

HELWIOS

2016

Installation Notes

System requirements
Installation guide
Licensing
Update Information
First Steps

THE WORLD OF CAD AND PDM SOLUTIONS

UNLIMITED PERFORMANCE



Legal notes

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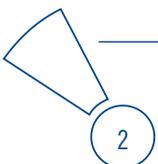
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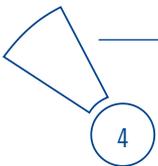


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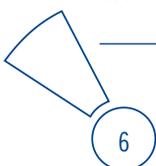


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1 Important Installation Information

Please note:

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.

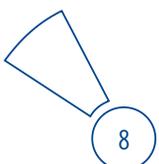
1.1 Hardware Requirements for HELiOS

For the installation of HELiOS you may use any hardware possessing current drivers for the operating systems used. Please note, for instance, that the graphics card drivers need to support the complete OpenGL instruction set.

Hardware requirements (minimum)	
Processor (CPU):	Pentium 4 compatible processor with SSE2 support
RAM:	1 GB RAM
Graphics card:	Fully OpenGL capable graphics card with at least 128 MB memory (if the error message Set Pixel Format failed is displayed during program start, the OpenGL driver does not support the entire instruction set). You can use the OpenGLCapabilityTester to check whether the OpenGL capabilities of your computer are sufficient. This tool is available for download in the ISD Wiki at FAQ > System Requirements > HiCAD .
Operating system:	see Compatibility Matrix
Database systems:	see Compatibility Matrix

Recommended hardware for simultaneous HiCAD operation	
Computer:	Fujitsu CELSIUS M740
Processor (CPU):	Intel® Xeon® Processor E5-1630 v4 (4 Cores, 3.70 GHz, 10M Cache)
RAM:	2 x 8 GB, DDR4, 2.133 MHz, rg ECC
Hard disk:	1 x 512 GB, SSD SATA III Premium bay, 2,5 inch
Graphics card:	NVIDIA Quadro K2200 (4 GB)
Screen resolution	Full HD (1920x1080)
Operating system:	Microsoft Windows 8.1 (64 Bit)
Database systems:	see Compatibility Matrix

- » **Microsoft .NET Framework** and **Visual C++ Runtime Libraries** need to be installed on the computer before HELiOS can be used; these packages are installed by the HELiOS installer if necessary.
- » To be able to work with HELiOS, a database system must be available and 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) for the installation of the database system and the import and export of the database can be found in the Wiki at **Product Know-how > Documentation > HELIOS**.

- » Current information on system requirements can also be found on the Internet at www.isdgroup.com > **Support > ISD Wiki > Product know-how > FAQ**.

1.2 System Requirements for HELiOS Database

As of HELiOS 2016 SP 2 you can use the following Server types as Database Servers (RDBMS):

- » Microsoft SQL Server, Versions 2008 - 2016
- » Oracle Database Server, Versions 11g R1 - 12c.

The requirements with regard to the hardware primarily depend on the specifications given by the respective RDBMS supplier (Microsoft / Oracle).

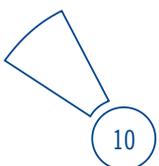
The following recommendations are meant to serve as a rough guideline:

Operating system	Microsoft Windows Server Version 2008 (64 Bit) or higher
Processor	Intel Pentium IV, Intel Xeon, AMD Opteron, AMD Athlon 64
RAM	At least 4 GB (with an increasing database size the RAM should also be increased to ensure optimum performance)
Mass storage device	Mass storage device: 10 GB available hard disk space (absolute minimum; the actual demand depends on the database size)
Graphics	Standard, SVGA or higher



Please note:

- **Virtual Servers are generally supported; it is important, though, that all requirements of the RDBMS suppliers are strictly observed. For performance reasons we recommend using native computers.**
- **For safety reasons domain controllers should not be used simultaneously as Database Servers or other Servers.**
- **The HELiOS Database Server, the HELiOS Vault Server and the ISD License Server can be installed and run simultaneously on one computer.**
- **For safety reasons the HELiOS Plot Spooler should not be run together with a HELiOS Database Server or a Vault Server on one computer.**



1.3 Hardware Requirements License Server

Processor (CPU):	x86 Processor for 32-Bit / x86-64 Processor for 64-Bit Recommended: 2 GHz Processor
RAM:	Minimum: 1 GB Recommended: 2 GB (with SQL Server: > 3 GB)
Hard disk:	1.2 GB free disk space
Operating System (Server)	Windows 10 Windows 8 Windows 7 (32 & 64-Bit) Windows Server 2016 Windows Server 2012 Windows Server 2008 (32 & 64Bit) Windows Server 2008 R2 (32 & 64Bit)
IP/MAC Address	A static IP address is required for an error-free operation of the license server. For virtual servers a static MAC address needs to be available.

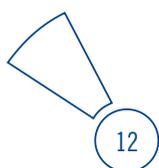


Important:

- **From HELIOS 2012 (Version 1700) onwards, the installation of a license server and another ISD product on the same computer is outside of warranty! The ISD strongly advises against using such constellations.**
- **A static IP address is mandatory for a proper functioning of the license server.**
- **A license server program needs not necessarily run on a fileserver system or on a special hardware server; suitable will be any computer fulfilling the above-mentioned requirements.**

1.4 Hardware Requirements Vault Server

Processor (CPU):	Pentium III-compatible processor, Minimum: 1 GHz
RAM:	Minimum: 1 GB, Recommended: 4 GB or more
Graphics Card:	VGA (no special requirements)
Hard disk:	For software: 100 MB free disk space For user data: Depending on the amount of data to be expected, plus backup memory of $\geq 100\%$ (distribution over several volumes/drives possible, redundant array of independent disks (RAID) for primary user data recommended)
Operating system (virtual servers also possible):	Windows 10 Windows 7 Professional Windows 7 x64 Professional Windows 8 Professional Windows 8 x64 Professional Windows Server 2008 SP2 Windows Server 2008 SP2 x64 Windows Server 2008 R2 x64 Windows Server 2012



1.5 Hardware requirements SmartSearch

See 1.3 Hardware Requirements Vault Server

1.6 System Requirements HELiOS Internet Server

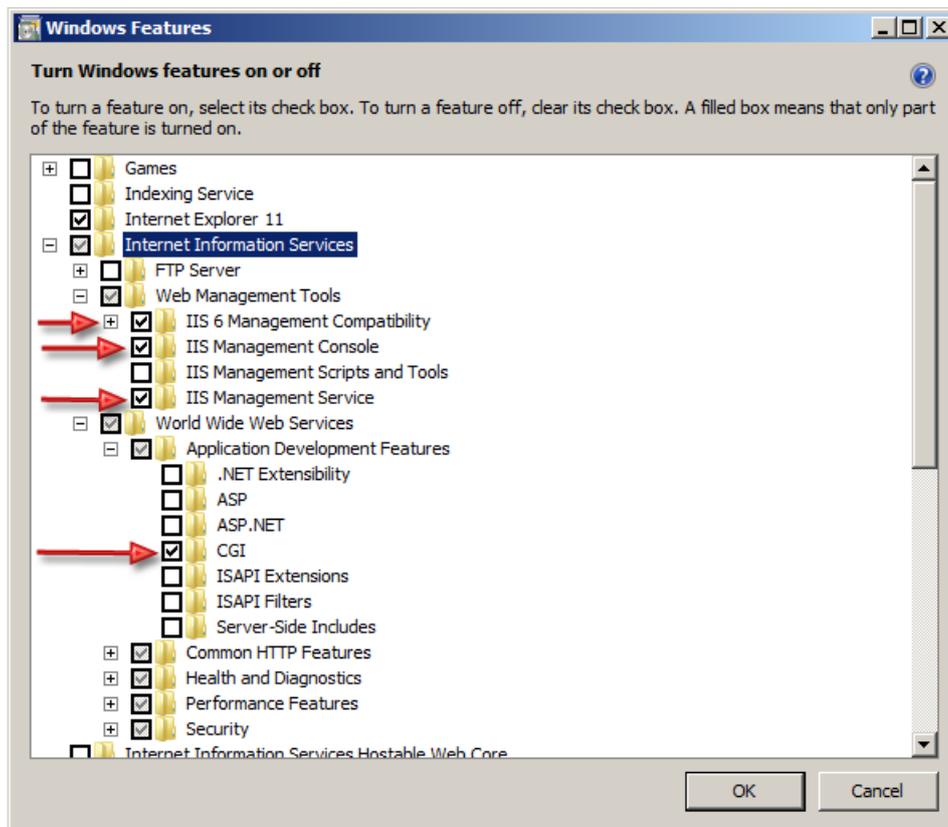
For the HELiOS Internet Server the same system and hardware requirements as for the HELiOS Desktop apply.

In addition, however, the installation of the Microsoft Internet Information Services (IIS) is required:

- » Microsoft Internet Information Services, at least Version 7, with CGI support. This is included as of Windows Server 2008/Windows 7, but requires a separate installation that needs to be performed **before installing the HELiOS Internet Server!!**

Proceed as follows (Example based on Windows 7):

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, choose **Internet Information Services > Web Management Tools**, and **Internet Information Services > World Wide Web Services > Application Development Features** and activate the checkboxes as shown below:



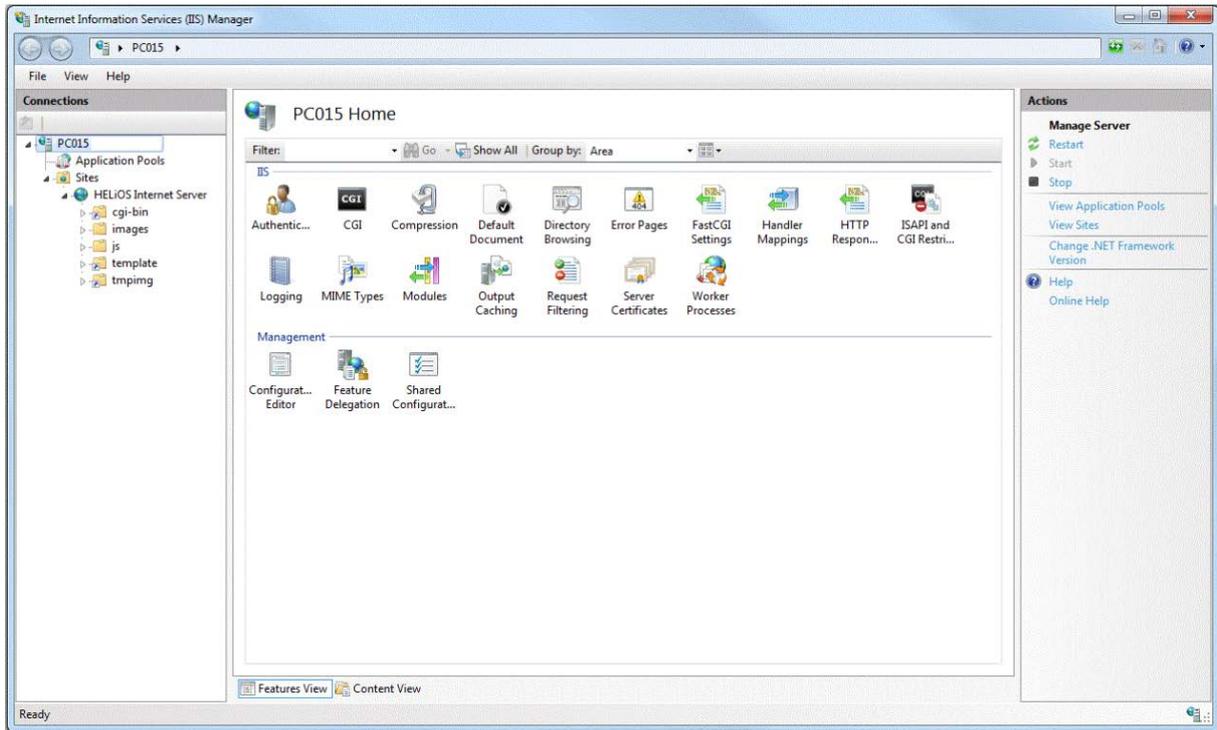
- » Furthermore, you require an installed HELiOS version.



Please note:

- The HELiOS Desktop on the same system must be running permanently, i.e. the login session must not be ended!
- A “Default Web Site” with Port 80 may already have been installed in the IIS Manager. In this case the HELiOS Internet Server (for which Port 80 has also been preset) cannot be executed properly. It is therefore recommended to remove this Default Web Site here (Control Panel > Administrative Tools > Internet Information Services (IIS) Manager. In the tree structure on the left hand side, right-click Default Web Site).

If a **required** website is already using Port 80, you need to select a different Port for the HELIOS Internet Server.



1.7 Hardware Requirements HELiOS Spooler

Important installation note!

As the HELiOS Spooler (as of 2015, Version 2000.0) is an entirely new software, an update of the old Spooler is not possible. Before installing the new HELiOS Spooler, please make a record of the old Spooler's settings, uninstall it, and then adjust the settings of the new Spooler accordingly.

Further information can be found in the HELiOS Online Help.

The system requirements for the Spooler are analogous to those of your CAD system. The RAM should be at least as large as those of the utilized CAD systems. The reason for this is that the Spooler may, besides its automation as a Plot Server, also be used for other tasks, such as conversion of HiCAD drawings (e.g. to 3D-PDF if HiCAD is the CAD system).

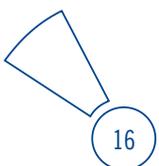
Besides the Client operating systems Windows 7, 8 and 10, the Server operating systems Windows Server 2008 or Windows Server 2012 can be used. Whether a Server operating system is to be used depends on the license conditions for the utilized Microsoft operating system. Here, the number of allowed, simultaneous device connections is decisive.

Windows 7 and 8 allow 20 simultaneous accesses. This is enough for 20 Print Clients provided that all of them had actually been started. Please note however that each connection from a non-workstation will reduce this number accordingly.



From HELiOS 2015 (Version 2000.1) onwards, the HELiOS Spooler will only be available as 64Bit version. Please note that the Spooler will then only support 64Bit applications.

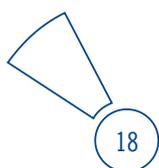
Recommended hardware for HELiOS Spooler in conjunction with HiCAD	
Computer:	Fujitsu CELSIUS M740
Processor (CPU):	Intel® Xeon® Processor E5-1630 v4 (4 Cores, 3.70 GHz, 10M Cache)
RAM:	2 x 8 GB, DDR4, 2.133 MHz, rg ECC
Hard disk:	1 x 512 GB, SSD SATA III Premium bay, 2,5 inch
Graphics card:	NVIDIA Quadro K2200 (4 GB)
Screen resolution:	Full HD (1920x1080)
Operating system:	Microsoft Windows 8.1 (64Bit)
Database system:	See Compatibility Matrix



1.8 Compatibility Matrix

	HELiOS			
	2016	2015	2014	2013
Windows XP	✗	✗	✗	✓
Windows Vista	✗	✓	✓	✓
Windows 7	✓	✓	✓	✓
Windows 8 / 8.1	✓	✓	✓	✓
Windows 10	✓	✗	✗	✗
Microsoft SQL Server 2000	✗	✗	✓	✓
Microsoft SQL Server 2005	✗	✗	✓	✓
Microsoft SQL Server 2008	✓	✓	✓	✓
Microsoft SQL Server 2012	✓	✓	✓	✓
Microsoft SQL Server 2014	✓	✓	✓	✓
Microsoft SQL Server 2016	✓ (as of SP2, on request also for SP1)	✗	✗	✗
Oracle Database Server 10g	✗	✗	✓	✓
Oracle Database Server 11g R1	✓	✓	✓	✓
Oracle Database Server 11g R2	✓	✓	✓	✓
Oracle Database Server 12c	✓	✓	✓	✓
HiCAD 2011	✗	✗	✗	✓
HiCAD 2012	✗	✗	✓	✓
HiCAD 2013	✗	✓	✓	✓
HiCAD 2014	✓	✓	✓	✗
HiCAD 2015	✓	✓	✗	✗
HiCAD 2016	✓	✗	✗	✗
AutoCAD 2011	✗	✗	✓	✓
AutoCAD 2012	✓	✓	✓	✓
AutoCAD 2013	✓	✓	✓	✓
AutoCAD 2014	✓	✓	✓	✓ (as of SP2)
AutoCAD 2015	✓	✓ (as of SP2)	✗	✗
AutoCAD 2016	✓	✓ (as of SP2)	✗	✗
AutoCAD 2017	✓ (as of SP2)	✗	✗	✗

	HELiOS			
	2016	2015	2014	2013
Inventor 2008	✗	✗	✓	✓
Inventor 2009	✗	✗	✓	✓
Inventor 2010	✗	✗	✓	✓
Inventor 2011	✗	✗	✓	✓
Inventor 2012	✓	✓	✓	✓
Inventor 2013	✓	✓	✓	✓
Inventor 2014	✓	✓	✓	✓ (as of SP2)
Inventor 2015	✓	✓	✓ (as of SP2)	✗
Inventor 2016	✓	✓ (as of SP2)	✗	✗
Inventor 2017	✓ (as of SP2)	✗	✗	✗
Solidworks 2008	✗	✗	✓	✓
Solidworks 2009	✗	✗	✓	✓
Solidworks 2010	✗	✗	✓	✓
Solidworks 2011	✗	✗	✓	✓
Solidworks 2012	✓	✓	✓	✓
Solidworks 2013	✓	✓	✓	✓
Solidworks 2014	✓	✓	✓	✓ (as of SP2)
Solidworks 2015	✓	✓	✓ (as of SP3)	✗
Solidworks 2016	✓	✗	✗	✗
CAE-SYSTEM				
EPLAN Electric P8 Version 2.4	✓ (as of SP1)	✗	✗	✗
OFFICE				
Office 2003	✗	✗	✗	✗
Office 2007	✗	✗	✗	✓
Office 2010	✓	✓	✓	✓
Office 2013	✓	✓	✓	✓
Office 2016	✓	✗	✗	✗



