HELiOS Database (Database Schema)
- Mask Converter for HELiOS
- Manual Registration of Multi-CAD Add-ins

Important notes on updates!

Hardware Exchange

If you use local HELiOS licenses and want to exchange any hardware components, modify the partitioning of, or re-install the operating system, you need to revoke the existing license on the HELiOS workstation first, and request, using the new hardware or modified configuration, a new license key (further information on the procedure can be found in the software documentation).

If a revocation is technically possible, but will not be performed, the ISD reserves the right to charge costs in an appropriate amount for the reissuing of the license. If the license will not be revoked, or if such revocation is no longer technically possible, the ISD may request proof that the unrevoked license is no longer utilisable; in case of failure to produce such proof, the ISD reserves the right to refuse the transfer of the license to a new hardware.

Licenses

Before updating HELiOS, you must deactivate all licenses (Server Licenses or Local Licenses). The procedures for Server Licenses and Local Licenses are different.

Data compatibility

When performing a HELiOS update, the update start mask shows you the HELiOS version, which needs to match the existing database. If this is not the case, only an error message will appear when you start HELiOS. To update the database schema, use the program HeliosDbUpdate.exe. If the database schema requires an update, you can **no longer access** the database with older HELiOS versions. Therefore, all workstations accessing the database need to be readjusted accordingly at the same time.

Administrator

Before carrying out an update you should inform the responsible Administrator to ensure a well coordinated switch to the higher version.

Update HELiOS

In the context of HELiOS Update Installations, the last 5 release cycles are supported. As of HELiOS 2023 (Version 280^{*} .*), you can only update installations from 2018 (Version ≥ 2300.0) and newer. (See also Carrying out the installation.)

Backup HELiOS

It is mandatory to make a database backup before carrying out an update, as the update can normally only be reverted by importing the backup.

HELiOS Data base schema

As existing datasets with non-compliant conditions may cause conflicts during the central update process of the HELiOS delivery database, you should consider the following:

- 1. Do a database backup: You should make sure that a backup of your HELiOS database has been created before the update. This can be done with the HELiOS Database Creator or via your SQL server application. Please contact the ISD hotline if you have any questions or need support for your individual system architecture.
- 2. The log file of the update: If any conflicts occur during the update, they are traced in the log file HeliosDbUpdate.txt (in the system path %appdata%\ISD Software and Systems\HeliosDbUpdate\). Have this file ready if you contact the ISD hotline for troubleshooting and successful updates.

New Mask Editor in HELiOS 2020

Due to the complete revision of the Mask Editor in HELiOS 2020, the previous mask format has been changed from .MSK to .XML. In addition, mask files are now managed outside the installation directory, resulting in some changes in the system architecture that Administrators must consider:

- The masks of older versions (before V 2500.0) that were previously stored in the SYS directory of the installation are automatically converted to the new XML format in case of an update installation and stored at %Programdata%.
- The new masks at **%Programdata%** should not be overwritten under any circumstances, as these represent the "delivery status", which will be updated by later update installations. If masks are edited and changed with the Mask Editor, you must store and call them at **%Appdata%**.

Updating the HELiOS-Inventor interface

For an update of the Inventor interface from an older HELiOS version to HELiOS 2020 (Version 2500) or higher (and the corresponding update of the database schema) the following changes have to be considered:

- 1. The structure identifiers for Inventor parts must be updated.
- 2. The standard part and semi-finished product identifiers are changed to a document-based (instead of article-based) management.

An update installation can only be carried out after an appropriate preparation of the migration.

In case of an update, please contact the Consulting team of the ISD Group. New installations of HELiOS 2020 and the associated database are not affected.

Important update notes for attribute mapping in title blocks

Up to HELiOS 2019, the attribute for the title block in AutoCAD was created using the following files:

- heliossac_titleblock.dat,
- helacblock.xml

As of HELiOS 2020 (version 2500.0), the mapping must also be set up manually here.

In case of an update, please contact the Consulting team of the ISD Group.

HELiOS List attributes

The database version update (HELiOSDbUpdate.exe) checks from HELiOS 2022 onwards whether list attributes with other data types than VARCHAR exist. If this is the case, the database version update for updating the database schema will not be carried out. In this case, please contact the ISD in order to migrate with the help of the Consulting the corresponding attributes to data types that will be supported in the future. Important notes for administrators during a HELiOS update installation working with the HELiOS integration for Inventor and AutoCAD!

When updating the database to HELiOS 2019 Service Pack 2 or higher, the old workspace is checked for documents in progress. These are documents with the pen symbol in the respective (old) workspace dialog, or entries of locked documents in the Workspace Manager from HELiOS Desktop (on the right hand side).

Should the check find relevant documents, the following message appears:

The update of the database cannot be performed because there are still locked documents in old local work areas which will not be supported in the future. After this update, only work areas with new administration are supported and automatic migration is not possible. More information can be found here.

Material Manager

The Material Manager (materialmanager.exe) that enables a taking over of materials from Catalogue Editor to HELiOS needs to have the same database schema as HELiOS. Therefore the Material Manager will also be updated.

Licensing in Case of Updates

Before updating HELiOS, you must deactivate all licenses (Server Licenses or Local Licenses). The procedures for Server Licenses and Local Licenses are different.

Updating the Server License

For a Server license the License Server software and the License Management tools may require an update. Furthermore, you need to deactivate the licenses for the old Version first, and then activate those for Version 2023.

You can start with the installation of HELiOS before or after activation of the new licenses; a starting of the software is, however, only possible after activation of the new licenses.

The current Version of the License Server, Sentinel RMS License Manager 8.6.2, can be found on the installation medium of HELiOS 2023. If you have an older version, you need to uninstall this version with the help of the Windows Control Panel. First, uninstall the **Sentinel RMS License Manager** there and (if there are any) the AdminToolsServer.

You can then install the new version of the License Server from the installation medium. Start the installation wizard . In the selection mask of the installation wizard, click on the **License Server** button.

PHELIOS 2023 (2802.0 x64)	DB Version 285	>
3	Language English	Client Installations HELiOS Desktop
N	Installation Documents	HELiOS Update for HiCAD 2021
0	HELiOS - Installation Notes	HELIOS Update for HiCAD 2022
	Program Help	HELiOS Update for HiCAD 2023
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer
	HELiOS Help	Server Installations
\cap		HELiOS Vault-Server
	Administrator Tools	HELiOS Internet-Server
	This component may only be installed on the License Server!	
	License Server	HELiOS Spooler
	HELiOS Database Creator	HELIOS Article Synchronization
Ĩ	In order to read the installation instructions, the Adobe® Read	er® is required.
	© 1985 - 2022 ISD Group. All rights re	served.

Before you can use the new licenses of HELiOS 2023, you need to deactivate the old licenses with the help of the License Manager. This tool is located in the Windows **Start** menu at **All programs > ISD Software und Systeme > Administration**.

After starting the **ISD License Manager** the **License Activator** tab will be active. Normally, the **EID** (Entitlement ID) field is still filled in and the fields **E-mail** and **Password** are still empty. The activated modules of the old Version are highlighted (blue). Click on the **Deactivate** button to revoke the activation of these modules.

To activate the new licenses you require the ISD License Manager. After installing HELiOS 2023 this tool will be available to you in the Start menu of Windows at ISD Software und Systeme > Administration.

Another prerequisite for the activation of the new licenses is their requesting via the via the Update form and the subsequent provision of the licenses by the ISD. .

Start the ISD License Manager, which you can find in the Start menu of Windows at ISD Software und Systeme > Administration(C:\Program Files (x86)\ISD Software und Systeme\AdminToolsServer\exe).

On the License Activator tab, enter the Entitlement ID, your E-mail address and your Password and click Login. After connecting to the ISD License Server, all your purchased licenses will be shown. Use the checkboxes to select the modules that you wish to activate and confirm your selection with a click on the Activate button.

After successful activation you can start HELiOS.

Updating Local Licenses

Before installing HELiOS 2023, you need to deactivate the local licenses of the old version on your workstation. After installing HELiOS 2023, you need to activate the new licenses.

To deactivate the old licenses you use the **ISD License Manager**, which is located in the Windows start menu at **ISD Software und Systeme > Administration** (C:\Program Files (x86)\ISD Soft- ware und Systeme\AdminToolsServer\exe).

On the **License Activator** tab, click on the **Deactivate** button to revoke the activation of the modules, i.e. to deactivate them. After successful deactivation, a corresponding message will be displayed.

To activate the new licenses you require the **ISD License Manager 4.0**. After installing HELiOS 2023 this tool will be available to you in the **Start** menu of Windows at **ISD Software und Systeme > Administration**.

Another prerequisite for the activation of the new licenses is their requesting via the Update form and the subsequent provision of the licenses by the ISD. After installing HELiOS, start the ISD License Manager, which you can find in the Start menu of Windows at ISD Software und Systeme > Administration(C:\Program Files (x86)\ISD Software und Systeme\AdminToolsServer\exe).

On the License Activator tab, enter the Entitlement ID, your E-mail address (the address to which the E-mails of the Activation@isdgroup.de were sent) and your Password and click Login.

After connecting to the **ISD License Server**, all your purchased licenses will be shown. Use the checkboxes to select the modules that you wish to activate and confirm your selection with a click on the **Activate** button. The selected modules will then be activated on your workstation. You can deactivate them again at any time to enable their use on a different workstation.

After successful activation you can start HELiOS.

Carrying Out the Installation

The installation of HELiOS can be carried out by the Consulting of the ISD. In the context of Update Installation, the last 5 release cycles are supported.

We recommend to note the following instructions:

- 1. Users with sufficient background knowledge can generally perform the updates themselves.
- 2. When performing an Update Installation, the "Installation Notes" must be read/considered thoroughly. The responsibility lies with the user. Updates generally fall under the category "Consulting". Therefore, questions about the Update Installation that go beyond purely functional questions about the installation are subject to a charge.
- 3. When performing an Update Installation, in addition to reading the "Installation Notes", we always recommend carrying out a test update as part of a test installation first and, only if this is successful, carrying out the update in the live system. Customer-specific adjustments to the HELiOS installation may have to be updated/adjusted as part of the test installation.

Since the effort of an update increases with the number of skipped versions, we generally recommend an installation by the ISD. This also saves the user from having to familiarize themself with the Update Installation topics and ensures that nothing will be forgotten.

Update of HELiOS

The ISD recommends performing an Update Installation when switching from an old version to HELiOS 2023 or for the installing of Service Packs and Patches. Before the update, create a backup of the HELiOS Database.

Backups Before Performing the HELiOS Update Installation

Before starting the Update Installation of HELiOS, you should create a backup of the database (see also InstallationGuide Microsoft SQL Server). To do this, start the **HELiOS Database Creator**.

Batabase import/export tool	? – 🗆 ×
ver authentication	8
sa	
••••••	1100
(local)\SQLEXPRESS	🔻 🗹 Local
LOGIN	
	sa (local)\SQLEXPRESS

After entering the user data - user **sa**, the password and the SQL Server to be connected to - select **Login**.

	3	Database import/export tool	? — 🗆 >
Import / Export			
Database:	bauteil		-
Import/export path:	C:\Export HELiOS		
			EXPORT
– Export settings –			
		LOGOUT	
	I)\SQLEXPRESS		

Then enter the name of your database and the export path. The export path must not contain any files. Click on the **Export** button.



After exporting successfully, a message is displayed which you confirm with OK.

The log file of the procedure can be found at %Appdata%\Roaming\ISD Software und Systeme\HELiOS\%Datenbankname%_Helios_Export.log and the configuration can be found at %Appdata%\Roaming \ISD Software und Systeme\Helios.DBImportExport\DBImportExportConfig.

Update Installation of HELiOS

You can conveniently download the current HiCAD version in the Download Area. Please note that a HELiOS update usually requires you to also update the database.

Close all other applications and start the installation wizard. For the installation, it is essential to start the **setup.exe** file from the root directory of the ISO file; this is the only way to ensure that the installation wizard recognises the operating system correctly and installs the appropriate HELiOS version.

Then select the language of the version.

PHELIOS 2023 (2802.0 x64)	DB Version 285		×
S	Language English	Client Installations HELiOS Desktop	
N	Installation Documents	HELiOS Update for HiCAD 2021	
0	HELiOS - Installation Notes	HELiOS Update for HiCAD 2022	
	Program Help	HELiOS Update for HiCAD 2023	
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer	
	HELiOS Help	Server Installations	
\cap		HELiOS Vault-Server	
	Administrator Tools	HELiOS Internet-Server	
	This component may only be installed on the License Server!		
	License Server	HELiOS Spooler	
	HELiOS Database Creator	HELiOS Article Synchronization	
Ĩ	In order to read the installation instructions, the Adobe® Reader	THE WORLD OF CAD AND POM SOLUTIONS	
	© 1985 - 2022 ISD Group. All rights res	erved.	

Click on the HELiOS Desktop or the HELiOS Update for XXXX button (XXXX = year).

Before using HELiOS, Microsoft .NET Framework and the Visual C++ Runtime Libraries must be installed on the computer; if required, these packages will now be installed.



Please read the Installation Notes and the Licence Agreement carefully.

If the installation program finds an already installed HELiOS Version, this will be indicated in a corresponding dialogue window.

JHELiOS 2022 Setup	_		\times
Setup has found an existing version	1.6.		
Please select the type of this installation	1.9.		
Installation of HELiOS 2022 as			
O Update-Installation			
○ New Installation			
Back	Next	Cano	cel

Activate the Update-Installation option and click Next.

Please note:

As of HELiOS Version 2800.0, information on the HiCAD sheet structure is used for printing drawings (*.SZA) via HELiOS. This information is transferred to HELiOS by HiCAD as of Version 2601.6 or 2702.3. If you are using an older HiCAD version, you will not be able to print your drawings via HELiOS after the HELiOS update. Therefore, depending on the update variant, you will be asked whether you still want to proceed with the update installation.

🖟 HELiOS 2023 Setup		· · · · · · · · · · · · · · · · · · ·		×
Ready to install HELiOS 2	2023	I-S-I		
Click Install to begin the insta installation settings. Click Car	llation. Click Back to review or ch ncel to exit the wizard.	ange any of yo	bur	
	Extended settings			
	Back In	stall	Cano	el

You can now start with the installation or modify the **Extended Settings** for HELiOS.

🖟 Exten	ded settings		×
HELIOS	HELiOS Interfaces	General	
System User	data source	HeliosBauteil hicad	
Passwoi	rd	••••	
🗌 Use	Vault Server	Address Port 9000	
SmartSe	earch-Server	Configuration	
Use	Spooler	Server	
Use Use	Application Server	Address Port	
Saving	of configuration file	 Ise local (computer-specific) directory Use central directory for configuration data 	
Configu	uration file		
		OK Save Cancel	

In case of a new installation of HELiOS you can specify an arbitrary name for the system data source. In case of an update, the existing data source will be offered. **User** and **Password** will be identical with the ODBC login.

If you are using a Vault Server, **Use Vault Server** is activated and the **Address** and **Port** are entered. The data of the Spooler is also taken over.

Individual settings in HELiOS can be distributed to other users or workstations (see Configuration HELiOS (Central Distribution of Settings)). To do this, create a ZIP file in HELiOS under HELiOS Options > MANAGE... > Export settings. If you then select the option Use central directory for configuration data during the installation, you can select

the ZIP file via the Windows Explorer in the selection dialogue after clicking the button.

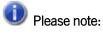
👘 Exten	ded settings		_	×
HELIOS	HELiOS Interfaces	General		
	D AutoCAD [®] 2020 Inventor [®] 2020 Navisworks [®] crosoft Office [®]	Not installed		
	Excel 2013 Outlook 2013 PowerPoint 2013 Word 2013			
\sim	hers EPLAN® 2.9.4 Zuken E3® 2019			
✔ Use	32Bit Report Mana <u>o</u>	er (only needed for old BOM tem	plates)	

The availability of interfaces with HELiOS depends on the programs that are installed on your computer. With the exception of the Office Interface, you can only interface 64-Bit versions to HELiOS 64-Bit versions. Multiple selection of HELiOS Interfaces is also possible. The HELiOS functions are integrated into the programs that are linked to HELiOS.

Please refer to the Compatibility Matrix to find out which interfaces to external software are supported by HELiOS.

You can also add interfaces later via the Windows Control Panel. To do this, select **Programs and Features** in the Control Panel, activate **HELIOS** and then right-click to select **Change**. The installation of HELIOS is started and you can select further software on the **HELIOS Interfaces** tab.

Furthermore, the tool HeliosCouplings.exe (in the /exe/ directory of the HELiOS installation) is available for establishing interfaces.



- A prerequisite for establishing interfaces with Multi-CAD software is that the corresponding software is also installed on the corresponding system.
- Establishing an interface between a 32-Bit software and a 64-Bit version of HELiOS is not possible. An exception is MS Office. Here it is generally possible to interface a 32-Bit Office to HELiOS (64-Bit).

- For EPLAN you also require the Article Synchronization Service running separately on the system. You will find the corresponding button in the HELiOS installation mask. For the configuration of the HELiOS-EPLAN interface please contact the ISD Consulting team.
- If you have installed AutoCAD and AutoCAD Mechanical, both will be considered for the interface.

Extended settings			\times
HELIOS Interfaces General			
Installation directory C:\Program Files\ISD Software und System	ie\HELiC)S\	
 ✓ Activate license administration tools ✓ Activate ISD Update Service ✓ Create context menu entry in Windows Explorer for saving 	ı files ir	HELiOS.	
OK Save Cancel			

If you checkmark the **Activate ISD Update Service** option, a Hotfix will be searched on the ISD Web Server when you start HELiOS. You can also activate this option subsequently via the Windows Control Panel: There, select**Programs** and **Features**, right-click on **HELiOS** and select**Change**.

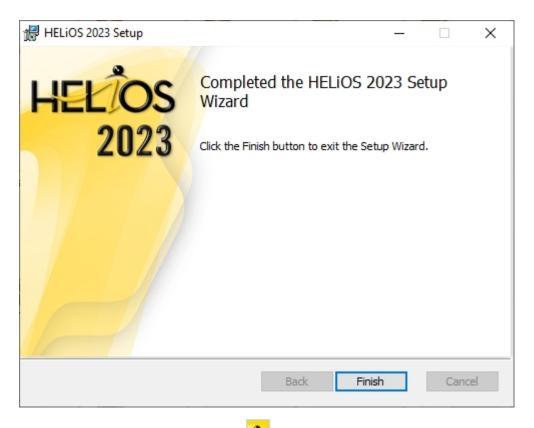
If you want the function **Save to HELiOS** to appear in the context menu of Windows Explorer, activate the checkbox **Create context menu entry in Windows Explorer for saving files in HELiOS**.

Close the Extended settings dialogue with OK.

🖟 HELiOS 2023 Setup				\times
Ready to install HELiOS 2	2023	1.2.1		
Click Install to begin the insta installation settings. Click Car	llation. Click Back to review or chancel to exit the wizard.	ange any of yo	ur	
	Extended settings			
	Back Ins	stall	Cano	el

Click on the Install button.

17	HELiOS 2023 Setup	· · · · · · · · · · · · · · · · · · ·			×
	Installing HELiOS 2023	I·S·	D	Ċ	
	Please wait while the Setup Wizard installs HELiOS 2023.				
	Status:				
	Back	Next	_	Canc	al
	Dack	NEXC		Cano	



After successful installation, you will find the HELiOS Abortcut for starting the program on the Desktop of your computer.

Improvements of the HELiOS functionality require an update of the database. If the database is no longer up-todate, this will be indicated by a message when HELiOS is started. Use the program HeliosDbUpdate.exe to update the database schema.

ISD Update Service

The automatic search for and installation of HELiOSupdates (Hotfixes). For this you require the program **ISDUpdateSvc.exe**, that you can either activate during installation of HiCAD or install via the Windows Control Panel afterwards.

Installing the ISD Update Service

You can activate the automatic search for and installation of HELiOS updates (Hotfixes), either during the installation of HELiOS or, later, via the Windows Control Panel.

HELIOS HELIOS Interfaces General Installation directory C:\Program Files\ISD Software und Systeme\HELIOS\ Update-Installation					
 Update-Installation Activate license administration tools Activate ISD Update Service Create context menu entry in Windows Explorer for saving files in HELiOS. 					

During installation you can go to **Extended settings > General** and activate the **Activate ISD Update Service** option to activate the automatic search for Updates on the ISD Server. You can also activate or deactivate this option afterwards via the Windows Control Panel.

Control Panel Home	Uninstall or change a program					
View installed updates	To uninstall a program, select it from the list and then	click Uninstall, Change, or Repair.				
Turn Windows features on or off	Organize 🔻 Uninstall Change					1= • @
Install a program from the network	Name	Publisher	Installed On	Size	Version	
	HELIOS Uninstall	ISD Software und Systeme	21/12/2022	5.16 MB	28.0.1.157	
	A HELIOS	ISD Software und Systeme	21/12/2022	26.0 MB	28.0.1.157	
	HELIOS Change	ISD Software und Systeme	21/12/2022	125 MB	28.0.1.157	
	🚓 HELiOS Spooler	ISD Software und Systeme	21/12/2022	146 MB	28.0.1.157	
	P HICAD 2021 EN	ISD Software und Systeme	21/12/2022	5.36 GB	28.0.1.157	
	余 Inkscape 0.91		21/09/2015		0.91	
	3 Intel(R) Management Engine Components	Intel Corporation	22/04/2015		10.0.25.1048	
	Intel(R) Network Connections Drivers	Intel	22/04/2015	916 KB	19.3	
	1 Intel® USB 3.0 eXtensible Host Controller Driver	Intel Corporation	22/04/2015	18.4 MB	3.0.2.54	
	酸 ISD FilePrinter PS	ISD Software und Systeme GmbH	20/10/2016	21.0 KB	2.0.0.0	
	🕌 Java(TM) 6 Update 21 (64-bit)	Oracle	21/08/2017	90.4 MB	6.0.210	
	🛅 MadCap Capture 7	MadCap Software	15/11/2016	148 MB	7.0	
	💋 MadCap Flare 12	MadCap Software	15/11/2016	1.02 GB	12.0.5991.25330	
	💋 MadCap Flare 2018 r2	MadCap Software	13/11/2018	1.37 GB	14.1.6875.33553	
	💋 MadCap Flare V10	MadCap Software	28/04/2015	656 MB	10.0.0	
	MadCap Mimic 8.1	MadCap Software	13/11/2018	433 MB	8.1.6680.17664	
	#Microsoft .NET Core 1.1.0 - SDK 1.0.0 Preview 2.1-003	Microsoft Corporation	13/11/2018	178 MB	1.0.0.3177	
	Microsoft .NET Framework 4 Multi-Targeting Pack	Microsoft Corporation	22/04/2015	83.4 MB	4.0.30319	
	Microsoft .NET Framework 4.7.2	Microsoft Corporation	31/08/2018	38.8 MB	4.7.03062	
	Microsoft Command Line Utilities 13 for SQL Server	Microsoft Corporation	15/08/2016	2.75 MB	13.0.1601.5	
	B Microsoft Help Viewer 1.1	Microsoft Corporation	22/04/2015	3.97 MB	1.1.40219	
	Microsoft ODBC Driver 11 for SQL Server	Microsoft Corporation	22/04/2015	4.61 MB	12.0.2000.8	
	Microsoft ODBC Driver 13 for SQL Server	Microsoft Corporation	15/08/2016	8.06 MB	13.0.1601.5	

In the Windows Control Panel, choose Programs and Features, right-click on HELIOS and choose Change.