2 Installation

The DVD contains the installation files for:

- » HELiOS
- » Online Help
- » Vault Server
- » License Server
- » HELiOS Plot Management (Server Component Spooler)
- » HELiOS Internet Server
- » The HELiOS Database creator (to set up the HELiOS database for the very first time and import/export an existing database)

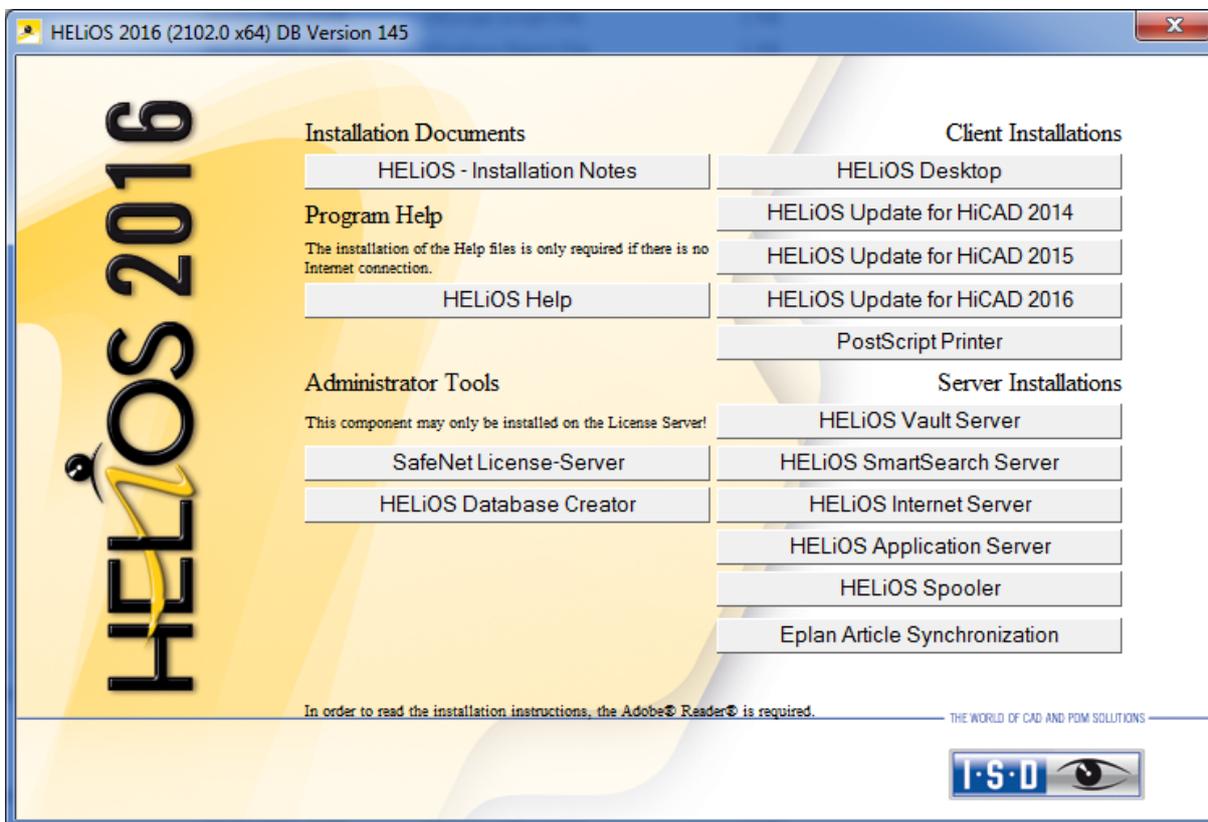
The HELiOS DVD has been developed for a use on Windows operating systems. When you insert the DVD, an installation wizard will be started automatically.



The HELiOS version needs to be installed on the hard disk of the computer; it is not possible to start the program from the DVD.

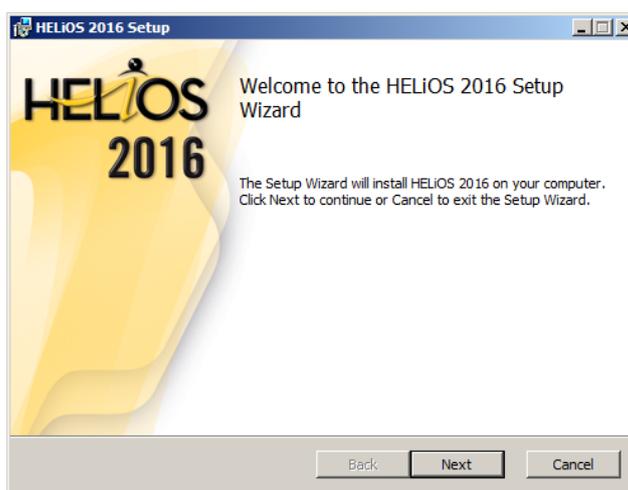
2.1 Installing HELiOS

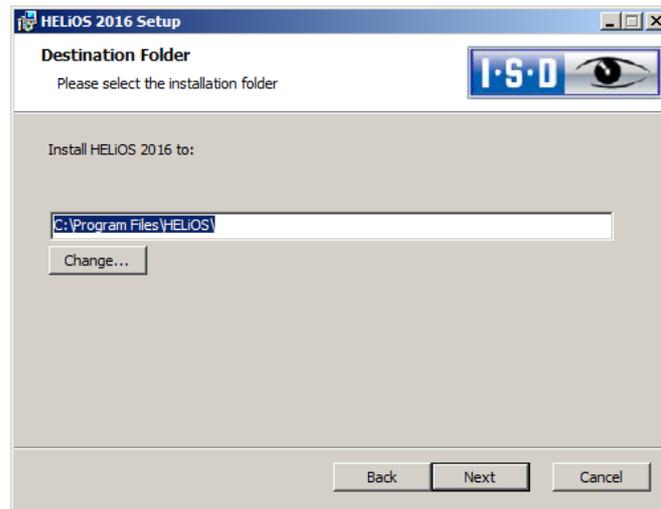
To install HELiOS, start Windows. If Windows is already open, close all other applications. Insert the HELiOS DVD in your DVD drive. The installation wizard will be started automatically. Follow the instructions on the screen.



Click the HELiOS button to start the installation of the HELiOS Desktop.

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 now if required.

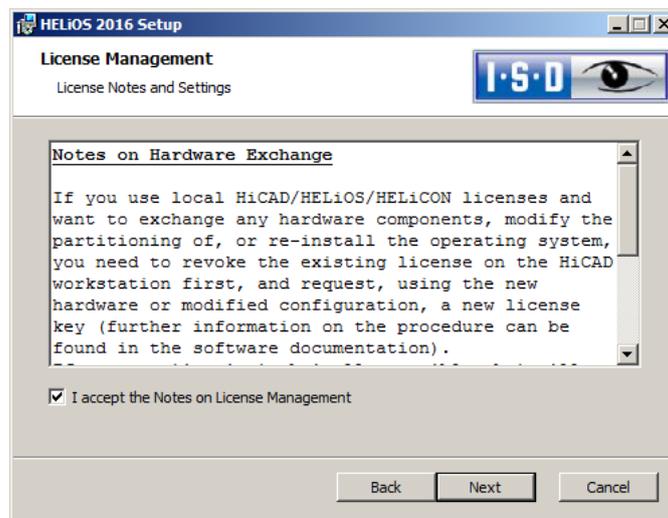




Select an installation directory.

In accordance with the current Microsoft guidelines, the HELIOS documents will be stored at C:\Users\Public\Documents\ISD Software und System\ after a new installation of the HELIOS Desktop. Only the Administrator has write permissions for the installation directory (..\ProgramFiles\..).

If you are working with the HELIOS Vault Server you can keep this directory. Otherwise, the path needs to be changed after installation and should then refer to a directory for which all users have read and write permission. Typically, this is a path to a shared directory on the network.



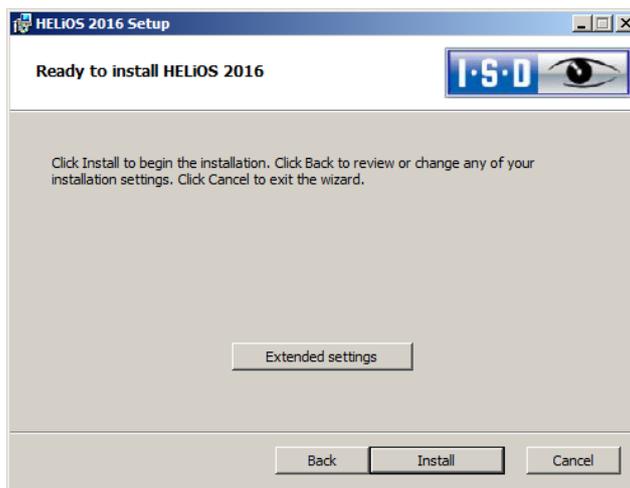
Please read the Notes on **Hardware Exchange** carefully.

Notes on Hardware Exchange

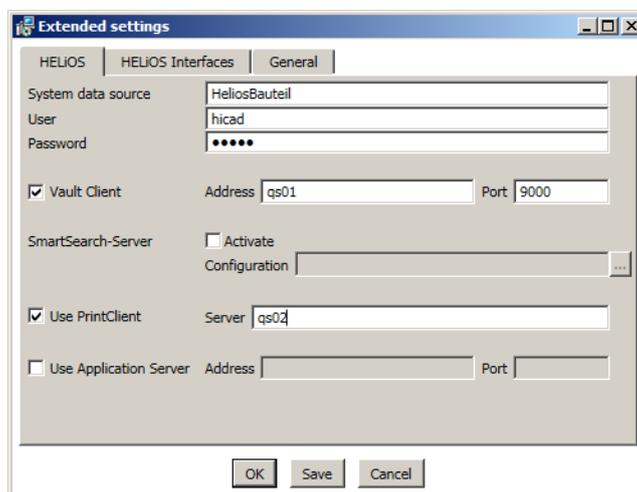
If you use local HiCAD/HELIOS/HELICON licenses and want to exchange any hardware components, modify the partitioning of, or re-install the operating system, you need to revoke the existing license on the workstation first, and request, using the new hardware or modified configuration, a new license key (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.



You can now start with the installation or modify the **Extended Settings**, e.g. for HELIOS.

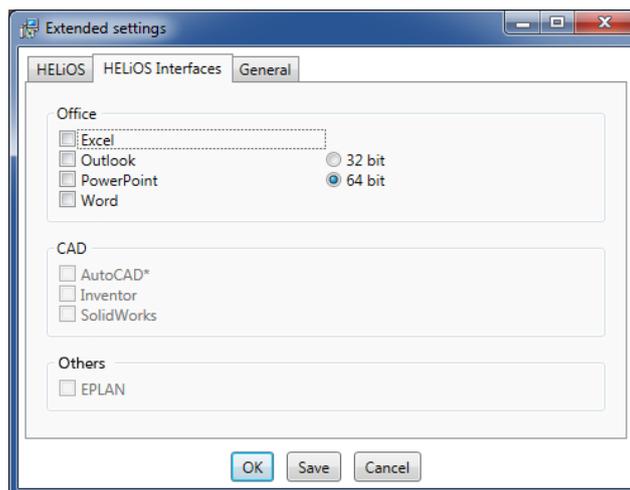


In case of a new installation you can specify an arbitrary name for the system data source. In case of an update, the existing data source will be offered. **User** and **Password** will be identical with the ODBC login.

If you use a Vault Server, activate the **Vault Client** 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 want to process your print jobs via the ISD Plot Management, you need to install one **PrintClient** on each workstation.

In the Server field, enter the network name of the computer on which the **HELIOS Spooler** is installed. The Spooler collects the print jobs and processes them according to your settings.



The availability of interfaces with HELiOS depends on the programs that are installed on your computer. You can only link 32Bit versions to HELiOS 32Bit versions, and only link 64Bit versions to HELiOS 64Bit 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 in Chapter 1.7. to check which interfaces to external software products are supported by HELiOS 2016.

When installing the CAD interface (AutoCAD, Inventor or SolidWorks) 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 **MultCAD.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**.

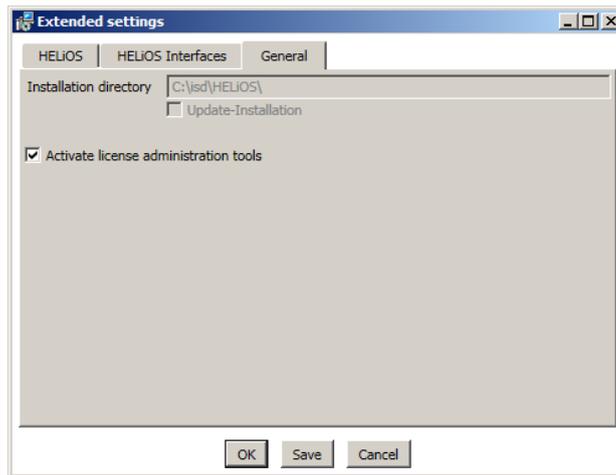


Please note:

- **The corresponding foreign software needs to be installed on the same system.**
- **When creating an interface between HELiOS and one of these systems, please make sure that the Bit versions of HELiOS and the external software are identical. Interfaces between a 32Bit and a 64Bit Version are not possible.**
- **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.**

Interfaces with foreign systems can also be added via the Windows Control Panel. Select **Start > Control Panel > Programs 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.

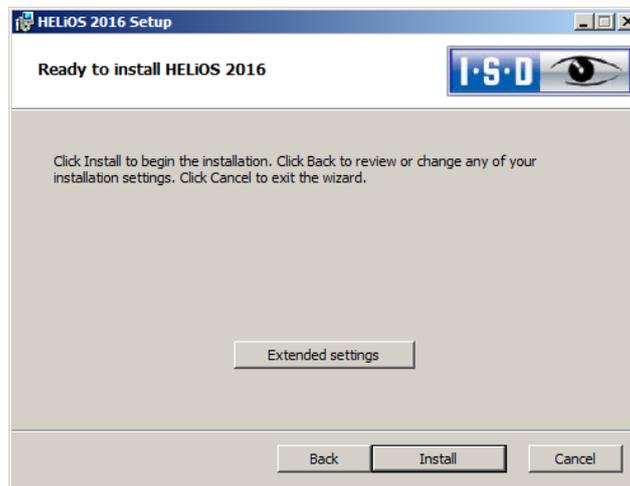
Further information, e.g. how to activate specific interfaces in the foreign software, can be found in the Online Help for HELiOS.



You need the License Administration Tools for the installation of server licenses.

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** and click **Install**.

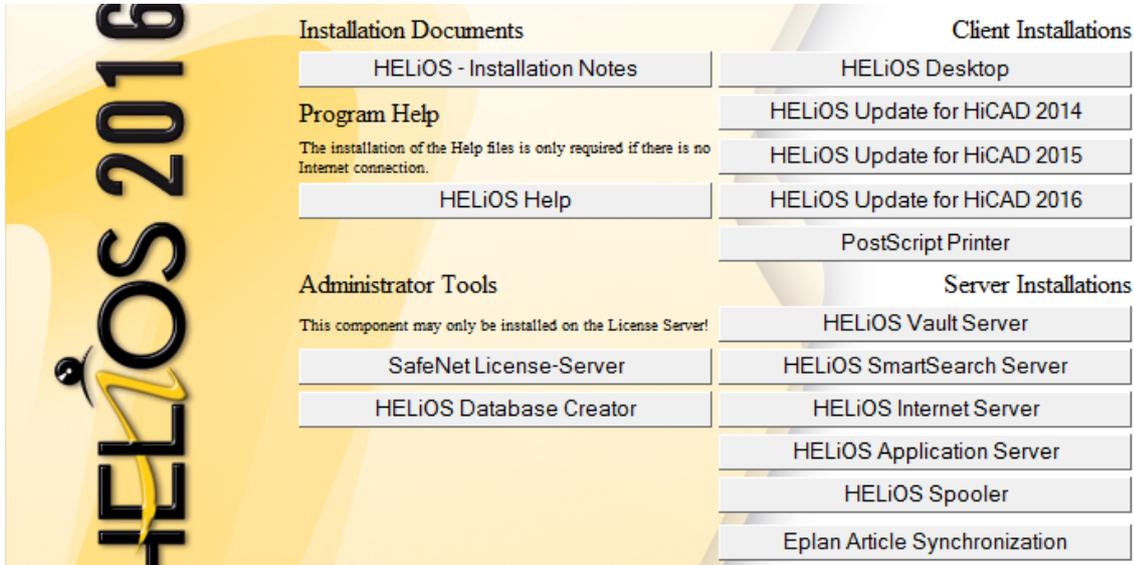


After successful installation, you will find the link to the **HELIOS Desktop** on the desktop for program launch.