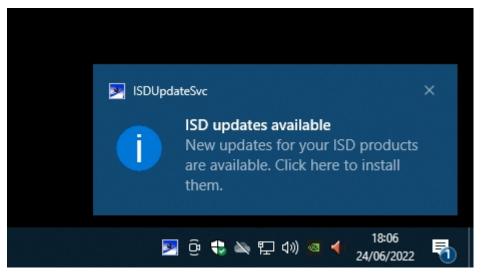
🖟 HELiOS 2023 Setup			_		×
Change Installation HELiOS 2023 Settings		T	·S·D		
Use Spooler Server	localhost				
Use Application Serv	/er	Port			
Use Vault Server Server	localhost	Port	9000)	
Activate ISD Update	e Service				
	enu entry in Windows Explor	er for saving	g files In	HELIOS	
Use central director	y for configuration data				_
Directory	C:\ProgramData\ISD Software	und Systeme	VHELIOS :	2023	
	Back	Next	:	Canc	el

Checkmark Activate the ISD Update Service and click Next. After all options have been queried, click Change.

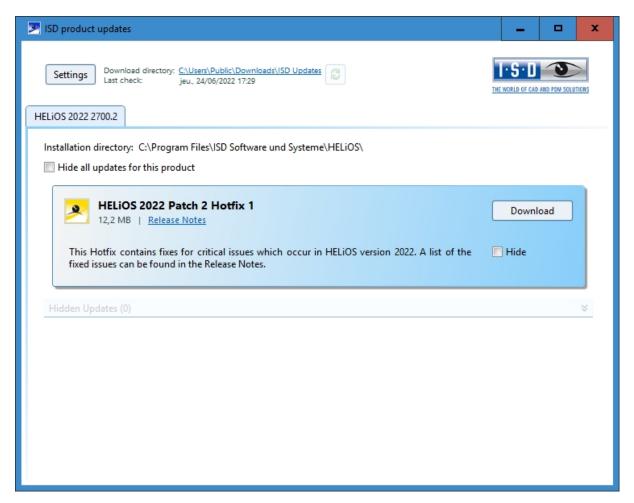
After successful installation, the program ISDUpdateSvc.exe will be located by default in directory C:\Program Files\ISD Software und Systeme\ISD Update Service

Using the ISD Update Service

If you have installed the ISD Update Service, the following message appears at the bottom right of your screen whenever a Hotfix is available:

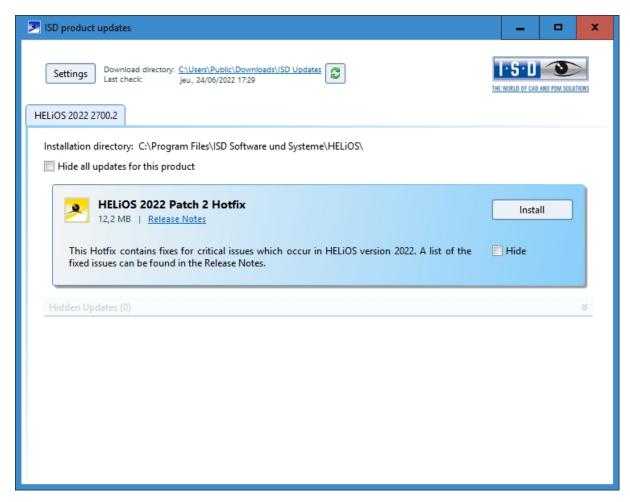


Click on the message or double-click on the Picon at the bottom right to start the ISDUpdateSvc.exe program. You can also directly double click on the ISDUpdateSvc.exe file to start the program. Confirm the query in the Windows User Account Control dialogue window.

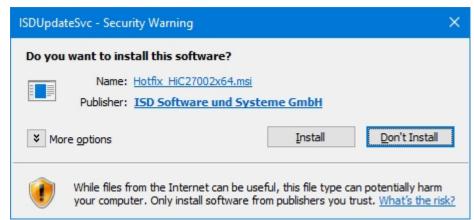


If an update is available, click the **Download** button to download it from the ISD Server to your computer. If an update should not be displayed anymore, activate the **Hide...** If checkbox.

S ISD product updates	-		×
Settings Download directory: C\Users\Public\Downloads\\SD Updates Last check: jeu., 24/06/2022 17:29 HELiOS 2022 2700.2	I.S.D THE WORLD OF CAD	AND POW SOLU	TIONS
Installation directory: C:\Program Files\ISD Software und Systeme\HELiOS\ I Hide all updates for this product			
HELIOS 2022 Patch 2 Hotfix 1 12,2 MB Release Notes This Hotfix contains fixes for critical issues which occur in HELIOS version 2022. A list of the fixed issues can be found in the Release Notes.	Downloadi	ing	
Hidden Updates (0)			*



After downloading of the Hotfix, click Install.



Confirm the Windows Security Warning with Install.

Follow the instructions on the screen to install the update.

The HELiOS Info window indicates the current HELiOS version number (incl. build number) and the numbers of installed hotfixes. To display the Info window, click **Help Topics and Information** on the top of HELiOS Desktop and then select **HELiOS Desktop**.



ISD Update Service: Settings

If you have installed the ISD Update Service, you can, after calling the program (with the \ge icon at the bottom right on the Windows Taskbar, or by double-clicking on the file ISDUpdateSvc.exe), configure the search and the installation with the **Settings** button.

ISD product updates	_ 🗆 X
Settings Download directory: C:\Users\Public\Downloads\ISD Updates Last check: jeu., 24/06/2022 17:29 HELiOS 2022 2700.2	THE WORLD OF CAD AND POW SOLUTIONS
Installation directory: C:\Program Files\ISD Software und Systeme\HELiOS\	
HELIOS ? 12,2 MB This Hotfix conta fixed issues can b Search for updates, all 1 Days Hidden Updates (0)	Download Hide

Via the **Settings** button you can specify the download directory for Updates and a time interval for the search for updates.

You can use the $\stackrel{\textcircled{\mbox{\scriptsize C}}}{=}$ icon to start the search for updates manually.

Updating the HELiOS Database (Database Schema)

Improvements of the HELiOS functionality require a regular updating of the database; if the database version is no longer up to date, HELiOS displays the following message (version numbers may vary) when it is started:

HELiOS System Message	-	×	
2022-08-14 15:28:29.378 001 Database version verification error: Abort! Helios cannot work with the active database. The following problem was detected when checking the schema: Non-supported database version207 (required: 241). For this program the database version is not up-to-date.		,	~
A database version update with the 'HeliosDbUpdate' program is requi	red.		~
<		>	.ei

To update the database schema, use the program HeliosDbUpdate.exe.

HELiOS Data base schema

As existing datasets with non-compliant conditions may cause conflicts during the central update process of the HELiOS delivery database, you should consider the following:

- 1. Do a database backup: You should make sure that a backup of your HELiOS database has been created before the update. This can be done with the HELiOS Database Creator or via your SQL server application. Please contact the ISD hotline if you have any questions or need support for your individual system architecture.
- 2. The log file of the update: If any conflicts occur during the update, they are traced in the log file HeliosDbUpdate.txt (in the system path %appdata%\ISD Software and Systems\HeliosDbUpdate\). Have this file ready if you contact the ISD hotline for troubleshooting and successful updates.

D Please note:

- It is mandatory to make a database backup before the update, as the update can normally only be reverted by importing the backup.
- After an update, access is only possible with the appropriate HELiOS version. A mixed operation with HELiOS versions requiring an older database schema is not possible.
- The update must be performed once and applies to all HELiOS installations.
- As of HELiOS 2022 SP 1 (Version 2701), HeliosDbUpdate.exe no longer supports databases older than version 212 (corresponds to the database delivered with HELiOS 2013, Version 1800). In this case, use an older version of HeliosDbUpdate.exe or contact the Consulting department of the ISD.

- The responsible administrator should always be informed prior to the update, in order to enable a coordinated conversion.
- In some cases, a window with the message "The designations of the database attributes must be updated." will be displayed during the update process. In such cases, the language-dependent standard designations for attributes will be updated. This applies only to standard designations of attributes which have not been changed or created by the user, i.e. only for attributes according to the default settings. This means that designations that were assigned via Attribute Editor by the user will remain unchanged in the process.
- When updating a HELiOS version older than HELiOS 2022 Service Pack 2 (version 2702) to a newer one, an extended range of functions for deriving projects and folders is implemented. Please note that folders created via action lists of the workflow management or containing subfolders created via action lists cannot be derived. If corresponding folders are found in your database when updating the database schema, you will receive the following message:

"The functions for deriving project and folder structures have been extended. Currently it is not possible to derive folders which were created via action lists or which contain folders created via action lists with these functions. Since such folders exist in your database, please contact the ISD Consulting department to see to what extent adjustments will be necessary in the future."

 If you have pipe classes with identical pipe class numbers (RKLname), this will be displayed during a database version update.

HeliosDb	Update	×
<u> </u>	The following pipe class numbers exist multiple times: RN-00006. The database index for the pipe class will be defined anyway.	
	ОК	
	he uniqueness check independent of the pipe class numb or all obiects in the database. The background is that in H	

To make the uniqueness check independent of the pipe class number (RKLname), a unique index is assigned for all objects in the database. The background is that in HELiOS the path of the objects is never taken into account.

Any conflicts in the database are reported during the database version update and a database index is created for the pipe classes. You can view this index with the programme HEL_ATTREDIT.EXE and adjust your database or delete the index.

The update can be performed from any HELiOS workstation with a database connection. The **HeliosDbUpdate.exe** program is used for this purpose. It can be started via the Windows Explorer, or similar programs, from the exe directory of the HELiOS installation.

The following mask (software and database version may vary) will be displayed after starting the program:

HeliosDbUpdate: Update of database schema	×
Update database	Close Software-Version: 27 / 241 Database-Version: 27 / 207 Re-determine Check update capability of active database

Click the **Update database...** button to start the update.

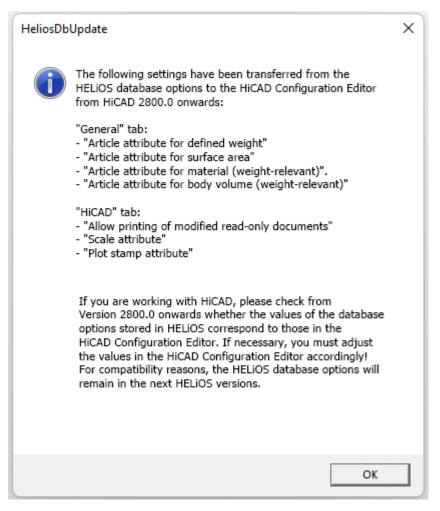
The following message (version numbers may vary) will be displayed after clicking the button.



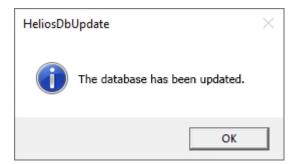
If you confirm this message with OK, another confirmation prompt is displayed.

HeliosDbUpdate ×
Update now ?
Yes No

The update starts after confirming the security question with Yes and leads to the following message after a successful update.



By switching from HELiOS Database Options to the HiCAD Configuration Editor, this important note will appear the first time you update to HiCAD 2800.0 or newer. Please read the note carefully.



A further check can be carried out by clicking the **Re-determine** button in the main window of the program, after confirming this message with **OK**.

After a successful update, software version and database version should be identical.

Please note:

If you use HiCAD and HELiOS together it may occur after an update of HiCAD that according to the error message for verification of your database version the number of the required version is lower than that of the current one, which is, according to the message, not supported.

In this case, please contact our Hotline: Tel: 02 31 / 97 93 - 166 Fax: 02 31 / 97 93 - 101 E-Mail: support@isdgroup.com

Manual Registration of Multi-CAD Add-ins

If you use both HiCAD and HELiOS on your system in mixed operation it is not possible (as opposed to the standalone version of the HELiOS Desktop) to establish an interface between HELiOS and further CAD or CAE software via an update or modification installation.

To do so you can use the HeliosCouplings.exe tool (in the /exe/ directory of the HiCAD installation).

It can be used to activate interfaces with AutoCAD, Inventor or EPLAN.

PHELIOS- Couplings		-		×
CAD				
AutoCAD [®] 2019	Not supported version			
Navisworks [®] 2021	Active in D:\usr3\helioshicad\2702.X_2022\dev\Install\exe64_Re	lease (27	.2.2.503)	
Microsoft Office [®]				
✓ Excel 16				
✓ Outlook 16				
PowerPoint 16 ✓ Word 16				
Others				
EPLAN®	Not installed			
Zuken E3®	Not installed			
	OK Cancel			

Activate the checkbox of the required software and confirm with **OK**. The interface will then be activated.

The respective software has to be installed in the system.

New Mask Editor for HELiOS

The Mask Editor (as of HELiOS 2020) has been completely revised. Besides a modern ribbon design, which also supports operation at high resolutions, the basis for a further expansion of the masks and the editor has been laid.

The revision of the mask editor has also led to a conversion of the mask format to XML. Mask files are now managed outside the installation directory.

New mask format and central mask configuration

In HELiOS 2020, the previous mask format has been changed from .msk to .xml, parallel to the revision of the mask editor. In addition, mask files are now managed outside the installation directory, resulting in some changes in the system architecture that administrators should urgently consider:

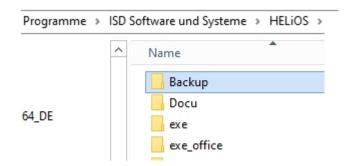
The masks of older versions that were previously stored in the \sys\ directory of the installation are automatically converted to the new XML format by an update installation of an older HELiOS version to HELiOS 2020 (V 2500.0) or higher and stored at **%Programdata%**.

At %**Programdata%**, the masks are stored in a version-specific path, i.e. for HELiOS 2020 this path could look like this: "C:\ProgramData\ISD Software und Systeme\HELiOS 2020\GUI\Masks". In a later version, the version identifier in the path will be correspondingly higher.

C:\ProgramData\ISD Software und Systeme\HELiOS 2020\GUI\Masks				
Name	Änderungsdatum	Тур		
i email	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Article.Creation	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Article.Detail	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Article.Index	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Article.Modify	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Article.Search	15.01.2020 03:09	XML-Dokument		
Helios.Masks.ArticleClass	15.01.2020 03:09	XML-Dokument		
Helios.Masks.ArticleClass_anl	16.11.2019 03:09	XML-Dokument		
Helios.Masks.Document.Creation	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Document.Detail	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Document.DetailEx	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Document.Index	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Document.Modify	15.01.2020 03:09	XML-Dokument		
Helios.Masks.Document.Search	15.01.2020 03:09	XML-Dokument		
Helios Masks DocumentClass	15 01 2020 03:09	XMI - Dokument		

This conversion or directory is not dependent on whether the local or central directory was selected for the interface configuration (see below).

The old configuration file can then be found in a **Backup** directory that was created below the installation folder.



The new masks at **%Programdata%** should not be overwritten in any case, because these are the "delivery status", which may be updated by later update installations. If masks are edited and changed with the mask editor, they are stored at **%Appdata%** and are called up by HELiOS when working in corresponding masks from this directory.

鵙 Important:

This means: If masks are to be distributed uniformly to different workstations, they must be saved under **%Ap-pdata%** and not (!) under **%Programdata%**.

Mask Converter

During the update installation - starting from an installation earlier than HELiOS 2020 - the tool MskToXm-IUpdate.exe is placed in the exe directory of the HELiOS installation. This tool is used by the installation program when updating to HELiOS 2020 for automatically converting masks in the old MSK mask format to the new XML mask format. The images contained in the masks are also copied together with the masks.

If necessary, this tool can also be used to convert old mask files to the new XML mask format at a later date. To do this, the tool must be started as administrator from the Windows command line as follows

MskToXmIUpdate – BACKUPPATH=path name – MSKPATH=path name

A path must be specified for both the **BACKUPPATH** and **MSKPATH** parameters.

BACKUPPATH

Here the directory must be specified to which the "old" MSK/BMP files are to be moved after conversion.

After the conversion, a conversion log with the name _MskToXmlResult.txt is saved in this directory.

MSKPATH

Here the directory has to be entered containing the files to be converted.

Example:

MskToXmIUpdate -BACKUPPATH=C:\helios\sys\backup_msk -MSKPATH=C:\helios\sys\

The files are automatically converted into the file %PROGRAMDATA% of HELiOS, for instance [...]\ProgramData\ISD Software und Systeme\HELiOS 2020\GUI\Masks.

Licensing

- General Notes on Licensing
 - ...for Local Licenses
 - ...for Network Licenses
 - ...for Commuter Licenses
- Installing the License Server
- Licensing via Licensing ID (License Activator)
 - AutoRequest Licenses
 - Activate Licenses
 - Deactivate Licenses
 - Trial Licenses
 - Reconstruction of Licenses
 - Notes on the Use of Modbile Computers (Laptops)
- Commuter Licenses
 - Checking Out Commuter Licenses, with Network Connection
 - Checking Out Commuter Licenses, without Network Connection
- License Configuration
- Server Monitor
- Theft of a Workstation

General Notes on Licensing

HELiOS can be activated via 3 types of licenses:

- Standalone Licenses (Local Licenses)
- Network Licenses
- Commuter Licenses

Please note:

- A static IP address is required for a correct operation of the License Server.
- If you activated a license while the WLAN card is switched on, this license will only be valid and visible when the WLAN card is switched on.
- In the HELiOS directory DOCU you can find an Online Help for the Licence Manager. You start the Help by calling the LICENSEMANAGER.HTML file in the folder Docu\tools\Licensemanager.
- In the Online Help, on the PDF Documents on Various Topics page, you can find the document Checking out Licenses.

General Information on Local (Workstation-specific) Licenses

If you choose local licensing, the activation will be directly locked to the hardware of the workstation on which your HiCAD and HELiOS Desktop program is installed.

The ISD will send you an E-mail containing the Entitlement ID for local licenses (standalone). This ID will be required for the activation and deactivation of the licenses and software modules. Please keep the Entitlement ID! Without this ID you cannot activate or deactivate any licenses! In case of a defect, no reconstruction of licenses will be possible without the Entitlement ID! After installing HELiOS, you activate the licenses by means of the License Activator in the ISD License Manager.

General Information on (Server-controlled) Network Licenses

If you choose network (server-controlled) licensing, the license will be directly locked to the hardware of the server that centrally manages the HELiOS licenses. These licenses can be used on any workstation in your network that is connected to this server.

The ISD will send you an E-mail containing the Entitlement ID. If you have several network servers, e.g. at several locations, you will receive one Entitlement ID for each network server. This ID will be required for the activation and deactivation of the licenses and software modules. Please keep the Entitlement ID! Without this ID you cannot activate or deactivate any licenses! In case of a defect, no reconstruction of licenses will be possible without the Entitlement ID! You activate/deactivate the network licenses by means of the **License Activator** in the **ISD License Manager**.

To be able to use network licenses, a License Server needs to be installed on a computer without HELiOS.

The license server enforces and manages licensing in multi-user environment. It keeps track of all the licenses and handles requests from network users who want to run a HiCAD/HELiOS application, granting authorization to the requesters, or denying requests if all licenses are in use.

The license server must not be installed on the same computer on which an ISD software product (HELiOS) is installed, as both product share system data concerning the licensing information. Formerly, such parallel install-

ations of license servers and ISD products were performed in cases where a customer occasionally wanted to transfer the license to another computer (Remote Commuter License).

lmportant:

Installations of license servers and ISD products on the same computer are no longer covered by the warranty. The ISD group advises you strongly not to perform such installations.

A static IP address is required for correct operation of the license server.



General Information on Commuter Licenses

Individual licenses can be checked out from the server and locked to a workstation within or outside the network (so-called "commuter licenses"). This enables you to continue working at a different location, without being connected to the license server (unless your HELiOS installation requires a connection to a database server). For this purpose you define a specific period during which you want the license to be available on a selected workstation. For this period, this license will be blocked on the license server. After expiry of this period, the license will be made available on the license server again. It is also possible to manually return this license to the server before expiry of the defined period, if the workstation is connected to the server. Licenses for one workstation can be checked out for at least one day, with the counting beginning at 1:00 AM on the day following the checkout date.

If you want to replace/exchange your license server, you need to deactivate all licenses first.

Practical Examples of Network Licensing

- Let us assume that three licenses have been activated on your server. Monday morning (11.00 am) you suddenly need to see a customer for design tasks, and you know that you will still be on-site at the customer's facility on Tuesday. You therefore check out a license for 24 hours on 11.00 am. This means that you can use this license until Tuesday night, 11.59 pm, from your mobile workplace. After expiration of this period, the license is automatically made available again on the server. If you manage to finish your work on Tuesday at midday, you can go back to your office and return the license to the server somewhat earlier.
- Similar situation as the one described above, with the difference that you are not in your office on Monday, 11.00 am. In such cases you can generate a hardware ID, enabling your colleagues in the office to check out a license for you. This license is sent to you by E-mail and can then be activated. In contrast to the previous

example, this license is exclusively available to you for a fixed period of time and cannot be returned to the server before expiration of this period.

Installing the License Server

If you want tp perform a HELiOS update to Version 2023 and use a license server (i.e. work with network licenses), you require Version 8.6.2 of the License Server. If you have installed an older version, you need to uninstall it before re-installing the License Server.

To install the License Server, start Windows. If Windows has already been opened, close all other applications and start the installation wizard.