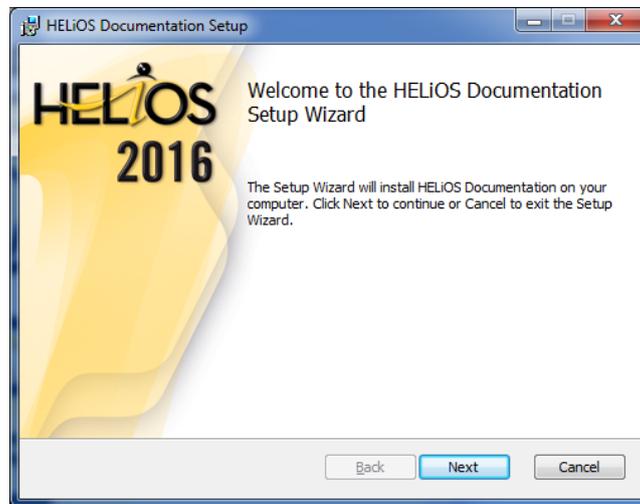
2.2 Installing the Online Help

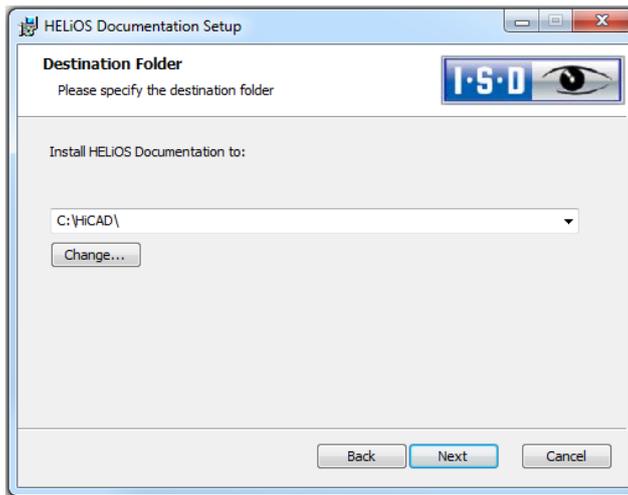
The Online Help is available locally (status of the date of installation DVD creation) and on the Internet (regularly updated) at help.isdgroup.com. Both versions of the Help can be directly started from HELiOS. Please note that corresponding login data are required to access the Internet version of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

Start Windows to install the Help. If Windows is already open, close all other applications. Insert the DVD in the drive, which automatically starts the installation wizard.

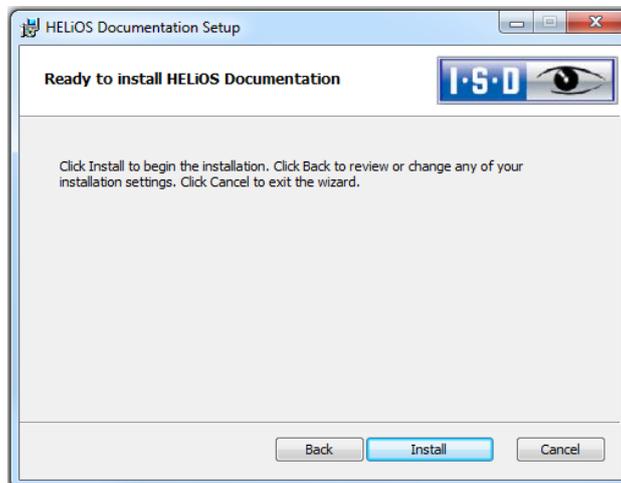


Click the HELiOS Help button.

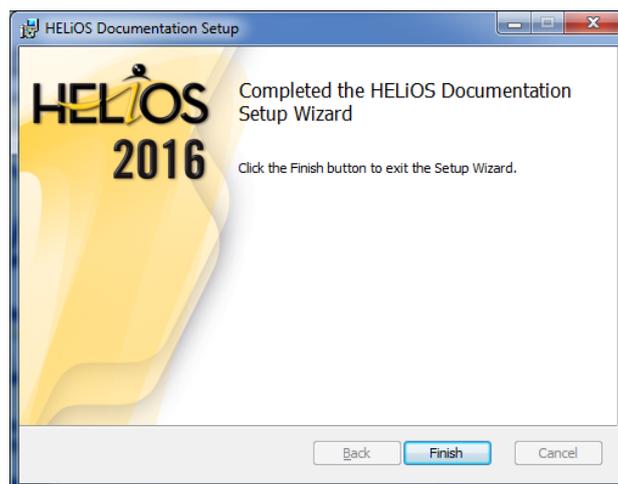




Specify the installation directory for HELiOS.



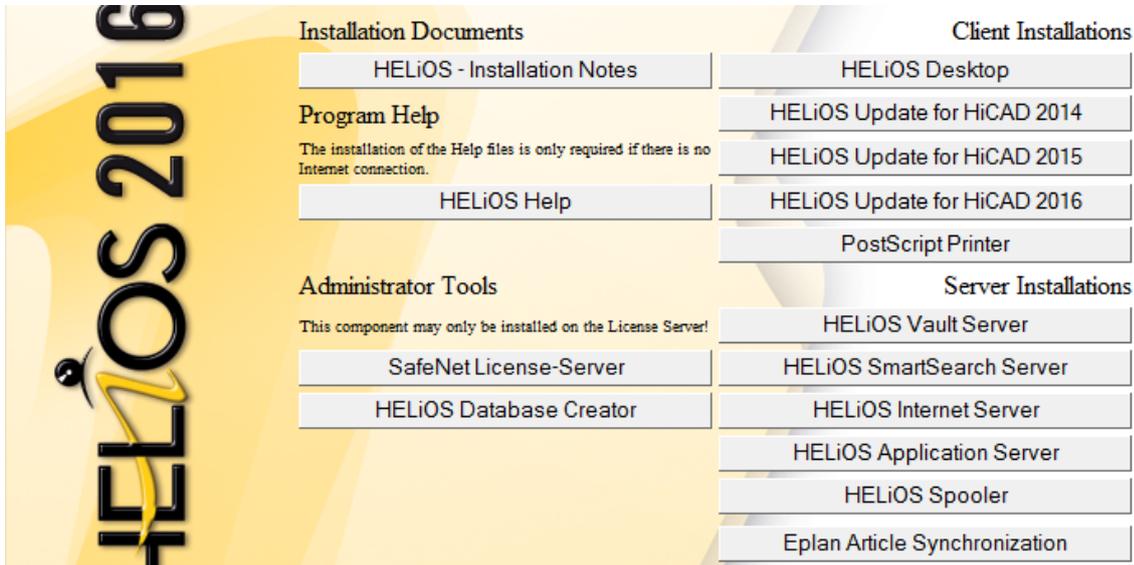
Click **Install**.



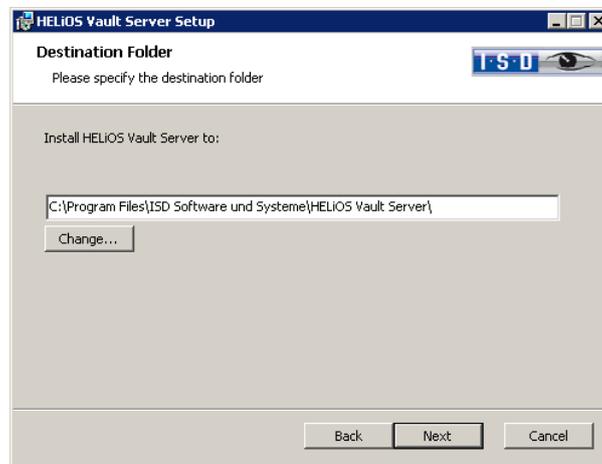
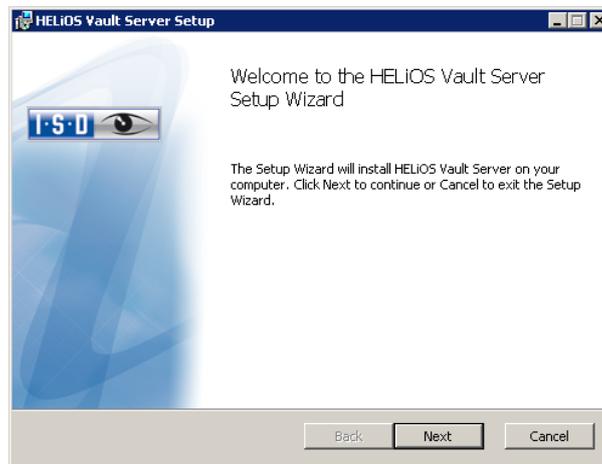
After successful installation, the Help can be found in the program folder and can be called via HELiOS.

2.3 Installing the Vault Server

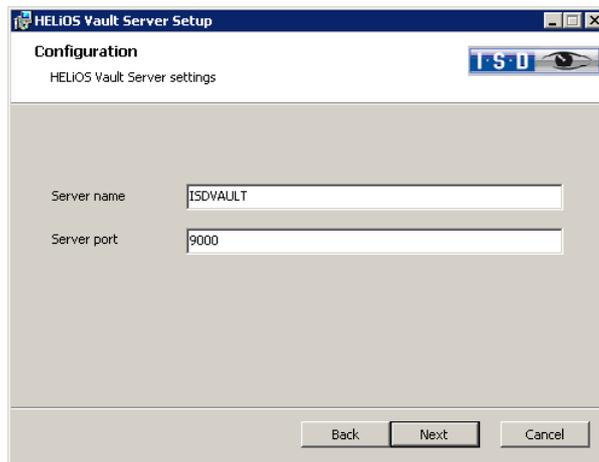
Start Windows to install the Vault Server. If Windows is already open, close all other applications. Insert the DVD in the DVD drive, which automatically starts the installation wizard.



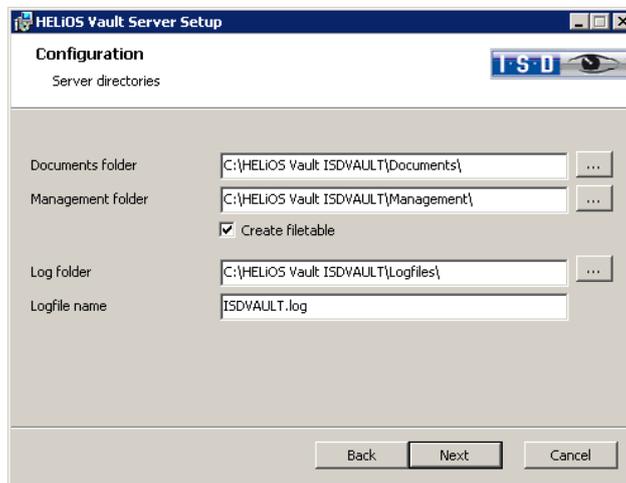
Click the **Vault Server** button.



Specify the installation directory of the Vault Server.



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**.

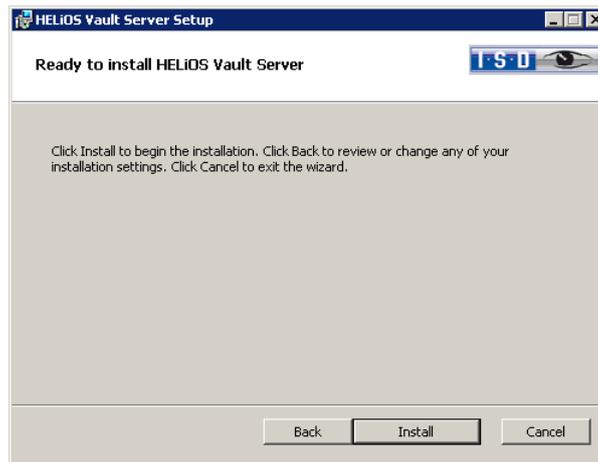


The Vault Server renames all documents that are managed in the database (e.g. SZA, DOC, XLS, ...) to *.VDF. These VDF files are saved to the **Document directory**.

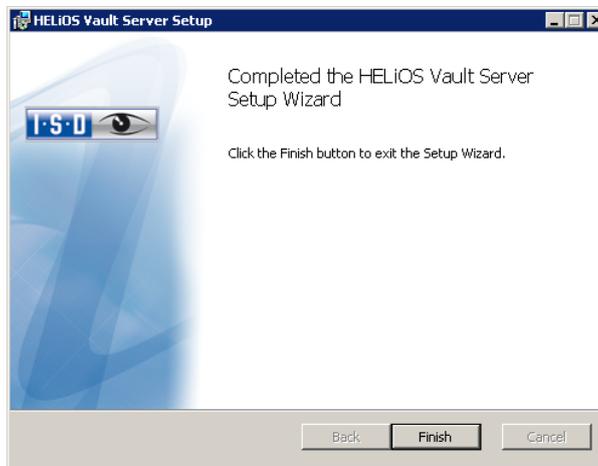
The files stored in the **Management directory** contain the assignments of the VDF file names to the “original file names”.

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.



Click **Install**.

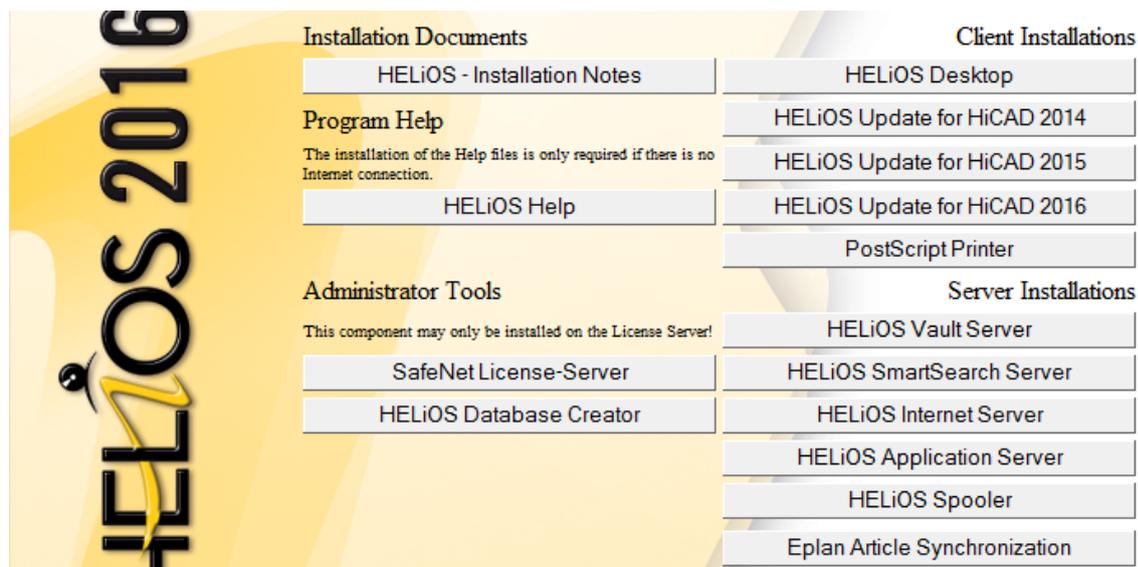


Click **Finish** to complete the installation of the Vault Server. You can now install further components offered in the selection mask if desired.

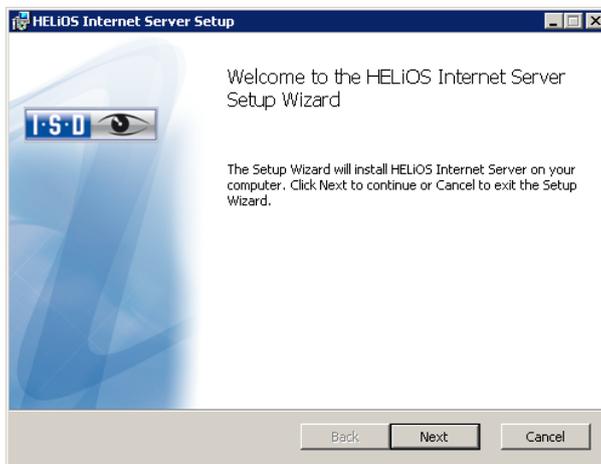
2.4 Installing the HELiOS Internet Server

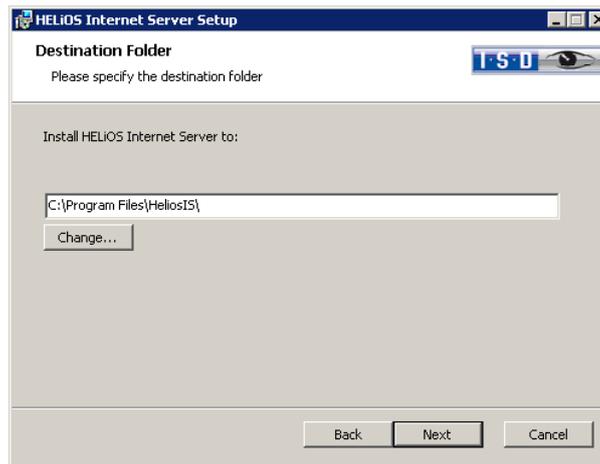
For the HELiOS Internet Server you require the Microsoft Internet Information Services, Services, at least Version 7, with CGI support. This is included as of Windows Server 2008/Windows 7, but requires a separate installation that needs to be performed **before installing the HELiOS Internet Server** (see Chapter 1.5)!

Start Windows to install the HELiOS Internet Server, first start Windows. If Windows is already open, close all other applications. Insert the DVD in the DVD drive, which automatically starts the installation wizard.



Click the HELiOS Internet Server button.