Leave the selection mask open, open, so that you can select the desired components one after the other.

PHELIOS 2023 (2802.0 x64)	DB Version 285		×
S	Language English	Client Installations HELiOS Desktop	
N	Installation Documents	HELiOS Update for HiCAD 2021	
0	HELiOS - Installation Notes	HELiOS Update for HiCAD 2022	
	Program Help	HELiOS Update for HiCAD 2023	
	The installation of the Help files is only required if there is no Internet connection.	PostScript Printer	
	HELiOS Help	Server Installations	
\cap		HELiOS Vault-Server	
	Administrator Tools	HELiOS Internet-Server	
	This component may only be installed on the License Server!		
	License Server	HELiOS Spooler	
	HELiOS Database Creator	HELIOS Article Synchronization	
Ĩ	In order to read the installation instructions, the Adobe® Reade	r® is required.	
	© 1985 - 2022 ISD Group. All rights res		

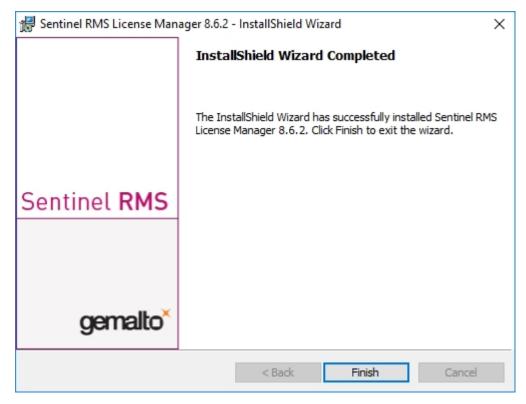
Click on the License Server button.

🖟 Sentinel RMS License Man	ager 8.6.2 - InstallShield Wizard	\times
	Welcome to the InstallShield Wizard for Sentinel RMS License Manager 8.6.2	
	The InstallShield(R) Wizard will install Sentinel RMS License Manager 8.6.2 on your computer. To continue, click Next. It recommended that before continuing the installation, the previous version(s) are uninstalled, incase they are not used	
Sentinel RMS		
	WARNING: This program is protected by copyright law and international treaties.	
gemalto [×]		
	< Back Next > Cancel	
🕷 Sentinel RMS License Man	ager 8.6.2 - InstallShield Wizard	×
License Agreement Please read the following lice		
Licens	e Grant/Warranty for Software	^
	······	
This License describes lin subsidiaries (such grantor	nited rights granted by SafeNet, Inc. and/or one of its , "Seller") to the Buyer.	
consisting of machine re designed as libraries or (Keys and/or Software (*F	", as used herein, shall mean a program or programs adable logical instruction and tables of information drivers to work in conjunction with Seller's Sentinel Products"). Title to all Software furnished to Buyer Seller Seller grants to Buyer a non-exclusive non-	
I accept the terms in the licer		
○ I do not accept the terms in	the license agreement	
InstallShield	< Back Next > Cancel	

🕷 Sentinel RMS License Manager 8.6.2 -	InstallShield Wi	zard	×
Customer Information			
Please enter your information.			
Line News			
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,			
Organization:			
1			
Install this application for:			
Anyone who uses this cor Only for me (Doku)	nputer (all users)		
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ៅ Sentinel RMS License Mana	ager 8.6.2 - InstallShield Wizard	×
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Complete All program f space.)	features will be installed. (Requires the most disk	
will be install	h program features you want installed and where t ed. Recommended for advanced users.	hey
InstallShield		
	< Back Next >	Cancel
🛃 Sentinel RMS License Mana	ager 8.6.2 - InstallShield Wizard	×
Sentinel RMS	System Firewall Settings Need To I The setup program will install the Sentinel RMS Manager (license server) on this system. To al communication between the RMS License Mana clients running licensed applications, the syste settings need to be modified. The Sentinel RM Manager will be added to the firewall blocking list. Keep the checkbox below selected to unblock firewall. Clearing this checkbox will let the fire block the communication between the clients a RMS License Manager. Unblock the system firewall for the Sentine License Manager Tip: For instructions on unblocking the firewall refer to the Sentinel RMS SDK System Adminis Help.	S License allow ager and the em firewall IS License exceptions the ewall and the el RMS
	< Back Next >	Cancel

🛃 Sentinel	RMS License Manager 8.6.2	- InstallShield Wi	zard	Х
	Install the Program rd is ready to perform selected	operation.		A-A
	all to begin the installation. ant to review or change any of wizard.	your installation s	ettings, click Back.	Click Cancel to
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🛃 Sentinel	RMS License Manager 8.6.2	- InstallShield Wi	zard —	
	Sentinel RMS License Man ram features you selected are			44
InstallShield -	Please wait while the InstallS Manager 8.6.2. This may tak Status:		s Sentinel RMS Lice	ense
anatananinciu -		< Back	Next >	Cancel



After successful installation you will find the Server (Sentinel RMS License Manager) under Services. From here you can also start and end the License Server.

Services							-	×
ile Action Vie	w Help							
• 🔿 📰 🗊	Q 📑 🛛 🖬 🕨 🖬 🗤							
Services (Local)	Services (Local)	-						
	Sensor Service	Name	Description	Status	Startup Type	Log On As		
		🌼 Remote Access Auto Connectio	Creates a c		Manual	Local Syste		
	Start the service	Remote Access Connection Man	Manages di	Running	Automatic	Local Syste		
		🌼 Remote Desktop Configuration	Remote De	Running	Manual	Local Syste		
	Description:	🌼 Remote Desktop Services	Allows user	Running	Manual	Network S		
	A service for sensors that	🌼 Remote Desktop Services User	Allows the r	Running	Manual	Local Syste		
	manages different sensors'	🌼 Remote Procedure Call (RPC)	The RPCSS	Running	Automatic	Network S		
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		10. Sanvar	Supports fil	Running	Automatic (Tr	Local Sveta		

lmportant:

To ensure that the HELiOS Client will find the correct License Server, an environment variable LSFORCEHOST should be set on each Client using network licenses. The value HOSTNAME, respectively the IP address of the License Server is assigned to the variable.

Licensing via Entitlement ID (License Activator)

The ISD License Manager significantly facilitates the communication between the customer and the ISD during licensing.



For the activation of HELiOS 2023 the ISD License Manager 4.0 will be required.

AutoRequest Licenses

When acquiring a HELiOS license, you will obtain one Entitlement ID for local licenses (Standalone) and another one for network licenses (Network). If you have several network servers, e.g. at different locations, you will obtain one Entitlement ID for each network server. These numbers will be required for the activation and deactivation of the licenses and the software modules.

Von: ISD Group | Licensing [mailto:activation@isdgroup.com] Gesendet: Dienstag, 14. September 2022 13:30 An: info@mustermann.com Betreff: ISD - Entitlement Certificate Dear Herrn Mustermann Congratulations! An entitlement has been created/modified for you with the following details: Click here to obtain information on the license activation procedure Entitlement Details EID: cd14e6c7-c78d-cc8a-a05c-0a114ccccc60b6 Start Date: 09/22/2022 Customer: Mustermann GmbH End Date: Never expires Contact: info@mustermann.com Associated Products and Features Remaining Product Name Start Date End Date Item number Quantity Status License type quantity HiCAD Spooler E102SPO001 2899 0 1 1 09/22/2022 Never expires Enabled Network HiCAD steel engineering package E103ATS2004 2899.0 09/22/2022 Never expires Enabled Network 1 1 E103STB2010 2899.0 09/22/2022 HiCAD steel engineering suite premium 1 1 Never expires Enabled Network HiCAD Integration Module E180CAH2001 2899.0 2 2 09/22/2022 Never expires Enabled Network HELiOS engineer from E181HEL2010 2899.0 2 2 09/22/2022 Never expires Enabled Network HELiOS Spooler Client E183PMC2005 2899.0 1 1 09/22/2022 Enabled Never expires Network HELiOS Spooler 1 E183SPO2001 2899.0 09/22/2022 1 Enabled Never expires Network F107PUW2001 2899 0 1 09/22/2022 HiCAD Point Cloud 1 Never expires Enabled Network Master License MasterLic 2899.0 15 15 09/22/2022 Never expires Enabled Network For further assistance, contact us using the following details Contact No. - +49-(0)231-9793-0 Email - support@isdgroup.com Sincerely, ISD Software und Systeme GmbH Team 2016 SafeNet, Inc. All Rights Reserved

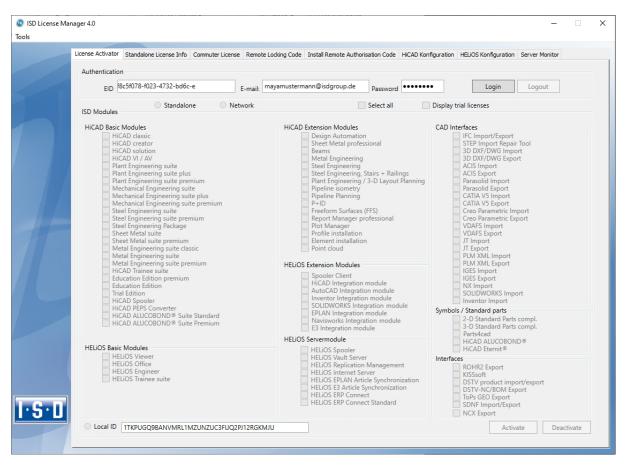


Please keep the Entitlement ID! Without this number you cannot activate or deactivate licenses. In case of a system crash a reconstruction of the licenses cannot take place without the Entitlement ID.

After installing HELiOS you can find the program in the Windows Start menu at **ISD Software und Systeme > Administration**. Please note that for the execution of some functions, administrator rights are required. The range of functions of the **ISD License Manager** depends on the activation of the License Administration Tools option. The information about this setting is entered in the Registry and can also be changed there subsequently if desired (please contact the Hotline).

lmportant:

To activate/deactivate Network Licenses, always start the ISD License Manager via the Windows Start menu: Select Start > All programs > ISD Software und Systeme GmbH > Administration. To avoid errors when activating/deactivating licenses, perform an update of the new ISD License Manager and/or the License Administration Tools beforehand.



Activate the License Activator tab and enter the Entitlement ID, your E-mail address and your Password. New customers obtain their password from the ISD Hotline. With this password you can also access the Download Area.

After entering the data, click **Login**. The ISD License Manager connects to the ISD License Server and the acquired licenses will be displayed.

This process may take several minutes. You can then activate the licenses.

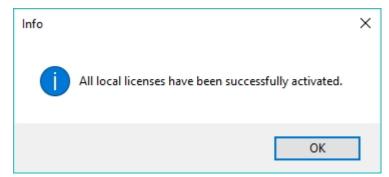
Activate Licenses

After successful Login the number of available licenses and the number of acquired licenses are indicated next to each module.

Sie sind erfolgreich am ISD Lizenzserver angemeldet. EID [0c:5078-f023-4732-bd6c-e Login Standalone Network Select all Display trial licenses HiCAD Classic 21/15 Stelet Classic 21/15 Stelet Manual Classic 21/15 Net Classic Classic Adults 21/15 Net Classic Classic Adults 21/15 Net Classic Classic Adults 21/15 Standalon	License Activator Standalone License Info Commuter License	Remote Locking Code Install Remote Authorisation Code HiCAD Ko	nfiguration HELIOS Konfiguration Server Monitor
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28/15 HiCAD classic 21/15 Design Automation 18/15 HC Import/Export 26/15 HiCAD classic 22/15 Sheet Metal professional 19/15 STEP Import Repair Tool 26/15 HiCAD cluston 22/15 Meeta Iestineering 20/15 3D DXF/DWG Export 26/15 HiCAD volution 22/15 Metal Engineering 20/15 3D DXF/DWG Export 26/15 Plant Engineering suite 21/15 Steel Engineering, Stairs + Railings 22/15 ACIS Export 26/15 Plant Engineering suite plus 21/15 Steel Engineering, Stairs + Railings 22/15 ACIS Export 26/15 Mechanical Engineering suite premium 21/15 Pipeline Isometry 21/15 Parasolid Import 26/15 Mechanical Engineering suite premium 21/15 Pipeline Isometry 21/15 Parasolid Export 27/15 Mechanical Engineering suite premium 23/15 P+1D 23/15 CATIA V5 Export 27/15 Mechanical Engineering suite premium 20/15 Freeform Surfaces (FFS) 22/15 CatRIA V5 Export 27/15 Sheet Metal suite premium 20/15 Freeform Surfaces			
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		110/1: E3 Integration module	25/15 Parts4cad
25/15i Parts4cad	HELIOS Basic Modules 31/15/ HELIOS Viewer	25/151 HELiOS Spooler 27/151 HELiOS Vault Server	120/1 HiCAD Eternit® Interfaces
HELiOS Servermodule 25/15 Parts4cad HELiOS Basic Modules 20/15 HICAD ALUCOBOND® 31/15 HELiOS Viewer 120/1 HICAD Eternit® 31/15 HELiOS Viewer 1nterfaces	29/151 HELIOS Unicer 26/151 HELIOS Engineer 32/151 HELIOS Trainee suite	28/151 HELIOS Replication Management 27/151 HELIOS Internet Server 28/151 HELIOS EPLAN Article Synchronization 28/151 HELIOS EPLAN Article Synchronization 28/151 HELIOS ERP Connect 28/151 HELIOS ERP Connect Standard	23/15: ROHR2 Export 22/15: SISV product import/export 22/15: DSTV product import/export 22/15: DSTV ProdUCM Export 22/15: TOPS GEO Export 22/15: SDNF Import/Export 22/15: NCX Export
HELiOS Basic Modules 25/15 Parts4cad 11/15 HELiOS Viewer 20/15 HELiOS Spooler 29/15 HELiOS Spooler 120/1 HICAD ALUCOBOND.® 31/15 HELiOS Viewer 110/1 HICAD Eternit® 29/15 HELiOS Represent Server Interfaces 29/15 HELiOS Replication Management 23/15 26/15 HELiOS Replication Management 23/15 26/15 HELiOS Replication Repert 23/15 26/15 HELiOS Trainee suite 24/15 28/15 HELIOS STrainee suite 28/15 28/15 HELIOS ERP Connect 22/15 28/15 HELIOS ERP Connect Standard 22/15 28/15 HELIOS ERP Connect Standard 22/15	Local ID 1TKPUGQ9BANVMRL1MZUNZUC3FUQ2F	120 CKA (11)	Activate Dead

Select the modules to be activated and click **Activate** to start the activation. For Server Licenses the modules are already pre-selected.

After successful activation a message showing you that all licenses have been successfully activated will be displayed:



You can then log out and work with the HELiOS modules.

In addition, you will receive an E-mail informing you about the deactivated modules.

For Network Licenses, all modules will always be activated or deactivated (for further information about the operation of the License Manager, please read the Online Help for the License Manager).

Deactivate Licenses

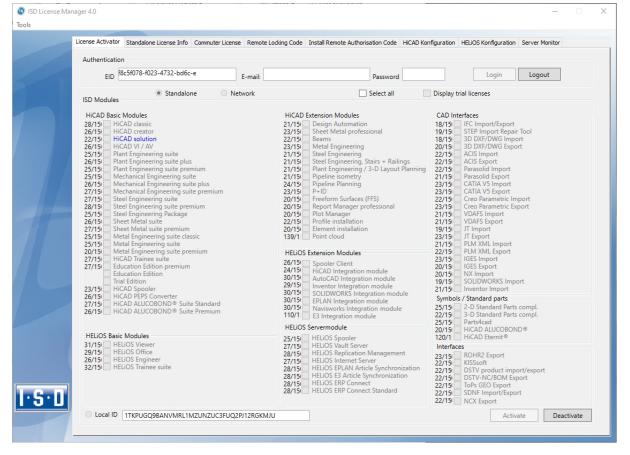
A deactivation of licenses for modules will be required in the following situations:

- Exchange of hardware or changing of hard disk partitioning
- Update of the operating system, e.g. from Windows 8 to Windows 11. For updates within one version no deactivation will be required.
- Transfer of local modules from one workstation to another
- Acquisition of further modules, or return of hired licenses
- Switch from local licenses to network licenses

Please note the following: All workstations with modules having the same Entitlement ID need to be deactivated completely before a redistribution of the module licenses can take place.

Close all HELiOS applications before deactivating local licenses or logging onto the License Manager.

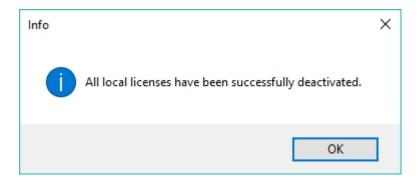
After starting the ISD License Manager the activated modules will be highlighted in a different colour.



Click the Deactivate button to revoke the activation of the modules.

A selection is not possible, as you need to deactivate all modules, no matter whether local licenses or network licenses. The deactivation process must not be disrupted, e.g. by a logout or the closing of ISD License Manager!

After successful deactivation the following message will be displayed.



Trial Licenses

If you select **Display trial licenses** after login, you will be also shown, besides all trial licenses with a limited period of validity, all purchasable licenses which are not simultaneously available as trial licenses.

Reconstruction of Licenses

As all licenses are stored on the ISD Server, you can, in case of an interrupted connection or an accidental deletion of licenses, restore all licenses by logging in with your Entitlement ID. The restoring will only function if the hardware was not changed (see Deactivate Licenses).

Notes on the Use of Mobile Computers (Laptops)

If you use a computer with WLAN card, Please make sure that the WLAN card is either always switched on, or always switched off.

Commuter Licenses

Commuter licenses enable you to use network licenses even if the workstation is not connected to the Server. There are two ways of receiving commuter licenses:

- Checking Out Commuter Licenses, with Network Connection
- Checking Out Commuter Licenses, without Network Connection

Checking Out Commuter Licenses, with Network Connection

Start the ISD License Manager (while a connection to the Server still exists). Switch to the Commuter License tab.

ISD License Ma	anager 4.0 — 🗆 >	<
Tools		
	License Activator Standalone License Info Commuter License Remote Locking Code Install Remote Authorisation Code HICAD Konfiguration HELIOS Konfiguration Revoke Server License	_
	192.168.232 Check Server Name / IP Search network	
	Load workstation configuration Check out authorisation for remote computer Load user configuration Commuter license: Validity in days Update licenses	
1.2.0		

If you have set the system environment variable LSFORCEHOST, the entered License Server will be displayed as the preselected server upon start. Use the **Search network** button to automatically search for License Servers.

Expand the tree structure of the found Server by a click on the "+"-sign. The result looks as follows:

ISD License Mar	nager 4.0 —	×
Tools		
	License Activator Standalone License Info Commuter License Remote Locking Code Install Remote Authorisation Code HICAD Konfiguration HELiOS Konfiguration Server Monitor	
	192.168.232 Check Server Name / IP Search network	
	Image: Section 2283 Image: Section 22	
	Load workstation configuration Load user configuration Commuter license: Validity in days	
	Update licenses	
I·S·D		

Select the required licenses by activating the corresponding checkboxes on the left hand side.

		-		×
Remote Locking Code Install Remote Aut	horisation Code HiCAD Konfiguration	HELIOS Konfiguration Server Monitor		
Check Server Name / IP	Search network			
	Description HiCAD creator 3 2899.0 Restricted to license expiry 100 0 99 Tue Mar 31 23:59:59 2023 Tue Mar 31 23:59:59 2023 tue Mar 31 23:59:59 2023			
[Update licenses			
	Check Server Name / IP Name License name on Server License version Maximum "License check OUT" duration Max. number of simultaneous users Commuter tokens recupied Commuter tokens rece License expiry date <	Check Server Name / IP Search network Name Description License name HiCAD creator License resion 2893.0 Maximum "License check OUT" duration Restricted to license expiry Max. number of simultaneous users 100 Commuter tokens occupied 0 Commuter tokens free 99 License expiry date Tue Mar 31 23:59:59 2023 Check out authorisation for remote computer > Commuter license: Validity in days 1 60 60	Name Description License name on Server 3 License name on Server 3 License version 2899.0 Maximum "License check OUT" duration Restricted to license expiry Max. number of simultaneous users 100 Commuter tokens occupied 0 Commuter tokens free 99 License expiry date Tue Mar 31 23:59:59 2023 Check out authorisation for remote computer Image: Commuter license: Validity in days	Remote Locking Code Install Remote Authorisation Code HCAD Konfiguration HELIOS Konfiguration Server Monitor Check Server Name / IP Search network Name Description License name HICAD creator License name on Server 3 License version 2999.0 Maximum "License check OUT" duration Restricted to license expiry Max number of simultaneous users 100 Commuter tokens free 99 License expiry date Tue Mar 31 23:59:59 2023 Check out authorisation for remote computer Image: Check Out authorisation for remote computer Commuter license: Validity in days 1 60

On the right hand side, information on the selected license is displayed.

In the **Commuter license: Validity in days** field, you enter the number of days that you want the commuter licenses to remain checked out from the Server. The maximum number of days is 60. By default (or if a "0" is entered), the value is set to 1.

For reasons of safety you should check out the licenses only for the required period! If a commuter license is lost, e.g. because of theft or a defect of the client computer, the license on the Server cannot be used any more before expiry of this date.

After entering the expiry date for the commuter licenses, click the **Update licenses** button. The Commuter licenses are checked out from the Server.

ISD License Man	ager 4.0			-	×
Tools					
	License Activator Standalone License Info Commuter License	Remote Locking Code Install Remote Aut	thorisation Code HiCAD Konfiguration	HELIOS Konfiguration Server Monitor	
	192.168.232	Check Server Name / IP	Search network		
T	192.168.22 1001) Plot Manager Version "2899.0" 1002) HiCAD classic Version "2899.0" 1003) HiCAD classic Version "2899.0" 1004) HiCAD solution Version "2899.0" 1004) HiCAD VI / AV Version "2899.0" 1003) Design Automation Version "2899.0" 1003) Design Automation Version "2899.0" 1003) Sheet Metal professional Version "2899.0" 1013) Sheet Metal professional Version "2899.0" 1011) Metal Engineering Version "2899.0" 1013) Steel Z Metal Engineering Version "2899.0" 1013) Steel Engineering Version "2899.0" 1015) Steel Engineering Version "2899.0" 1015) Steel Engineering Version "2899.0" 1015) Steel Engineering Version "2899.0" 1015] Steel Engineering Version "2899.0" 1017] PHD Schema Version "2899.0" 1023] Reelity Studio Version "2899.0" 1024] Report Manager professional Versio 1024] Report Manager professional Versio 1025] HiCAD Unloid Version "2899.0" 1024] Report Manager professional Versio 1025] HiCAD Unloid Version "2899.0" 1024] Report Manager professional Versio 1025] HiCAD Unloid Version "2899.0" 1024] Report Manager professional Versio 1027] HiCAD Unloid Version "2899.0" 1024] Report Manager Professional Versio 1027] HiCAD Unloid Version "2899.0" 1024] Report Manager Professional Versio 1027] HiCAD Unloid Version "2899.0" 1028	Check Server Name 7/P Name License name on Server License version Maximum "License check OUT" duration Max number of simultaneous users Commuter tokens occupied Commuter tokens free License expiry date Commuter license: Validity in days	Description HiCAD creator 3 2899.0 Restricted to license expiry 100 0 99 Tue Mar 31 23:59:59 2023		
1·S·D					

All selected licenses are now checked out from the Server and you possess all rights on your computer for the specified validity period for the commuter licenses. This means that you are enabled to work network-independent. The checked out licenses are no longer available to the other computers on the network.