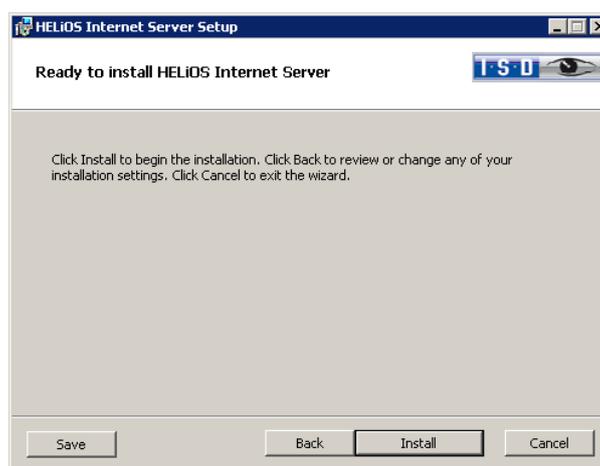




Specify the installation directory for the software.



Enter the **Port number**. Default value is 80. If you want the HELIOS Internet Server to run on a different Port (because Port 80 is already being used for a different website or application), enter this Port here and click **Next**.



Click **Install**.

After successful installation the HELIOS Internet Server will be located in the program folder.

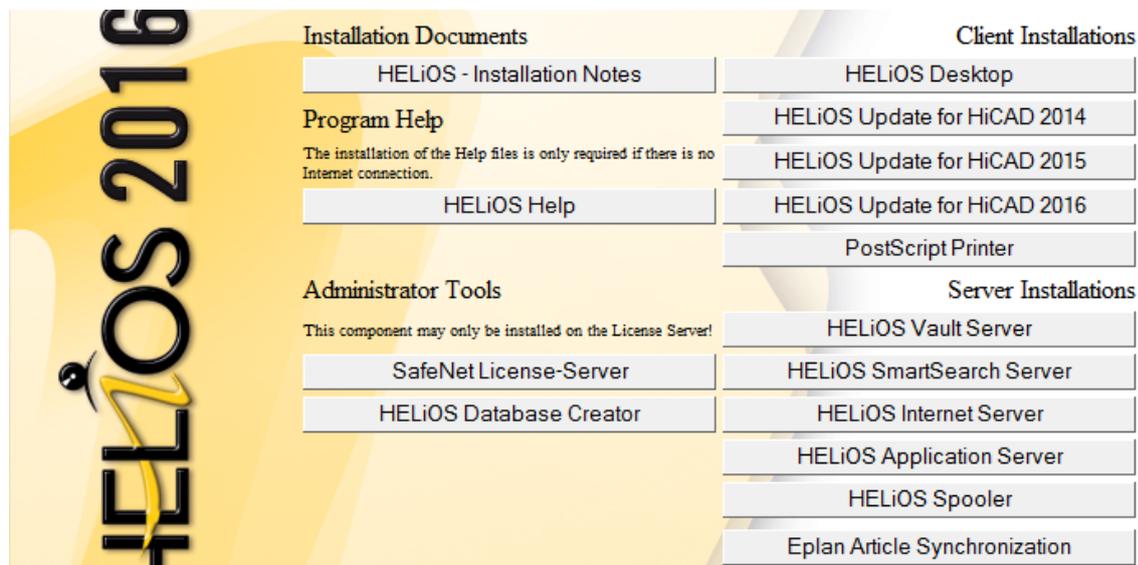
2.5 Installing the HELiOS Database Creator

The HELiOS PDM modules (Document Management, Project and Order 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.

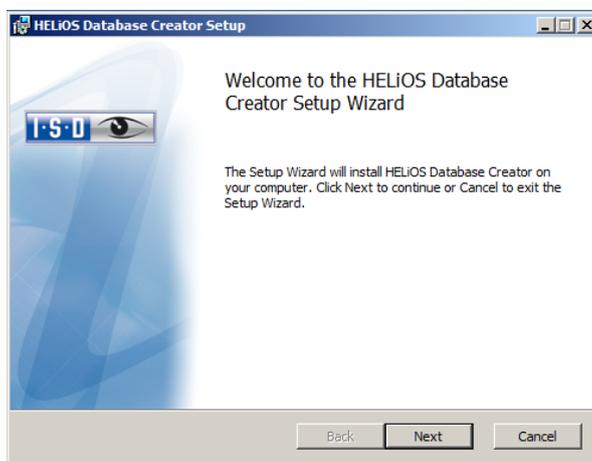
When you set up a HELiOS database for the first time, the **HELiOS Database Creator** needs to be installed and executed on the database server first. The database and table structures will then be created, and filled with data records of the HELiOS standard database.

 **All 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 in the ISD Wiki at Product Know-how > Documentation > HELiOS.**

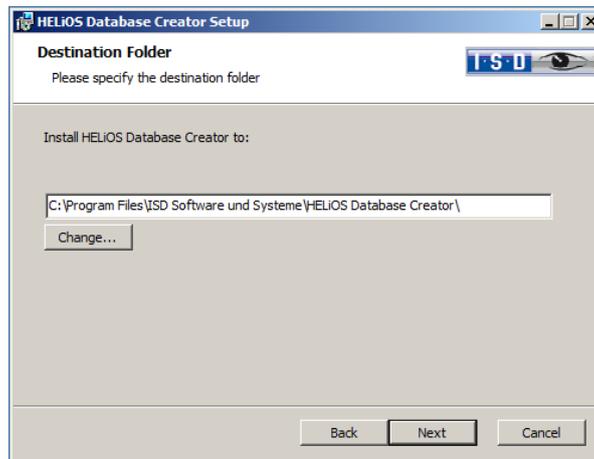
To install the HELiOS Database Creator, click the corresponding button in the selection mask. The start mask of the setup wizard will be displayed.



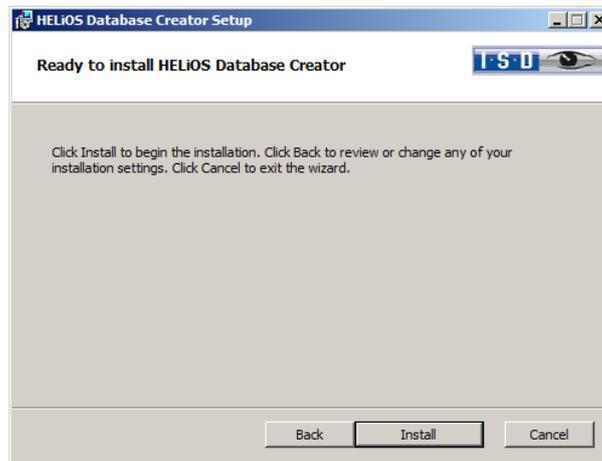
Click the HELiOS Database Creator button.



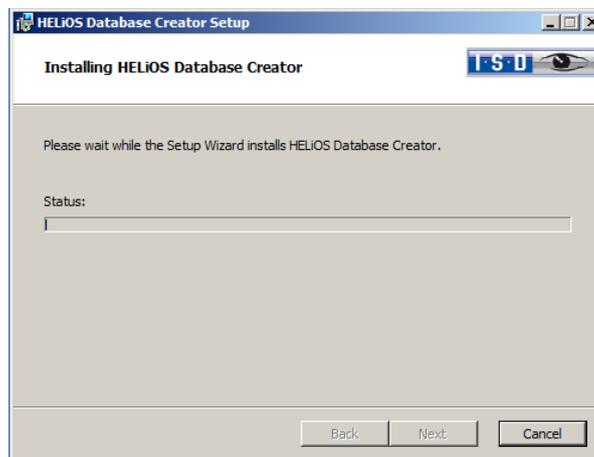
Click **Next** to start the installation.

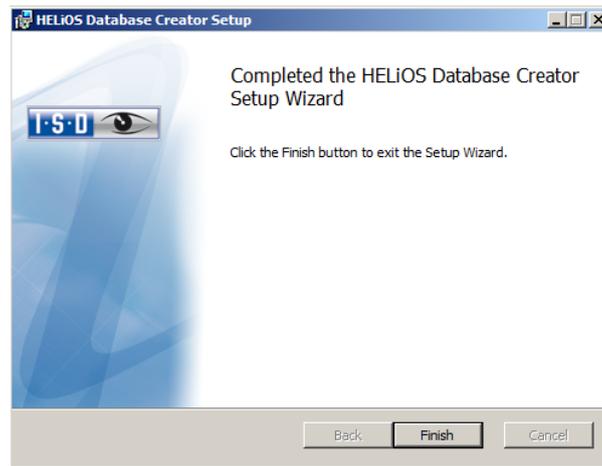


Specify an installation directory for the **HELIOS Database Creator**, and click **Next**.



Click **Install** to start the installation.





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

 **Extensive information on the installation of the SQL Servers, the operation of the HELIOS Database Creator tool and the setting up of the ODBC connection on the clients can be found in the Wiki at [Product Know-how > Documentation > HELIOS](#).**

2.6 Installing the HELiOS Spooler

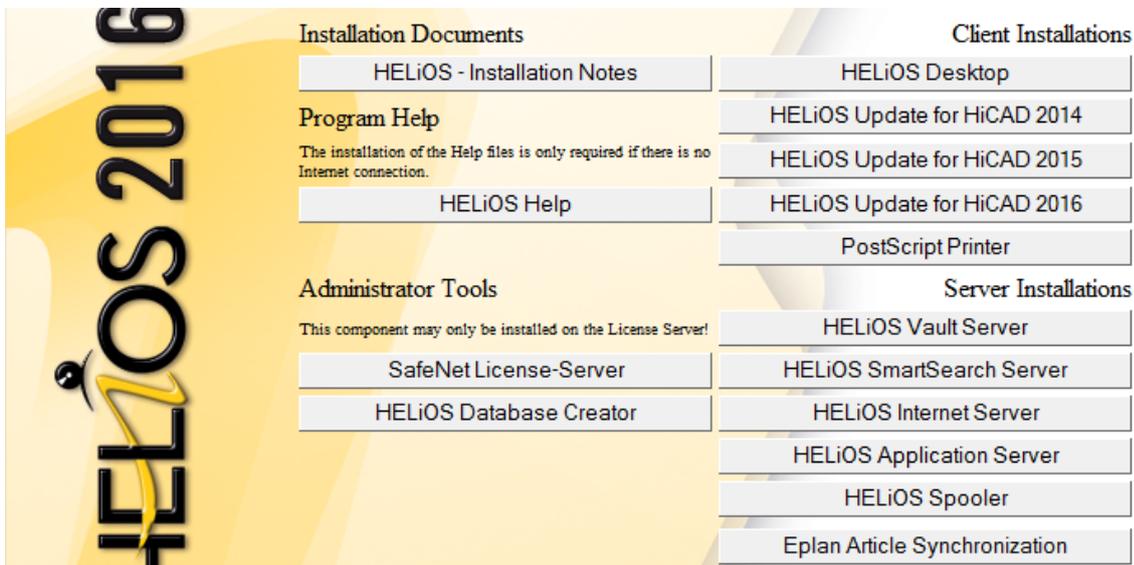
Important installation note!

As the HELiOS Spooler (as of 2015, Version 2000.0) is an entirely new software, an update of the old Spooler is not possible. Before installing the new HELiOS Spooler, please make a record of the old Spooler's settings, uninstall it, and then adjust the settings of the new Spooler accordingly.

Further information can be found in the HELiOS Online Help.

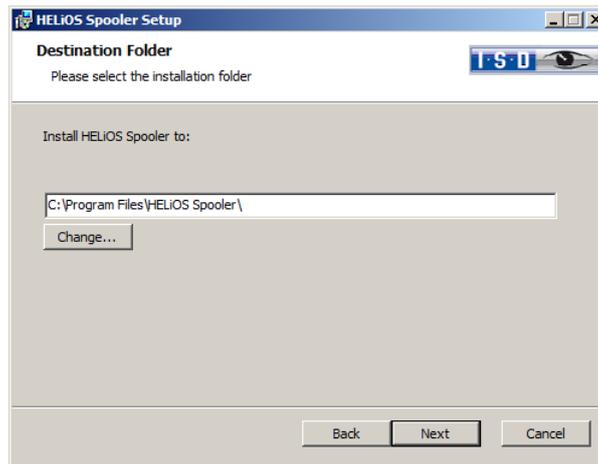
The HELiOS Spooler is only available as 64Bit version and only supports 64Bit applications.

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 selection mask for various software components will then be displayed. Leave this mask open, and install, one after the other, the required software components.

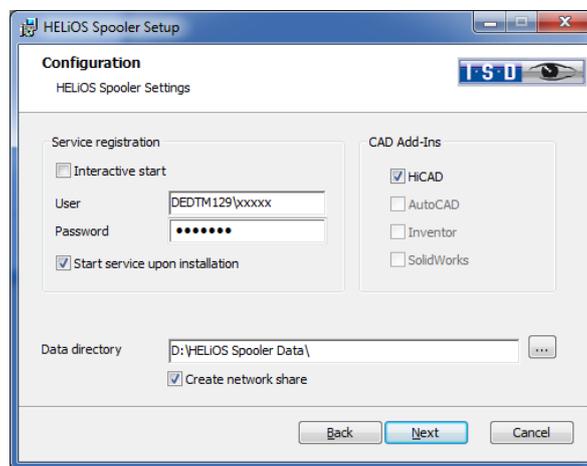


Click the HELiOS Spooler button.





Specify the installation directory for the software.



The Spooler start is in part performed 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, the Spooler will run, without access to any printers, as a simple Windows system service. Now, select **Control Panel > Administrative Tools > Services**. Right-click the **HELIOS Spooler** and select Properties. On the **Log On** tab, switch to **This account** and enter the user name and the password (Caution: Should the password of the Spooler user change or expire one day, the authentication needs to be renewed accordingly in the Services list. 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; currently this applies in particular to the interface with SolidWorks.

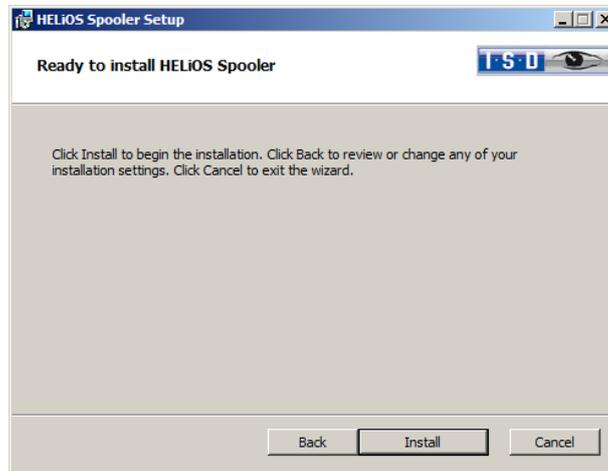
If you are considering using the HELIOS Spooler together with SolidWorks, we therefore recommend choosing the “Interactive start” option during installation in order to avoid problems. When this option has been selected, the Spooler will no longer be set up as a service, but will be started directly 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!)

To automatically start the Spooler in the “interactive” configuration, the Helios.Spooler.exe file needs to be called from the installation directory with the option “--no-service” – either from the “Autostart” folder of the

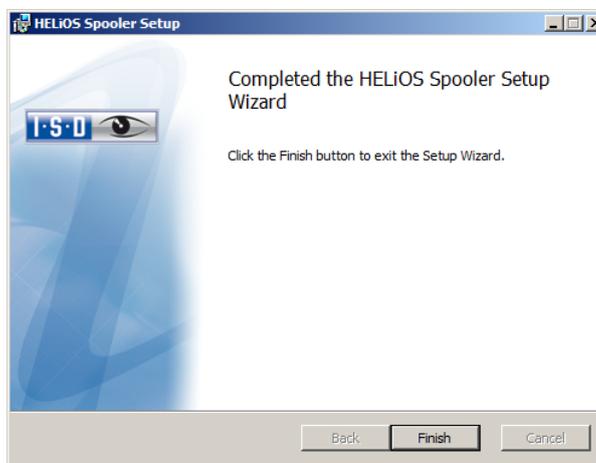
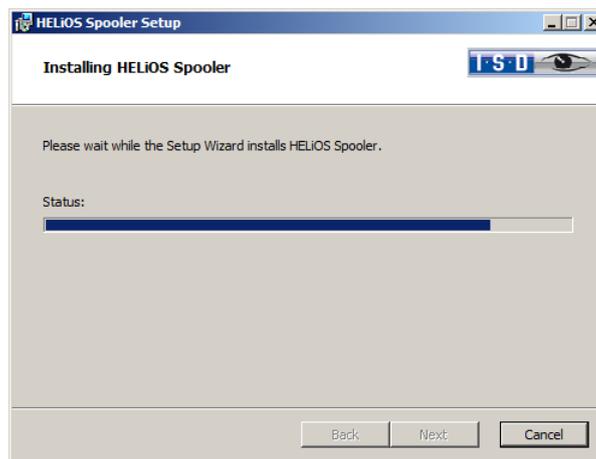
Spooler user, or via the Windows Task Scheduler. If you have any questions, please contact the ISD Consulting team.

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 the ISD Consulting team.

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



You can now begin with the installation.



After successful installation the HELIOS Spooler will be located in the folder for programs.