License Activator Standalone License Info Commuter License	se Remote Locking Code Install Remote Aut	horisation Code HiCAD Konfiguration HELiOS Konfiguration Ser	rver Monitor
192.168.232	Check Server Name / IP	Search network	
□- <u></u>] 192.168.232	Name	Description	
	License name	HiCAD creator	
	License name on Server	3	
[003] HICAD creator Version 2033.0	License version	2899.0	
- [007] HiCAD VI / AV Version "2899.0"	Maximum "License check OUT" duration	Restricted to license expiry	
	Max. number of simultaneous users	100	
	Commuter tokens occupied	0	
	Commuter tokens free	99	
- [011] Metal Engineering Version "2899.0	License expiry date	Tue Mar 31 23:59:59 2023	
- []] [013] Steel / Metal Engineering Version '			
[014] Steel Engineering Version 2893.0			
[016] Steel Englisheding 7 Statis 7 (289).0"			
- [023] Reality Studio Version "2899.0"			
COLORIDA (U27) HILAD Unitoid Version 2855.0 +	<	>	
	Check out authorisation for remote computer c	ter	
Load workstation configuration			
Load user configuration	Commuter license: Validity in days	60	
		Update licenses	

You can however also return the commuter licenses before their expiry date. To do this, you need to connect to the Server, deactivate the checkboxes on the left and click the **Update licenses** button. All licenses are now made available on the Server and locked on your computer, i.e. you can now only use HELiOS if there is a connection to the License Server. The licenses made available again can now also be used from other workstations.

Checking Out Commuter Licenses, without Network Connection

Commuter licenses can also be drawn from the License Server without an existing network connection. For this **Administrator rights** are required.

Commuter licenses checked out in this way cannot be returned to the License Server! This means that the commuter licenses that have been checked out from the Server are only (automatically) made available again after their expiry date.

Several steps are required for checking out without network connection - by the Administrator having a network connection to the License Server, as well as by the Client (that is, your laptop) having no network connection to the License Server.

As long as commuter licenses are checked out in this way, it is not possible to update the network licenses on the server. The same applies when buying new modules/licenses and changing the configuration.

The Client starts the ISD License Manager tool, switches to the Remote Locking Code tab.

D License Mai	ager 4.0	-	>
	License Activator Standalone License Info Remote Locking Code Install Remote Authorisation Code HiCAD Konfiguration HELiOS Konfiguration Revoke Server License		
	Identification string		
	Identification string of current computer:		
	7525730363d3c2/333832273b3a2d5257303a35666d363c38312a5257303b2530362/31		
	Copy to clipboard Save as file		
	Send to e-mail receiver		
	Send identification string to E-mail receiver		
	E-mail address		
	Send		
S·D			

Then, the Client sends the generated character set to the Administrator (via E-mail or over the phone).

The Administrator starts the ISD License Manager and switches to the Commuter License tab.

ISD License Mana Tools	ager 4.0			– 🗆 X
	License Activator Standalone License Info Commuter License	Remote Locking Code Install Remote Aut	horisation Code HiCAD Konfiguration HELiOS Konfig	uration Server Monitor
	192.168.232	Check Server Name / IP	Search network	
	□	Name	Description	
	[001] Plot Manager Version "2899.0" [002] HiCAD classic Version "2899.0"	License name	HiCAD creator	
	- [002] HiCAD creator Version "2899.0"	License name on Server	3	
	[004] HiCAD solution Version "2799.0"	License version	2899.0	
	- [007] HiCAD VI / AV Version "2899.0"	Maximum "License check OUT" duration	Restricted to license expiry	
	- [008] Design Automation Version "2899.	Max. number of simultaneous users	100	
	[009] Sheet Metal professional Version "	Commuter tokens occupied	0	
	[010] Beams+Profiles Version "2899.0"	Commuter tokens free	99	
		License expiry date	Tue Mar 31 23:59:59 2023	
	- [015] Steel Engineering / Stairs Version '			
	- [016] Pipeline Isometry Version "2899.0"			
and the second	Contractions of the second state of the s			
	U23] Reality Studio Version 2899.0			
	[024] Heport Manager professional Versio [027] HiCAD Unfold Version "2899.0"			
		<	>	
		Check out authorisation for remote compu		
	Load workstation configuration	Check out authorisation for femote compt	ates	
	Load user configuration	Commuter license: Validity in days	1 60	
			Update licenses	
I-S-D				

The License Server will be selected, and the required licenses (modules) are activated in the left window. In the **Commuter license: Validity in days** field, you enter the number of days that you want the commuter licenses to remain checked out from the Server. The maximum number of days is 60. By default (or if a "0" is entered), the value is set to 1. To checkout a remote commuter license the administrator now needs to activate the **Check out authorisation for remote computer** checkbox **I**. Administrator rights are required for this.

A click on the **Update licenses** button opens a new dialogue window, in which the administrator enters the character set received from the Client

Identification code of remote computer	×
Revocation code string Enter revocation code of remote computer	
5232236353626373e402225253c353a3f342928265f51383c252322363536232925	
OK Cancel	

After selecting **OK**, another dialogue opens.

License file path	×
Commuter-Authorisation in Datei spiechern	
C:\Users\qs\Desktop\RemoteLicCode.lic	
	OK Cancel

Here the Administrator enters the target path and the file name for the licenses to be swapped out. Make sure that a unique file name is used, for example, by including in the file name the host name of the remote computer and the expiry date.

ISDLicenseManager	×
Commuter authorisation successfully created.	
ОК	

Click **OK** to check out the commuter licenses from the License Server and swap them out to a file, e.g. RemoteLicCode.lic.

After receiving the file with the commuter licenses, the Client starts the **ISD License Manager** again and activates the **Install Remote Authorisation Code** tab.

icense Mana		
L	cense Activator Standalone License Info Commuter License Remote Locking Code Install Remote Authorisation Code HICAD Konfiguration HELIOS Konfiguration Revoke Server License	ense
	Remote authorisation	
	O Enter remote authorisation code	
	Remote authorisation code	
	Read authorisation code from external file	
	Head auronsation code from external rile Remote authorisation file	
	C.VUsers/ups/Code.lic	
	Install remote commuter license	
-		

Now the Client can install the received commuter licenses directly via file selection or via copying of the file contents. Click the **Install Remote Commuter License** button to install the Commuter Licenses on the Client.

Info		×
	Installation successfully completed.	
	ОК	

After successful installation, the Client must switch to the Standalone License Info tab.

New license information Licenses issued by : ISD Software und Systeme GmbH Licenses issued by : ISD Software und Systeme GmbH Licenses issued to: Image: Comparison of the system of the sys	C:VProgramDataVSD Software und SystemeVSDLizenz\1JS4NEK73N8DJAB Activate License information Licenses issued by : ISD Software und Systeme GmbH Licenses issued to: Modules Version [002] HELOS ERP Connect 2893.0 [108] Unigraphics Write 2893.0 [108] Unigraphics Write 2893.0 [103] HELOS Sould Client 2893.0 [104] HELOS Sould Tue Mar 31 2359.59 2023 [105] HELOS Sould Client 2893.0 [106] HELOS Sould Tue Mar 31 2359.59 2023 [107] HELOS Vault Client 2893.0 [108] Unigraphics Write 2893.0 [109] HELOS Sould Client 2893.0 [100] HELOS Sould Tue Mar 31 2359.59 2023	License Activator Standalone License Inf		,			
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To update, the Client must click on the **Activate** button. The information which licenses are installed locally on the computer will then be provided to the Client.

License Configuration

Some cases may require the use of only certain specific licences on a computer. Example: On the Server HELiOS Office and HELiOS Engineer licenses are available. On one Client, HELiOS is to be started with a HELiOS Office license; on another Client, with a HELiOS Engineer license. If the selected license is no longer available, an application start is no longer possible.

If there are several basic modules in a standalone (workstation) license (to which also the Commuter Licenses belong), it is mandatory to make a pre-configuration and save it as workstation configuration. If no pre-configuration is possible, the HELiOS configuration tab will be displayed before the start of HELiOS. If the selected configuration does not match the available licenses, a warning message will be issued, with a list of available licenses. After this, the configuration selection will be displayed again.

ISD License Mar	nager 4.0		<u> </u>	×
Tools				
	License Activator Standalone License Info Commuter License Remote Locking Code	Install Remote Authorisation Code HiCAD Konfiguration	HELIOS Konfiguration Server Monitor	
	Display available modules for: Network (server) License Standalone (workstation) license 			
5	Module structure HELiOS Viewer HELiOS Office HELiOS Engineer HELiOS Trainee suite			
	Workstation Configuration User Configuration			
I·S·D				

On the **HELiOS Configuration** of the **ISD License Manager** tool you have the option to save a workstation or user configuration for individual Clients.

- Save as workstation configuration: This configuration will be saved for all users of this computer. When HELiOS is started, the selection window is no longer displayed (administrator rights are required for this).
- Save as user configuration: This configuration is only saved for the current user. When HELiOS is started, the selection window with the saved configuration is always displayed.

These license configurations apply to network licenses and standalone (workstation) licenses.

Licence selection with parallel product start

If you start several applications without licence selection (e.g. without workstation configuration) one after the other, the system checks whether a licence selection dialogue is already displayed in another application. If this is not the case, the dialogue is displayed.

If another licence selection dialogue is already displayed, then you will receive the following message:

HELIOS	X	
A license selection dialogue is already displayed in another application. Please confirm the desired license selection there first and then choose "Repeat" to continue with the start of the current application.		
Repeat Cancel		

The Repeat button checks whether another licence selection dialogue is started at the same time. If yes, the same information dialogue appears again. If not, the start (and possibly the display of the licence selection dialogue) is continued.

Use the **Cancel** button to end the start of the application.



Please note:

If no licence could be reserved for the HiCAD integration module, only viewing functionalities are available in the HELiOS, regardless of the selected basic module.

Server Monitor

With the ISD License Manager tab **Server Monitor** you are allowed (as far as you are able to execute ISD License Manager) to view detailed information as follows:

- Listing of available modules with module description (e.g. "Element Installation"). Relevant is the License Server which the user is connected with.
- Apart from the module description, the maximum amount of available licenses as well as allocated licenses is displayed.
- You can open up the available modules and here the users using the respective license are displayed.
- The listing of users using a license also shows which user is connected with the License Server and which user uses a Commuter License.