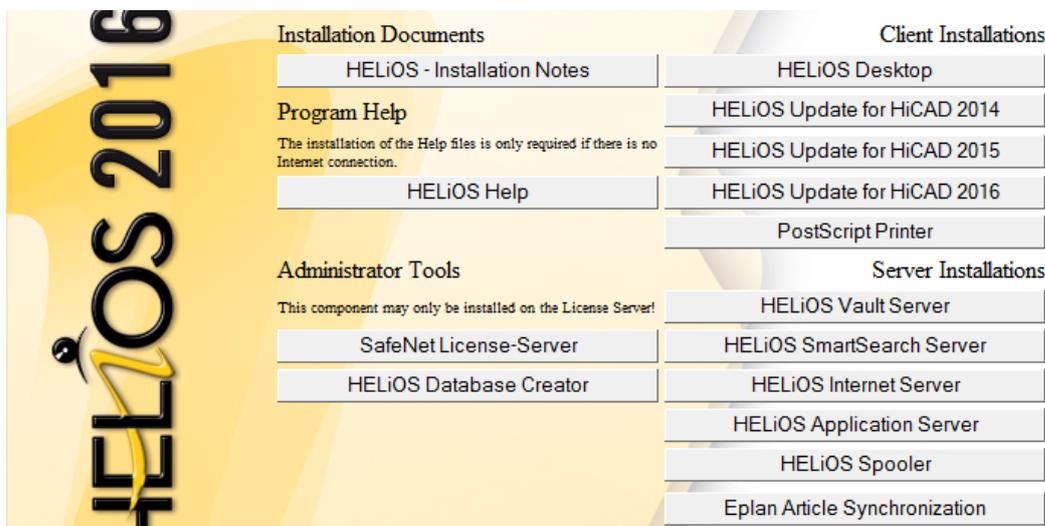
2.7 Installation of the EPLAN Article Synchronization

In addition to the EPLAN interface that must be activated in the **HELIOS Interfaces** tab of the **Extended settings** window, you need to install the Article Synchronization service. You can find the corresponding button at the bottom right of the selection mask.

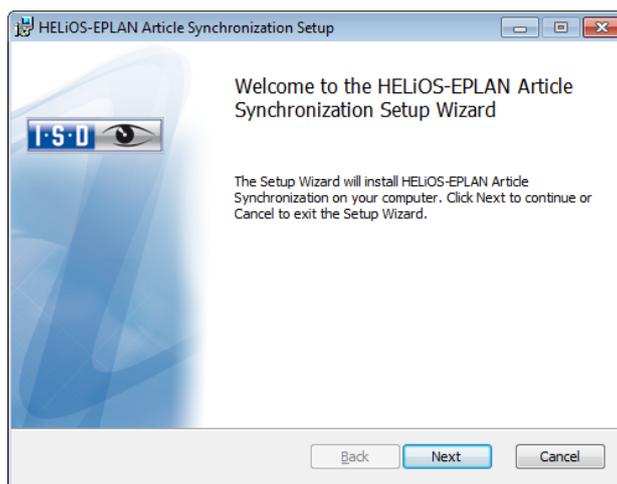


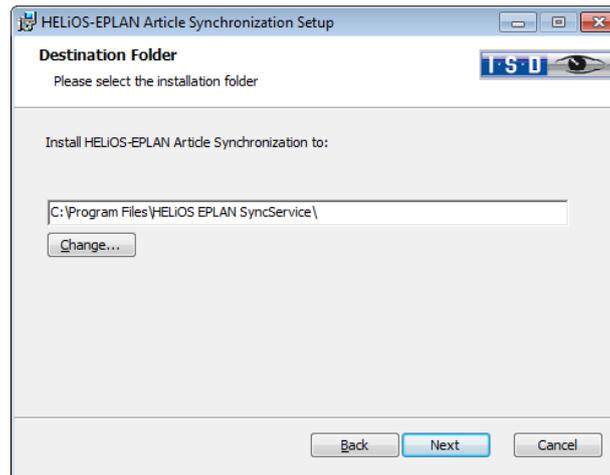
For the configuration of the HELIOS-EPLAN interface please contact the ISD Consulting team.

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.

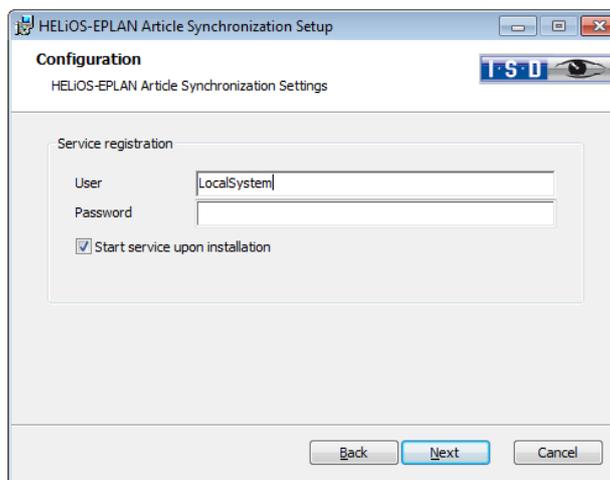


Click the **Eplan Article Synchronization** button.

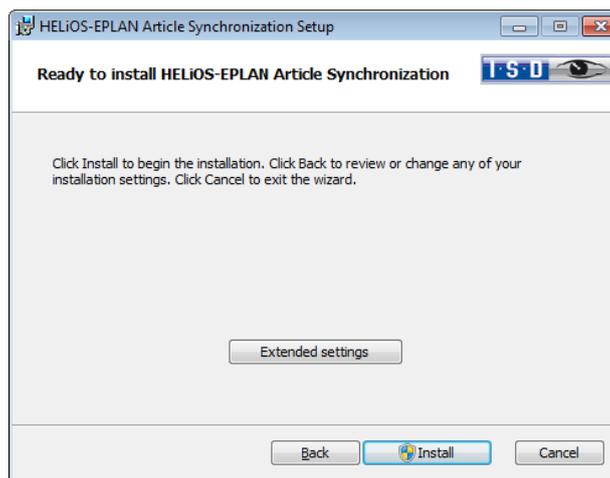




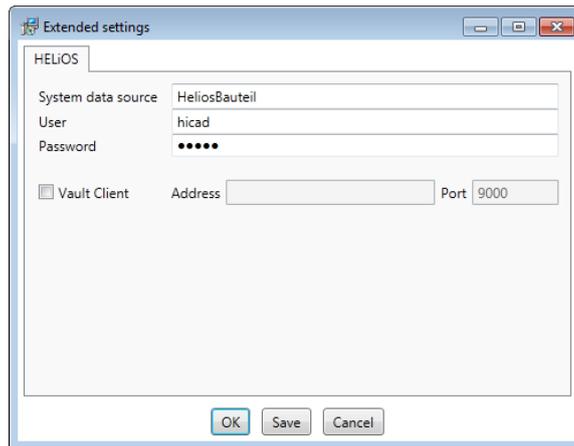
Specify the installation directory for the software.



Replace LocalSystem with the User login for HELiOS, or a user account with access to HELiOS.

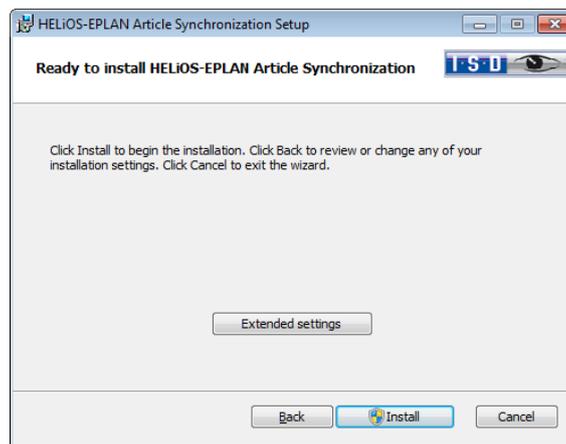


You can now begin with the installation or modify the **Extended settings**, e.g. for HELiOS.

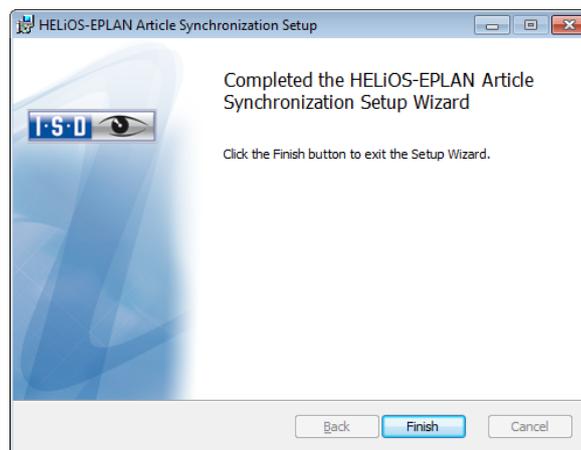


The existing system data source will be suggested. **User** and **Password** are identical to those for the ODBC login. If you use a Vault Server, activate the **Vault Client** checkbox. Enter the name of the Server in the **Address** input field, and the Server Port of the Vault Server in the **Port** input field. These can be found at  > HELiOS Options > Database > General > Vault Server .

Click **Save** to store the **Extended settings** in an **ini file**. Confirm with **OK**.



Click **Install** to start the installation.

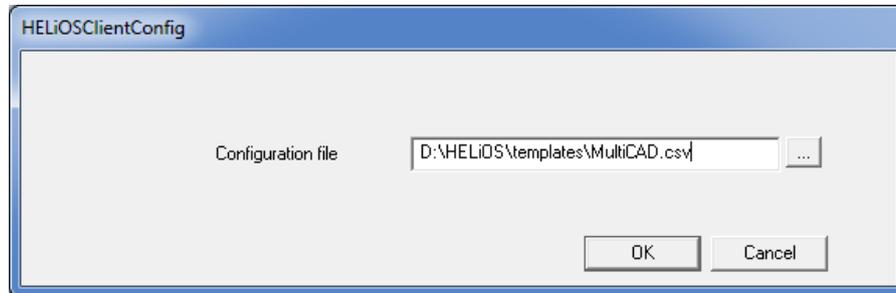


After successful installation, the EPLAN menu will contain the **Synchronize articles with HELIOS** function in the **PDM** menu.

2.8 Parameter Configuration

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  icon and select the *.csv file. Confirm with **OK**.



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

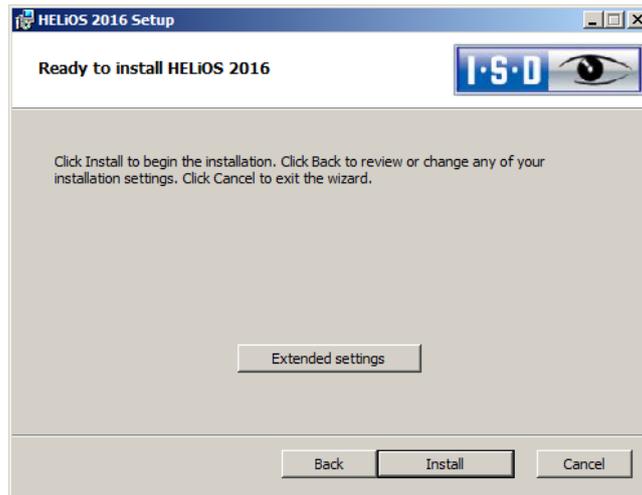
- » In the ..\templates directory of your HELiOS Desktop installation you will find the adjusted HELiOS masks for MultiCAD operation in the ..\MultiCAD folder. Copy them to the ..\sys directory of your HELiOS installation.
- » In the ..\templates\AutoCAD\ directory you will find drawing frame templates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

3 Procedure for Silent Installations

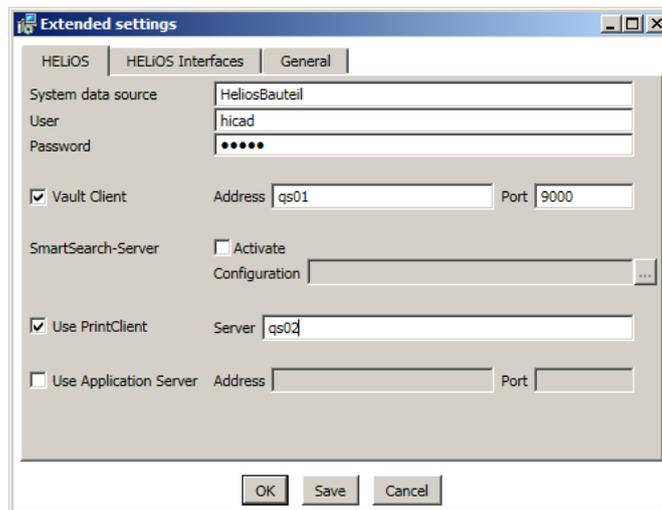
The silent installation can, for example, be configured for HELIOS Standalone or for the Spooler. The procedure is always the same.

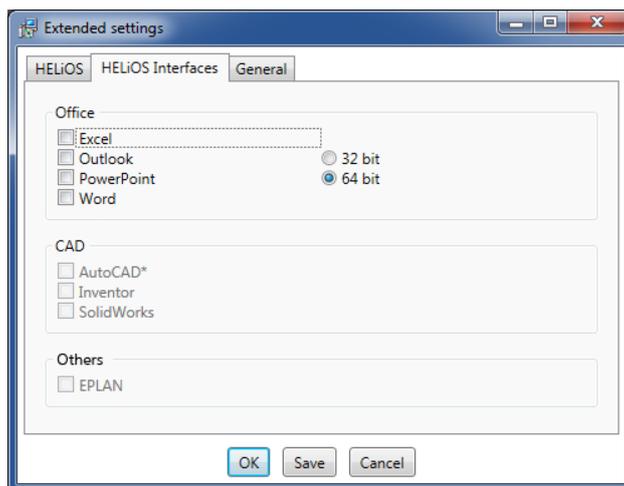
3.1 Installation Settings

To configure the installation options, start the installation setup.exe as usual and make the required settings. In the last dialogue of the installation, click on Extended Settings.



Here you can configure in particular the settings for the User Configuration in such a way that user interactions will no longer be required.





Clicking **Save** creates a setup.ini file containing the desired settings. This file will be loaded automatically if it is located in the same directory as the Windows Installer package HELiOS.msi. Alternatively you can specify a file via the command line:

```
setup.exe SETTINGS="<Ini-Datei>" /! *v "<Log-Datei>"
```

or

```
msiexec /i HELiOS.msi SETTINGS="<Ini-Datei>" /! *v "<Log-Datei>"
```

In this case the starting will not be "silent", i.e. the installation dialogues will appear, but with the default values of the .ini file.

The option /! *v "<Log-Datei>" creates a log file of the installation which can be used for the diagnosis of installation problems.

3.1.1 Redistributables

Before distributing the installation you need to install the required redistributables on the target systems in order to circumvent the Microsoft-EULAs.

Examples:

```
vcredist.exe /passive
```

```
dotNetFx40_Full_x86_x64.exe /passive
```

The respective command line options of the individual Redistributable Installer can be called via the command line option /?.

If required, the .msu files of the Windows Installer 4.5 can be installed with the Windows Package Manager pkgmgr.exe (<http://support.microsoft.com/kb/934307/de>).

The packages can be installed with /passive /norestart. Otherwise, a reboot would be initiated automatically. If a package requires a reboot, the return value is 3010; otherwise it is 0 or an error code.



You need to install the redistributables that are located on the DVD at Program32 or Program64 (except for the setup.exe and the language-specific folders such as de-de).

The situation for HELiOS is slightly different. Here, the installation packages can be found in the folder Helios\heldsk64\ (for a HELiOS Desktop Standalone installation) or Helios\M-Versions\20??\, with ?? standing for the concrete year date of the HiCAD Version to be matched with an updated HELiOS.

The utilisation of the msi package or the setup.exe, respectively, differs insofar as the setup.exe will issue an interactive message if a requirement (redistributable) is missing, while the msi package will cancel the process with an error code. The latter might be more suitable for a deployment within the scope of a software distribution programme.

3.1.2 Starting the Installation in the Silent Mode

The installation can only be set to the silent mode via the command line:

```
setup.exe SETTINGS="<Ini-Datei>" /passive /!*" <Log-Datei>"
```

or

```
msiexec.exe /i HELiOS.msi /qb!- /SETTINGS="<Ini-Datei>" /!*" <Log-Datei>"
```

As neither dialogues nor error messages are displayed, /!*" <Log-Datei>" creates a log file of the installation which can be used for the diagnosis of installation problems.

Information on further command line options can be obtained via the command line, by means of the command msiexec /? , and via the Internet at

http://technet.microsoft.com/de-de/library/cc759262%28WS.10%29.aspx#BKMK_SetUI

<http://msdn.microsoft.com/en-us/library/windows/desktop/aa372024%28v=vs.85%29.aspx>

3.1.3 Example of a Batch Installation incl. Redistributables and Log

```
@set SOURCE=\\entw042\Setups\HELiOS 2000
```

```
"%SOURCE%\vcredist_x86_10.0.40219\vcredist_x86.exe" /passive /norestart
```

```
@if errorlevel 1 echo Fehler bei Visual C++ Runtime Installation && goto error
```

```
"%SOURCE%\DotNetFX40\dotNetFx40_Full_x86_x64.exe" /passive /norestart
```

```
@if errorlevel 1 echo Fehler bei .NET Installation && goto error
```

```
msiexec.exe /qb!- /i "%SOURCE%\de-de\HELiOS.msi" /!*"
```

```
"%SOURCE%\logs\%COMPUTERNAME%\HELiOSInstallLog.txt" SETTINGS="%SOURCE%\Config\setup.ini"
```

```
@if errorlevel 1 echo Fehler bei HELiOS Installation && goto error
```

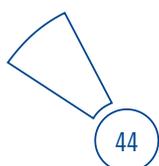
```
@exit
```

```
:error
```

```
@echo Installationsfehler %errorlevel%
```

```
@net helpmsg %errorlevel%
```

```
@pause
```



4 Important Notes on Updates

When performing a HELiOS update, the update start mask shows you the HELiOS subversion, 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**. Please note the following:

Important

When performing a HELiOS update, an update of the database schema might be necessary as well. 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..

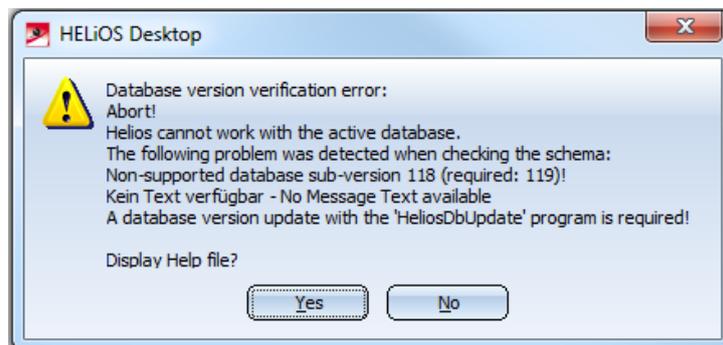
It is mandatory to make a database backup before the update, as the update can normally only be reverted by importing the backup.

The responsible administrator should always be informed prior to the update, in order to enable a coordinated conversion.

Updates to HELiOS Version 2016 are only possible from Version 2014 or 2015.

4.1 Updating the HELiOS Database

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 launched:



To update the database schema, use the program **HeliosDbUpdate.exe**. Please note the following:

4.1.1 Important Hints before Update

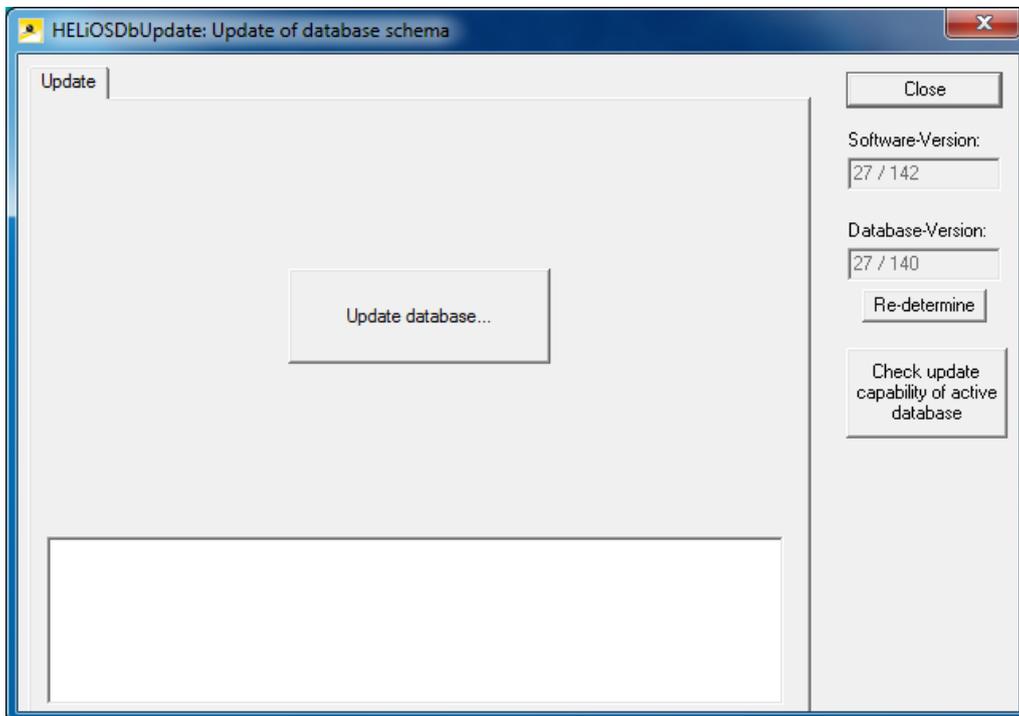
- » It is mandatory to make a database backup before the update, as the update can normally only be reverted by importing the backup.
- » After an update, access is only possible with the appropriate HELiOS version. A mixed operation with HELiOS versions requiring an older database schema is not possible.
- » The update must be performed once and applies to all HELiOS installations.
- » The responsible administrator should always be informed prior to the update, in order to enable a coordinated conversion.

4.1.2 Perform Update

The update can be performed from any HELIOS workstation with a database connection.

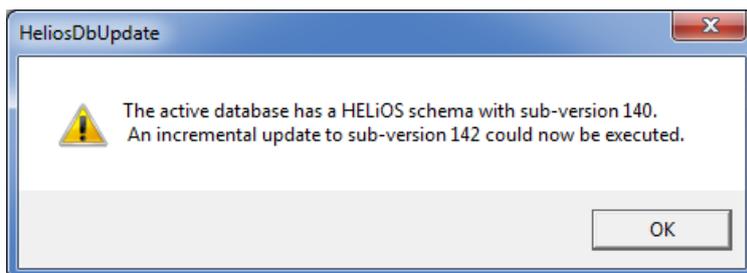
The **HeliosDbUpdate.exe** program is used for this purpose. It can be started via the Windows Explorer, or similar programs, from the exe directory of the HELIOS installation.

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

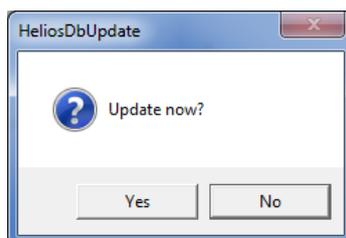


Click the **Update database...** button to start the update.

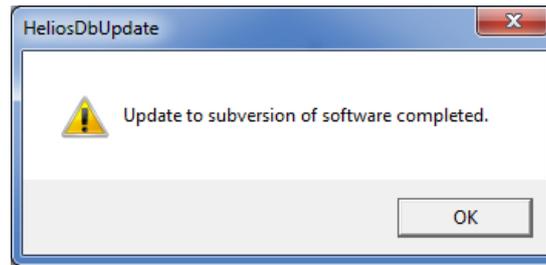
The following message (version numbers may vary) will be displayed after clicking the button:



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



Confirm with **Yes** to perform the update. After a successful update, the following message will be displayed:



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 need to be identical.

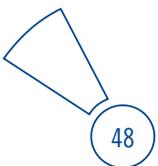
4.1.3 Lower Database Version Required

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 (see Chapter 4.1) the number of the required sub-version is lower than that of the current one, which is, according to the message, not supported.

In this case a new installation of HELIOS, or an update installation of HELIOS from an appropriate source (i.e. via the HELIOS installation DVD, not via the HiCAD installation!) must be performed.

4.2 Material Manager (HiCAD)

For the HELIOS-HiCAD Interface the HiCAD Material Manager (materialmanager.exe) that enables a taking over of materials from Catalogue Editor to HELIOS must have the same database schema as HELIOS. Therefore the Material Manager will also be updated.



4.3 Licensing for Updates

The HELiOS Version can be obtained either on an installation medium (DVD), or via download from the ISD Homepage.

The activation takes place via a software license. The activation is no longer linked to a dongle, but directly to the hardware of a server or an individual workstation.

If you use a Server License, you need to update the License Server Software and the License Management Tools; if you use Local Licenses, you need to install the new version.

Normally, licenses for older HELiOS versions must be revoked first.

After confirmation of the revocation you will receive one or several Entitlement IDs enabling you, in combination with your E-Mail address and your Password, to activate the new licenses (see 5.3).

Licenses can be deactivated at any time, without having to contact the ISD Group, via the License Activator in the License Manager, i.e. they can be temporarily stored on the Server of the ISD. For this you require your Entitlement ID, your E-mail address and your Password. The activation can then be performed on any other computer, i.e. the licenses can be transferred to this computer. For Server Licenses this procedure can only be performed for the entire license pool.



After updating HELiOS (from Version 2008 or older) to a HELiOS Version, you must return your workstation dongle to the ISD. You can then no longer use any older HELiOS versions.

4.4 Perform HELiOS Installation

The installation of HELiOS 2016 can be carried out by a technician of the ISD or by the customer. In this context, please note the following recommendations by the ISD:

- » HELiOS
 - Update from HELiOS 2014 or 2015 to HELiOS 2016: An installation by the ISD is recommended.
 - Update from HELiOS 2013 (or older) to HELiOS 2016: Updates are not possible. The update installation from HELiOS 2008 (or older) additionally includes a data conversion from ANSI to UNICODE format. Please contact the ISD Consulting team.
- » 3rd party CAD with HELiOS
 - Update of HELiOS 2014 or 2015 to HELiOS 2016: An installation by the ISD is recommended.

5 License Installation Guide

HELIOS can be activated via three license types:

- » Network licenses
- » Standalone licenses (local licenses)
- » Commuter licenses



To start the Online Help for the Licence Manager call the LICENSEMANAGER.HTML file in the folder Docu\tools\Licensemanager.

5.1 General Information about Licensing

Local (Workstation-Specific) Licensing

If you choose local licensing, the activation will be directly locked to the hardware of the workstation on which your HELIOS 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.

Network (Server-Controlled) Licensing

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.

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.



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

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.



If you activate a license while the WLAN card is switched on, this license will only be valid and visible when the WLAN card is switched on. If, however, the license is activated while the WLAN card is switched off, the license will always be valid, no matter whether the WLAN card is switched on or off.

5.2 Network Licenses

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

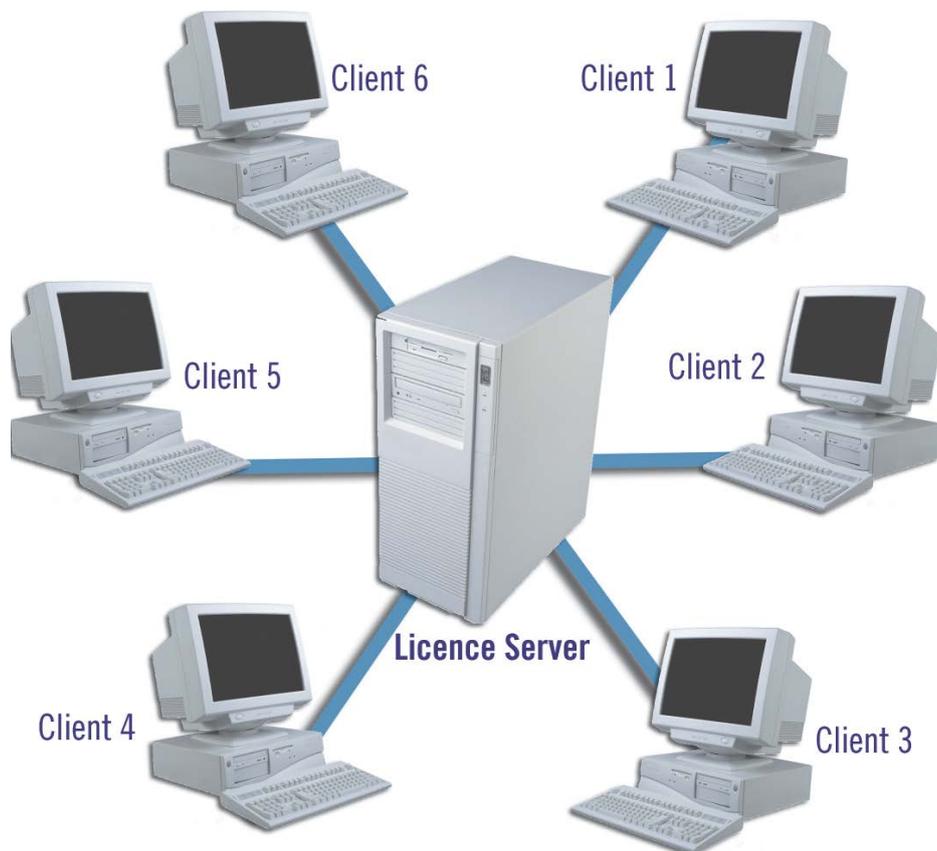
The license server enforces and manages licensing in multi-user environment. It keeps track of all the licenses and handles requests from network users who want to run a HELIOS application, granting authorization to the requesters, or denying requests if all licenses are in use.

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



Please note:

- **As of HiCAD 2012 (Version 1700), parallel installations of license servers and ISD products (i.e. 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 a correct operation of the License Server!**

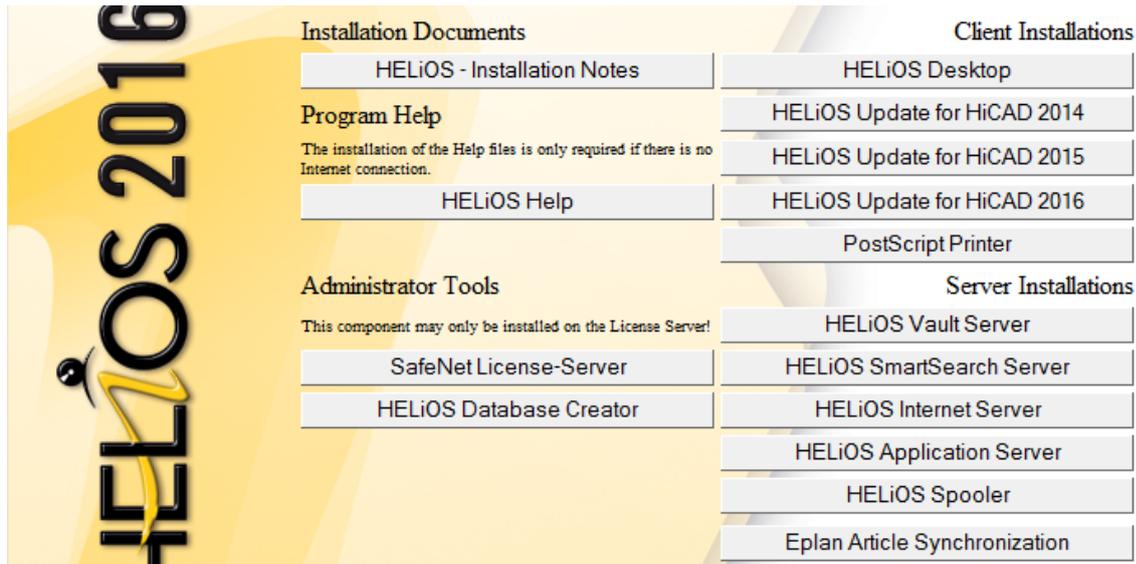


5.2.1 Server Installation

The installation of the **SafeNet License Server** takes place from the HELiOS DVD. Start Windows and insert the DVD in the DVD drive of your computer. The installation wizard will be displayed.

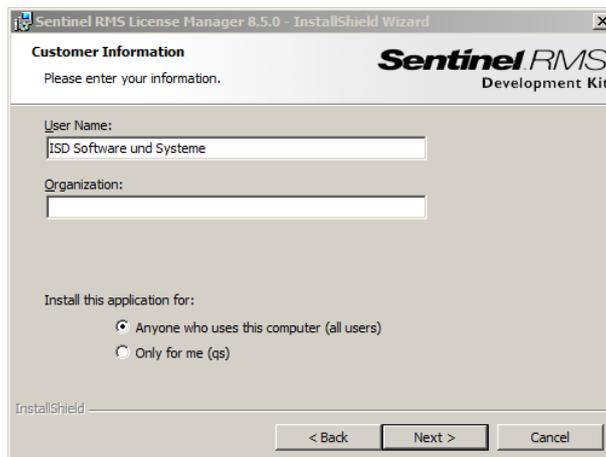


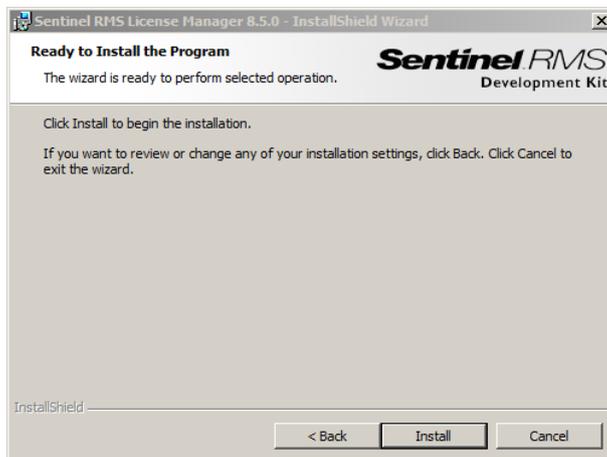
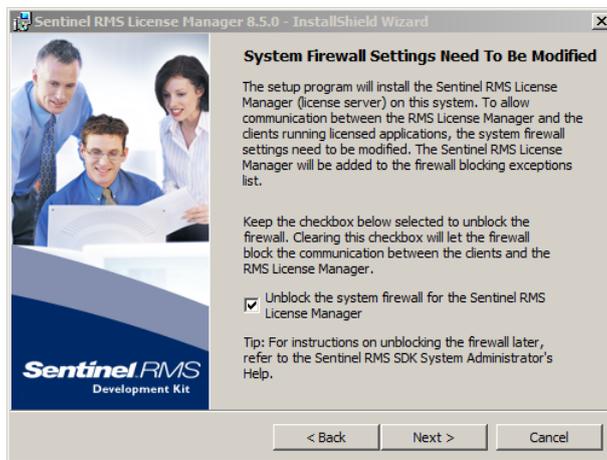
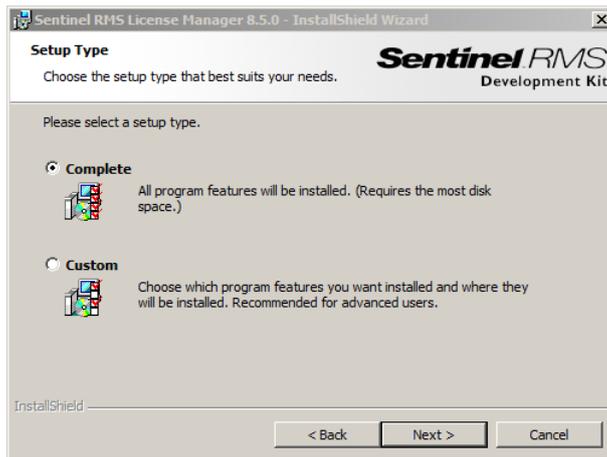
If you want to perform a HELiOS update to Version 2016 and use a license server (i.e. work with network licenses), you require Version 8.5.0.1400 of the SafeNet License Server. If you have installed an older version, you need to uninstall it before re-installing the SafeNet License Server.