By listing the licenses you can easily see who blocks licenses and, for example, easily speak to them in case if you need a license.

In the installation program, the tab Server Monitor is activated by clicking on the option Activate license administration tools.

License Activator	Standalone License Info	Commuter License	Remote Locking Code	Install Remote Author	risation Code	HICAD Konfiguration	HELIOS Konfiguration	Server Monitor
		commuter License	Remote Locking Code	Install Remote Addio	risauori coue	HICAD Korniguration	HELIOS Korniguration	Server Hornton
▲ SRV001 (149.1								
	D Spooler , Version 28							
	D Classic , Version 289							
	D Creator , Version 28							
	D Solution , Version 28							
Client :		Host : Test-10		09.2022 08:18:16	Commuter			
Client :		Host : DE73		09.2022 08:17:08	Commuter			
Client :		Host : DE55		09.2022 08:16:54	Commuter			
Client :		Host : P62		09.2022 08:16:30	Commuter			
Client :		Host : DE49		09.2022 08:15:27	Commuter			
Client :		Host : DE57		09.2022 08:14:21	Commuter			
Client :		Host : DE36		09.2022 08:13:57	Commuter			
Client :		Host : DE16		09.2022 08:00:46	Commuter			
Client :		Host : Test-11		09.2022 07:58:20	Commuter			
	Tester:1	Host : Test-04		09.2022 07:50:14	Commuter			
Client :		Host : DE28		09.2022 07:42:33	Commuter			
	Tester:1	Host : Test-02		09.2022 07:37:32	Commuter			
Client :		Host : DE64		09.2022 07:30:01	Commuter			
Client :		Host : DE53		09.2022 17:33:33	Commuter			
Client :		Host : DE68		09.2022 17:31:31	Commuter			
Client :		Host : DE62		09.2022 16:44:56	Commuter			
Client :		Host : DE04		09.2022 14:59:22	Commuter			
Client :	MM:1	Host : DE21	Start : 23.	09.2022 08:03:56	Commuter	: False		
[067] SDN	F, Version 2899.0, (17	/100)						
[068] NCX	, Version 2899.0 , (17 ,	(100)						
[069] HELi	OS Dokumentenverwal	tung , Version 289	9.0 , (0 / 100)					
▲ [070] HELi	DS Viewer, Version 28	99.0 , (1 / 100)						
Client :		Host : DE16		09.2022 08:00:47	Commuter	: False		
[071] HELi	OS Bauteile- und Stück	listenmanagement	, Version 2899.0 , (0)	(100)				
	OS Maskeneditor , Vers		00)					
[079] HELi	OS Office , Version 289	9.0 , (7 / 100)						
[080] HELi	OS Engineer , Version 2	899.0 , (0 / 100)						
	OS Engineer , Version 2							
Client :		Host : P62		09.2022 08:16:31	Commuter			
Client :	SG:1	Host : DE49	Start : 24.	09.2022 08:15:27	Commuter	: False		
Client :		Host : DE36	Start : 24.	09.2021 08:13:57	Commuter	: False		
Client :	HM:1	Host : DE16	Start : 24.	09.2022 08:00:47	Commuter	: False		
Client :	ap:1	Host : DE28	Start : 24.	09.2022 07:42:33	Commuter	: False		
Client :	IS:1	Host : DE62	Start : 23.	09.2022 16:44:56	Commuter	: False		
Client :	BD:1	Host : DE66	Start : 23.	09.2022 14:01:53	Commuter	: False		
Client :	qs:1	Host : Q5	Start : 23.	09.2022 09:08:13	Commuter	: False		

Theft of a Workstation

The user is responsible for appropriately insuring the HELiOS workstations against theft. If desired, we can tell you the reinstatement value of your software. If a workstation is stolen, you will need a new license. In such cases, please send us the police report of the theft first. We will then provide you with a license for a limited period of time, and submit an offer for a new license to you. The ISD will send you the new license after clarification of the case with your insurance and receipt of your payment for the license fee.

First Steps

- HELiOS at a Glance
- Start HELiOS
- What's New in Version 2023?

HELiOS at a Glance

On the way to the finished product, invested time, spent costs and product quality can only be optimised if all departments of a company cooperate efficiently. This requires a well-structured and efficient exchange of information between the parties involved in the production process - from Manufacturing, Purchasing and Service to Marketing and Sales.

HELiOS is a state-of-the-art PDM/PLM system providing all essential tools for an error-free gathering, management and distribution of the data required for the production process chain. Once saved, these data can be re-used within the entire company and for the complete product life cycle. HELiOS manages and controls all process cycles by regulating and monitoring the processing and transfer of these data.

By combining Product, Process and Peripherals Management in a single system, HELiOS becomes the central "knowledge reservoir" of your company and guarantees transparent and secure processes.

HELiOS can be interfaced with your CAD system or used as a stand-alone system, the so-called HELiOS Desktop - either as a single workstation or at different locations.

Thanks to its modular structure, HELiOS can be optimally adapted to company-specific requirements.

Start HELiOS

Start the HELiOS Desktop by double-clicking on the HELiOS.EXE file in the \HELiOS\exe directory or via the HELiOS

icon 😕 on the Desktop of your computer.

Default setting is the project-independent start. Please note that the list view in the right-hand window will not be shown when you start HELiOS Desktop for the first time. Select a project first and display the list view via **View** and then **Lists**.

If you have not closed HELiOS correctly during your last session, you will receive an error message from the Vault Server.

To make the best possible use of the numerous new features and enhancements offered by HELiOS, check out the videos explaining the new and changed HELiOS functionalities. From now on we will provide you with such videos with each Major Release and Service Pack to keep you constantly informed in the best possible way.

You can configure the display of the **News window** at the bottom left. Please note that you can configure the display of the News window at the bottom left. We recommend using the **Show most recent news** option to ensure that you will never miss any news about HELiOS. If you selected the **Show never** option, you can call the News window again

at any time and change the display option by clicking on the

symbol at the top right and selecting **Show news**.

Login

The HELiOS User Management is based on the User Management of Windows. If several users are registered with the same Windows User Name in EDBSETUP, a login mask will appear when starting HELiOS Desktop.

Login/Logout	
Administrator	
PDM-Administratoren	-
- Active project	
Project-independent	🏮
- Active folder	<u> </u>
Folder-independent	🞾
– Settings —	
13	ND LOGIN

Name and active group enable the user to login with the rights guaranteed by the User Management.

If you select a project from the Active project drop-down list, this project will be opened after starting HELiOS Desktop. If you select the project-independent setting, all documents will be displayed.

Start the HELiOS Desktop with Login.

To ensure that a specific project will be opened after starting HELiOS Desktop, you need to specify a Start Project. On the Ribbon, activate the Tools tab, then select Options, activate in the dialogue the General tab and choose a start project.

Switch user

unction for a renewed login while working with HELiOS Desktop, e.g. to work with dif-Use the Switch user ferent rights without having to exit the program.

Activate the **Switch user** function via the QuickAccess toolbar. Select a different user. Change the active project if required and confirm the new settings with Login.

What's New in Version 2023?

An extensive overview of all changes and enhancements of HiCAD 2023 can be found in the **What's new?** topic of the Help. You can also click on the NEUO button in the Help.

An overview in PDF format will be displayed if you click on the PDF button.

How to Use the Help

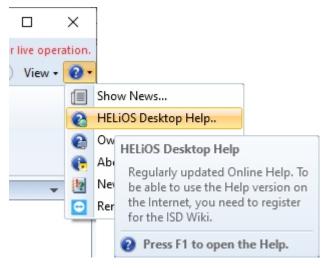
The Online Help provides you with information, descriptions and examples on all functions and techniques which are available in HELiOS.



The scope of available functions may vary, depending on the configuration of your HELiOS product. This means that some of the functions described in the Online Help may not be available in your version.

The Help is available both locally (status of the installation DVD) and on the Internet (regularly updated) at help.isdgroup.com. Both versions of the Help can be called from HELiOS.

Click on the V button to call the HELiOS Help.



Choose \ge > HELIOS Options to determine which version of the Help will be used.

Please note:

If you move the cursor over a function on the Ribbon and press the F1 key, the Help page for that specific function will be displayed.

To be able to use the Internet version of the Help, you need to register for the ISD customer portal once. This will not only give you access to the new Help, but also provide you with many other information which will be made available shortly in the ISD Wiki (Forum, Download area etc.)

Click **Sign up** in the login window of the Online Help to register. If you have already been registered, enter your access data and click **Login** to get directly to the start page of the Online Help.

Login			
Userna	ne *		
Passwo	rd		
>	Login		
Forgot	assword?		

After clicking **Sign up** in the Login window of the Online Help, enter the data required in the dialogue window. Confirm the security prompt and click the **Sign up** button.

Create ISD account

You are a new user?

Simply fill out the form below and click on Register in order to access the desired ISD Group services.

Password policies: Your new password has to be between 8 and 16 characters long. We recommend that you use additional characters for increased security. Assigning the username as password poses a security risk and should be avoided.

Company / Educational institution*	Customer number		
Salutation*			
- ~			
First name*	Last name*		
Postal code*	Country*		
Phone number*	E-mail address*		
Password*	Confirm password*		
By creating an ISD account you agree to the ISD Group's			

an ISD account you agree to the ISD Group's **privacy policy**.



Required fields are marked with a * (star).

After successful registration the dashboard will be displayed. A message indicates whether you have been authenticated as an ISD customer.

If you could be identified as an ISD customer, you can now directly launch the Online Help using your registration data. In addition, you will have access to all important information.

If you could not be identified as an ISD customer, an account will be created, but not all information available for customers will be unlocked. If you are a customer, please perform the steps described in the message so that we will be able to unlock your account for all available content.

🖺 Important:

By default the Online Help has been selected after installation. If you prefer using the local Help, start the Installation Wizard again and click on the HELiOS Help button.

Hotline

Even after implementation, the support team of the ISD ensures competent support of their customers. Besides support over the phone, all current means of communication such as Fax, E-mail and Internet can be used. If any problems could not be solved in this way, our staff in all our offices will be there to help you at your company if required.

	Germany	Netherlands	Austria	Switzerland		
Phone	+49 (0)231 9793- 166	+31 (0)73 6153-888	+43 (0)732 21 04 22-28	+41 (0)32 624 13- 47		
E-Mail	support@isdgroup.com					
Service hours	From Monday to Thursday: between 8:00 am and 5:00 pm On Friday: between 8:00 am and 3:00 pm	From Monday to Fri- day: between 8:00 am and 5:00 pm	From Monday to Thursday: between 8:00 am and 5:00 pm On Friday: between 8:00 am and 3:00 pm	From Monday to Thursday: between 8:00 am and 5:00 pm On Friday: between 8:00 am and 3:00 pm		

If all lines are busy, a voice mail system will be activated, allowing you to leave a message. Our staff will call you back as soon as possible. If a line becomes available during the recording of your message, your call will be accepted immediately. It is our ambition to solve your problems as quickly as possible and let you have the solution via phone or E-mail. A problem diagnosis will be made on the spot, and the existing problem will be dealt with and eliminated as fast as possible.

In cases where your problem cannot be solved immediately, we will call you back after analyzing the situation. Depending on the level of difficulty our Hotline will also bring in the Development department.

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