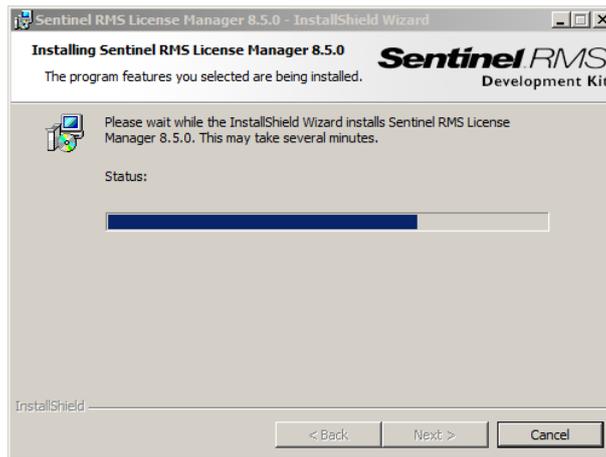


Click the the SafeNet License Server button.

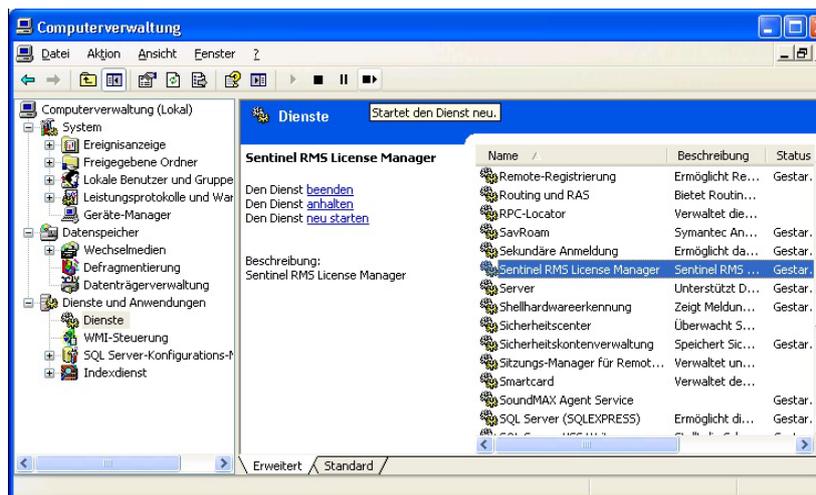






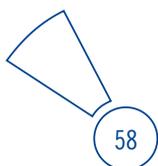


After successful installation you will find the Server (Sentinel RMS License Manager) under Services. From here you can also start and end the License Server.



5.2.2 Client Configuration

To ensure that the HELiOS Client finds 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.



5.3 Licensing via Entitlement ID (License Activator)

Thanks to the enhanced ISD License Manager 2.0 the communication between the customer and the ISD could be facilitated significantly.

5.3.1 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: activation@isdgroup.de [mailto:activation@isdgroup.de]
Gesendet: Mittwoch, 18. Januar 2016 09:36
An: Musterfrau, Nadine
Betreff: EMS - Entitlement Certificate

Dear musterfrau@isdgroup.de,

Congratulations! An entitlement has been created for you with the following details:

Entitlement Details			
EID:	2ddbc643-343e-4ec4-aed4-7bd5bc44cfe1	Start Date:	01/18/2016
Customer:		End Date:	Never Expires
Contact:	musterfrau@isdgroup.de		

Associated Products					
Product number	Quantity	Remaining quantity	Start Date	End Date	Status
E102SOL1001 2100.0	2	2	01/18/2016	03/31/2016	Enabled
E107BIB1001 2100.0	2	2	01/18/2016	03/31/2016	Enabled
E130SMB1001 2100.0	2	2	01/18/2016	03/31/2016	Enabled
MasterLic 2100.0	2	2	01/18/2016	03/31/2016	Enabled

Now, follow the steps given below to activate and manage your entitlement:

1. Start ISD License Manager.
2. Change to tab "License Activator"
3. Log on using the EID, registered E-Mail and Password (ISD download area password).
4. Check licenses to activate.
5. Click on Activate button.

For further assistance, contact us using the following details:

Contact No. - Tel. +49-(0)231-9793-166
 Email - hotline@isdgroup.de

Sincerely,
 ISD Software und Systeme GmbH Team

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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!

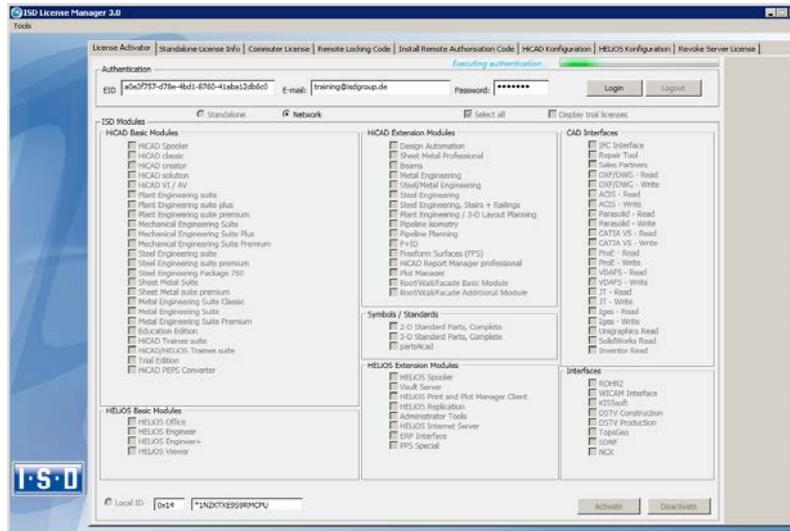
After installing HiCAD/HELiOS you can find the program in the Windows Start menu at ISD Software und Systeme > Administration. Please note that for the execution of some functions, administrator rights are required.

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).



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.

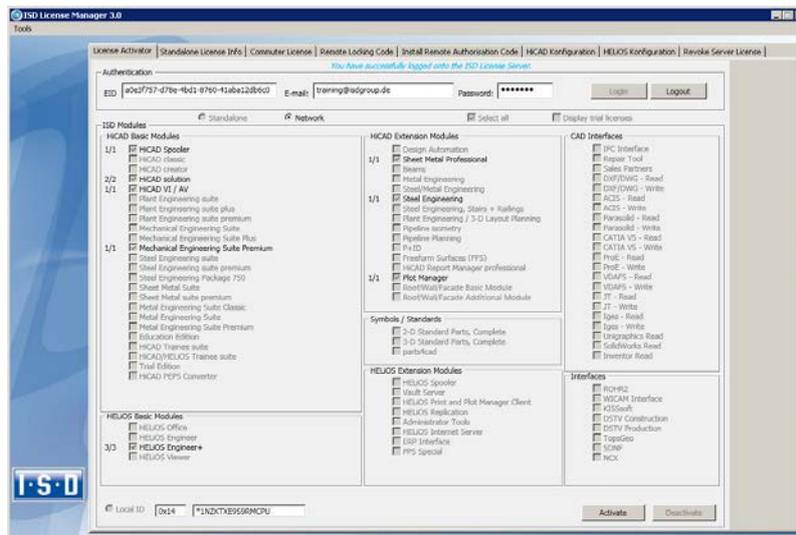


After entering the data, click **Login**. The ISD License Manager 2.0 connects to the ISD License Server and the acquired licenses will be displayed.

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

5.3.2 Activate Licenses

After successful login, the number of available licenses and the number of acquired licenses are indicated next to each module. Select the modules to be activated and click **Activate** to start the activation. For Server Licenses the modules are already pre-selected!

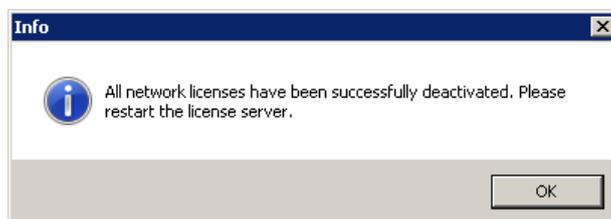


After successful activation a message showing you that all licenses have been successfully activated will be displayed:



The deactivation 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:



5.3.4 Trial Licenses

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

5.3.5 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 4.2.3.3 Deactivate Licenses).

5.3.6 Notes Regarding the Use of Mobile Computers (Laptops)

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

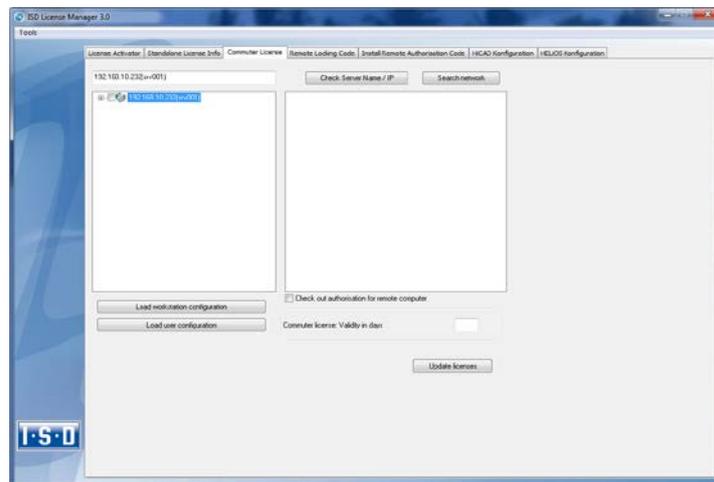
5.4 Commuter Licenses

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:

- » Via direct checkout from the License Server
- » Via checkout from License Server, without network connection

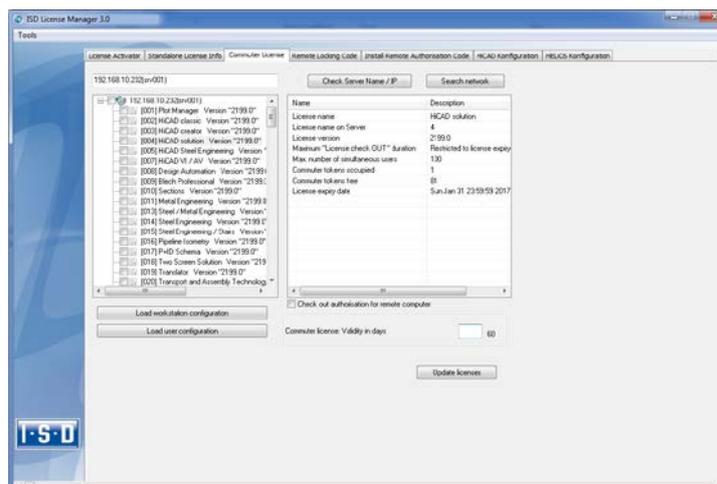
5.4.1 Direct Checkout from License Server

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



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.

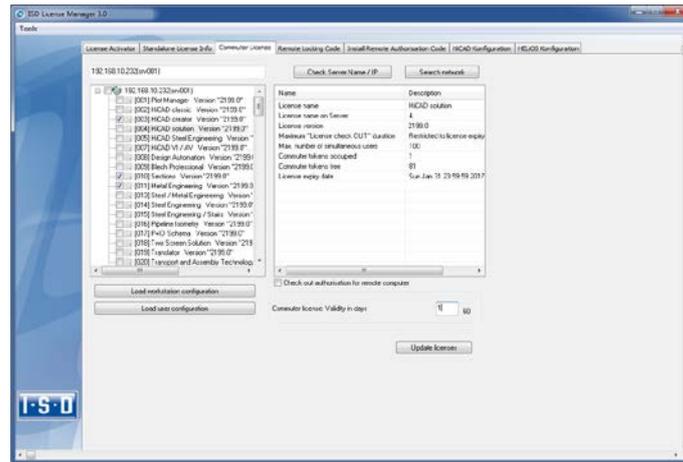
Expand the tree structure of the found Server by a click on the “+”-sign. The result looks as follows:



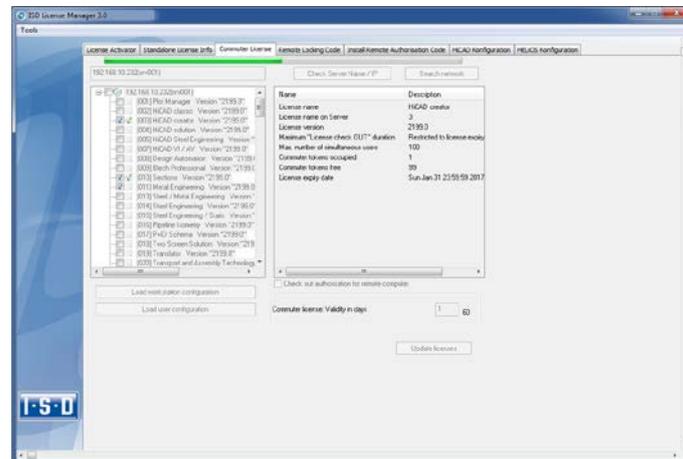
Select the required licenses by activating the corresponding checkboxes on the left hand side. On the right hand side, information on the selected license is displayed.

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.

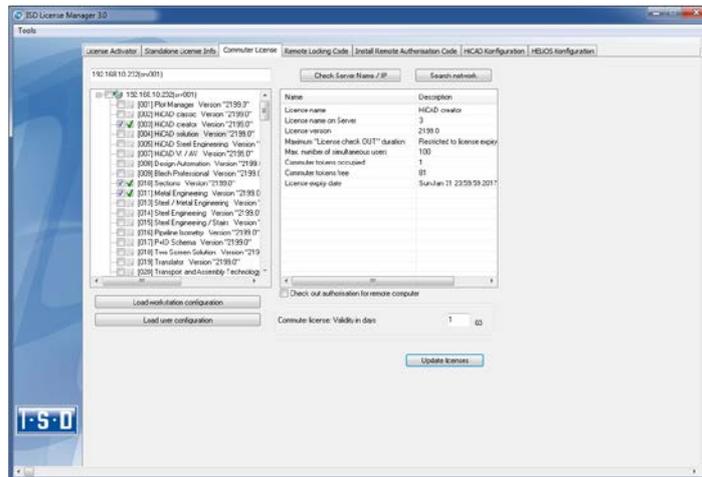
For reasons of safety you should check out the licenses only for the required period! If a commuter license is lost, e.g. because of theft or a defect of the client computer, the license on the Server cannot be used any more before expiry of this date!



After entering the expiry date for the commuter licenses, activate the **Update licenses** button.

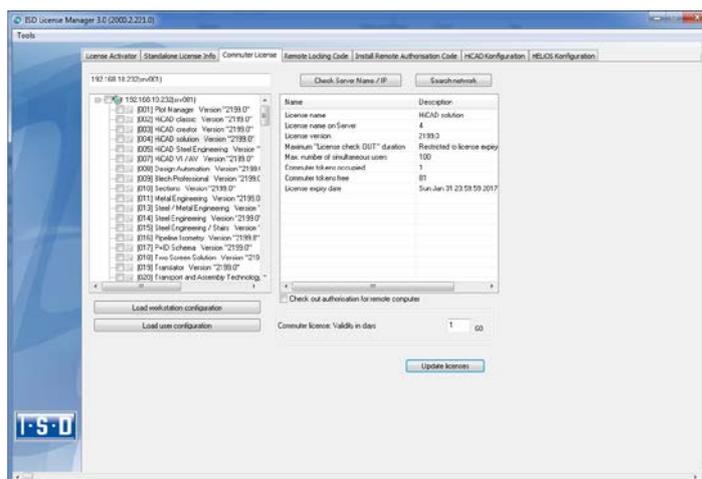


Commuter licenses are checked out from the Server.



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 net.

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 hand side 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.



5.4.2 Checkout from License Server, Without Network Connection

Commuter licenses can also be drawn from the License Server without an existing network connection.

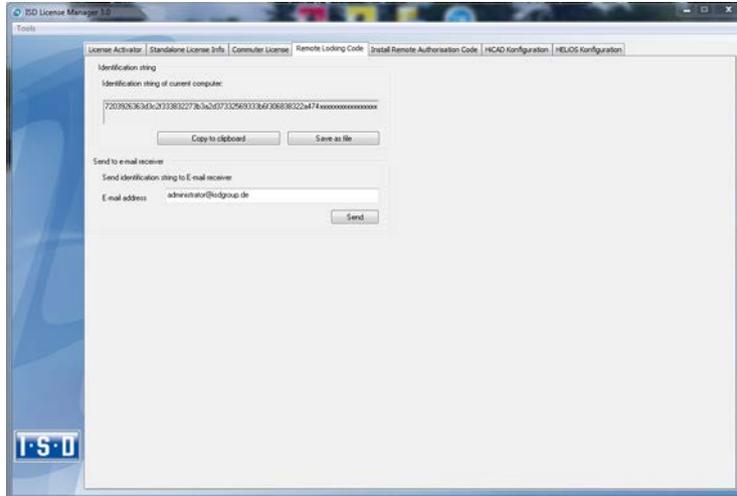


Please note that administrator rights are required.

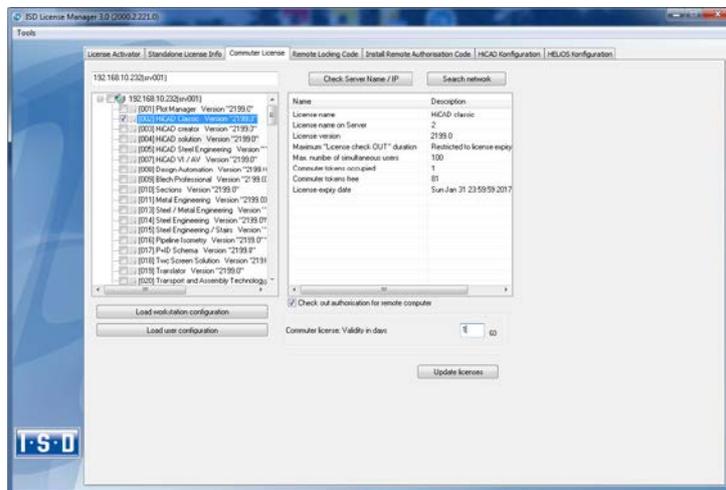
Commuter licenses checked out in this way cannot be returned to the License Server! This means that the commuter licenses that have been checked out from the Server are only (automatically) made available again after their expiry date.

Several steps are required for this, by the administrator having a network connection to the License Server, as well as by the Client having no network connection to the License Server.

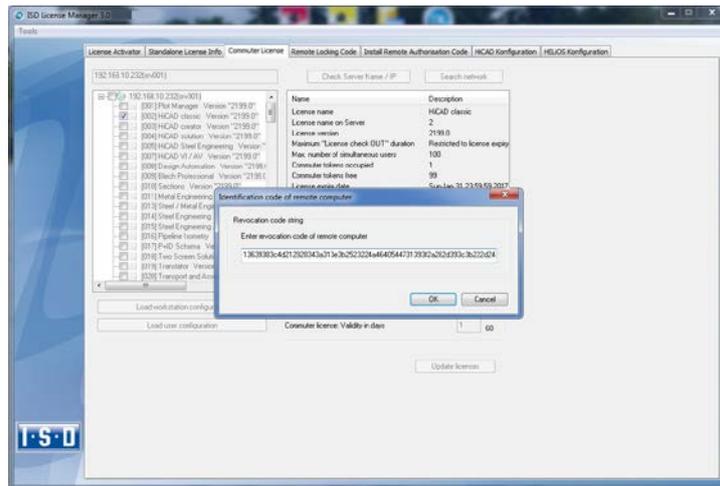
The Client starts the **ISD License Manager** tool, switches to the **Remote Locking Code** tab and sends the generated character set to the administrator (via E-mail or over the phone).



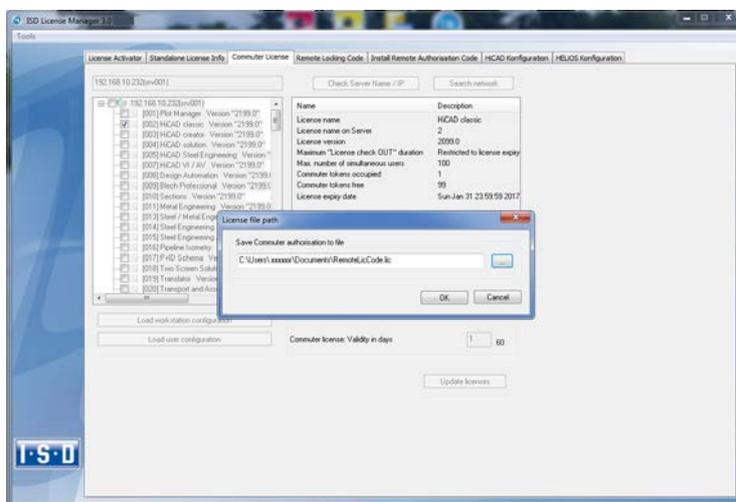
The administrator starts the **ISD License Manager** and switches to the **Commuter License** tab. The License Server is selected, and the required licenses (modules) are activated in the left window. To checkout a remote commuter license the administrator now needs to activate the **Check out authorisation for remote computer** checkbox.



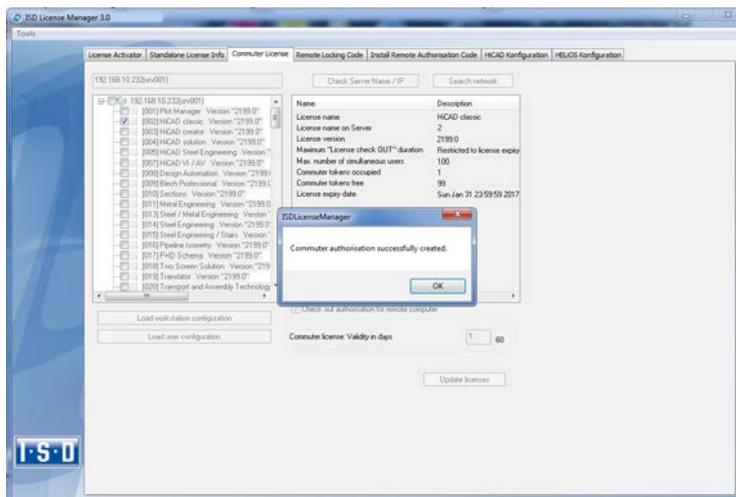
A click on the **Update licenses** button opens a new dialogue window, in which the administrator enters the character set received from the Client.



After selecting OK, another dialogue opens, in which you enter the target path and the file name for the licenses to be swapped out.

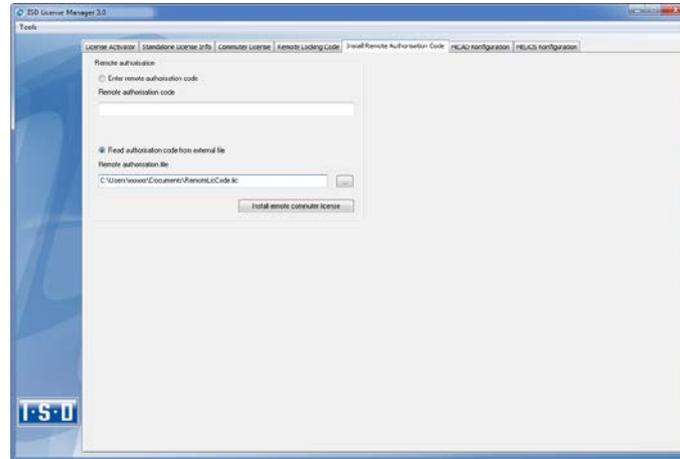


Click OK to check out the commuter licenses from the License Server and swap them out to a file, e.g. RemoteLicCode.lic.



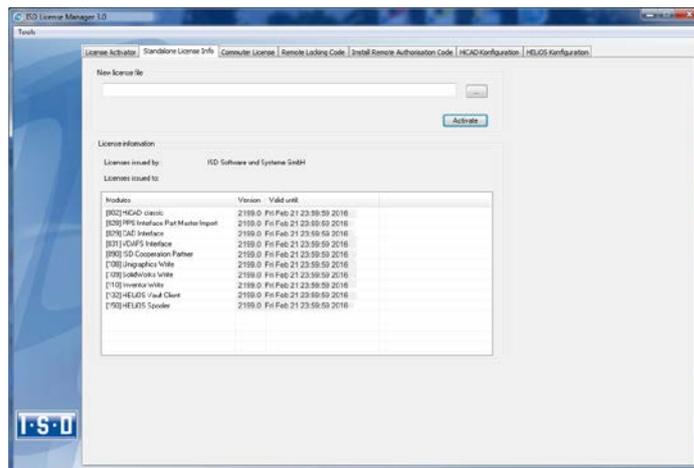
The successful checkout will be confirmed. The administrator then sends the file RemoteLicCode.lic to the Client.

After receiving the file with the commuter licenses, the Client starts the **ISD License Manager** again and activates the **Install Remote Authorisation Code** tab. Here the received commuter licenses can be installed directly via file selection or via copying of the file contents.



Click the **Install...** button to install the commuter licenses on the Client.

After successful installation, switch to the **License Info** tab. Press the F5 (Update) key on your keyboard. You are now informed which licenses are installed locally on the computer.

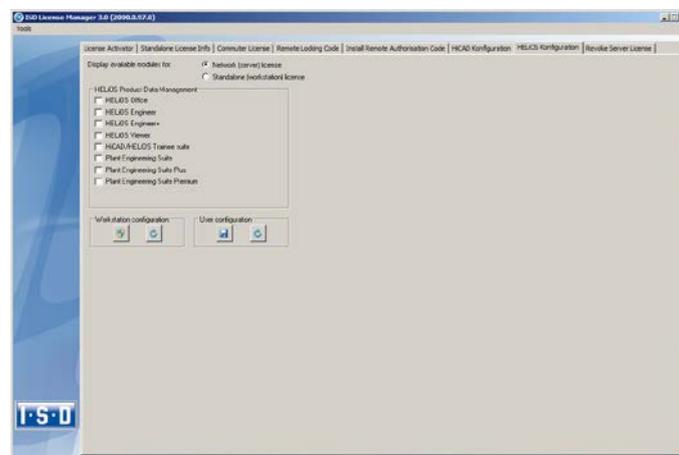


5.5 License Configuration HELiOS

Some cases may require the use of only certain specific licences on a computer. Example: On the License Server, **HELiOS** and **Plot Manager** licences are available. On one Client, HELiOS is to be started, on another Client, the HELiOS Plotmanager. 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 HiCAD/HELiOS configuration tab will be displayed before the start of HiCAD/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.



On the **HELiOS Configuration** tab 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 licence configurations apply to network licenses and standalone (workstation) licenses.

5.6 Important Softlock/Hardlock Information

When using the softlock/hardlocks as selector for the license file, please note that for system-inherent reasons the date must not be reset! Such resetting causes a blocking of the softlock/hardlock that can only be revoked by the ISD by means of a re-programming. In such cases, we would have to charge you the costs of this unnecessary additional work.

A change of the system time is possible, as long as it is not date-comprehensive.

If you deem such date conversion absolutely necessary, please inform our staff on the hotline in good time.

ISD Software und Systeme GmbH

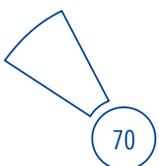
Phone: 0049 - 231 / 97 93 - 166

Fax: 0049 - 231 / 97 93 - 101

Mailto: hotline@isdgroup.com



IMPORTANT: If you have a 64Bit version of HELIOS, the hardlock can no longer be used as license file selector due to missing driver support!



5.7 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.

6 HELIOS at a Glance

On the way to the finished product, time expenditure, the cost situation and product quality can only be optimised if all departments of a company work together 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.

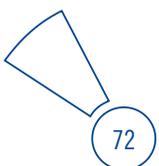
HELIOS is a state-of-the-art PDM/PLM system providing all essential tools for an error-free logging, management and distribution of the data required for the production process chain. Once saved, these data can be re-used within the entire company and for the complete product life cycle. HELIOS manages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

Thus, the know-how of the company will be used optimally, redundant work can be avoided and error sources will be eliminated.

HELIOS combines Product, Process and Peripherals Management to form a single system, thus making HELIOS the “knowledge reservoir” of your company.

HELIOS can be integrated in your overall CAD system or used as a stand-alone system, the so-called HELIOS Desktop

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



7 First Steps

7.1 Program Call

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

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 ended HELiOS correctly during your last session, you will receive an error message from the Vault Server.



Important:

Improvements of the HELiOS functionality require a regular updating of the database; if the database version is no longer up to date, HELiOS displays a corresponding message (version numbers may vary) when it is launched. In this case, please read the information in Chapter "Updating the HELiOS Database".

7.2 Registration

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.

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 (see below).

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.

7.2.1 Login

Use the **Login**  function for a new login while working with HELiOS Desktop, e.g. to work with different rights without having to exit the program.

Activate the **Login**  function on the QuickAccess toolbar.

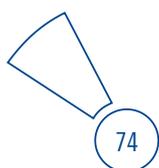
Select a different user.

Change the active project if required and confirm the new settings with **Login**.

7.3 The News window

In order that you can take full advantage of the numerous new features and enhancements offered by HELiOS 2016, 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**.



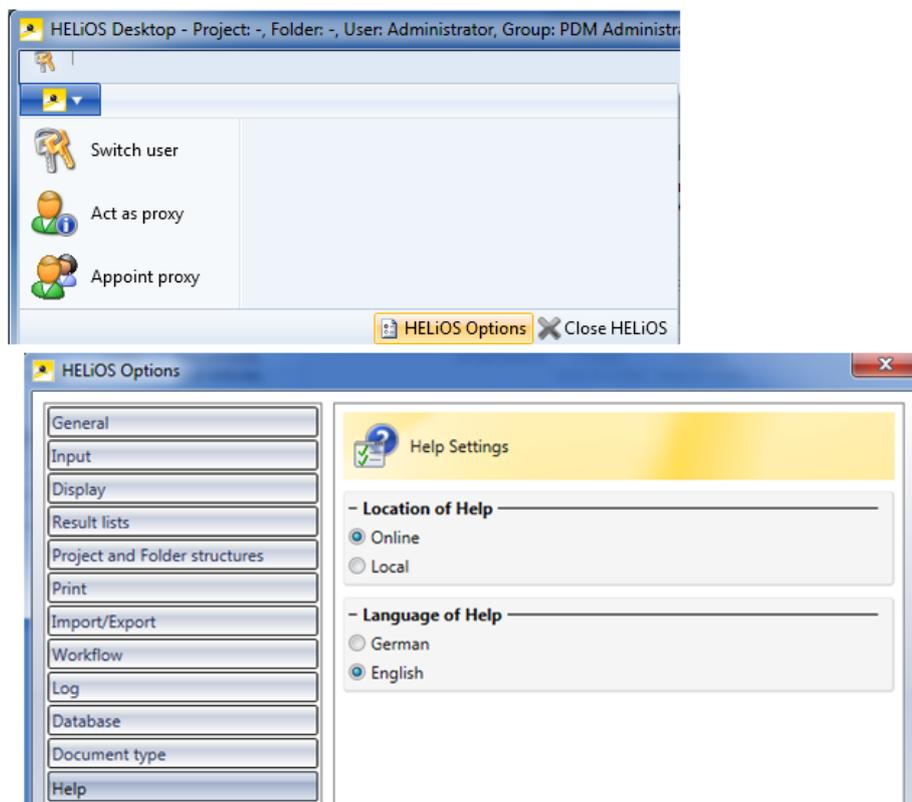
8 How to Use the Help

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

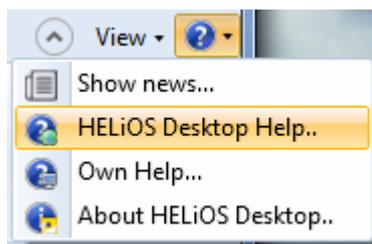


Please note that the scope of available functions may vary, depending on the configuration level of your HELiOS product. This means that some of the functions described in the Online Help may not be available in your system.

The Help will be 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. In the **HELiOS Options** window, open the Help tab and select **Online** or **Local**.



To call the Help, click the “?” symbol at the top right of the window and choose HELiOS Desktop Help.



To be able to use the Internet version of the Help, you need to register for the ISD's new company Wiki once. This will not only give you access to the new Help, but also provide you with many other information that is available 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.

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ISD Online Help

Login

Username *

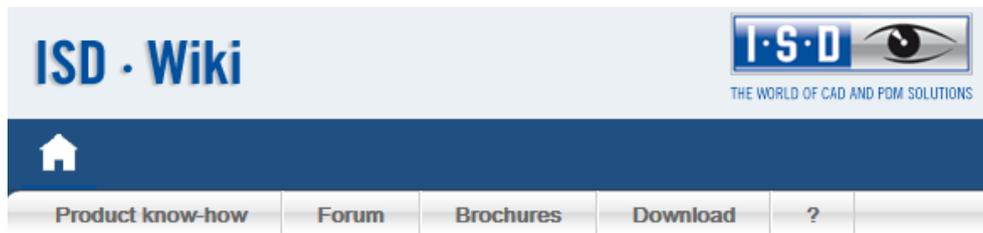
Password

> Login

Not yet a member? Sign up.

8.1 Register for the ISD Wiki

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



Sign up

Full Name

Email

Username

Password

Confirm Password



Already have a username and password? [Log in here](#)

After the registration the dashboard of the ISD Wiki 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.

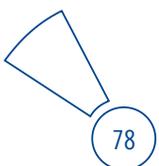
If you could not be identified as an ISD customer, please perform the steps described in the message.

9 What's New in HELiOS 2016?

A detailed overview of all new features and enhancements contained in Version 2016 can be found in the What's New? topic of the Online Help.

Alternatively, you can click the  button in the Help.

Clicking the  button opens an overview of the new features in PDF format in the in the download area of the ISD Wiki.



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