HELiOS

2012

Getting started

System requirements

Installation guide

Licensing

Update Information

First Steps

News

THE WORLD OF CAD AND PDM SOLUTIONS

UNLIMITED PERFORMANCE

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1 Important Installation Information

1.1 System 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:

- Pentium 4 compatible processor with SSE2 support
- 1 GB RAM

» Supported operating systems:

- Windows XP (with current service pack and security patches)
- Windows 7 (with current service pack and security patches)

» Supported database systems:

- Microsoft SQL Server 2000
- Microsoft SQL Server 2005
- Oracle Database Server 8i
- Oracle Database Server 9i
- Oracle Database Server 10g

» **Microsoft .NET Framework 4.0 or higher** and **Visual C++ Runtime Libraries** need to be installed on the computer before HELiOS 2012 can be used; these packages are installed by the HELiOS installer if necessary.

» If you want to work with HELiOS, one of these database systems needs to be available and prepared for HELiOS. Installation instructions (in .pdf format) and appropriate implementation of the server system can be found in the **Readme** directory of the HELiOS Installation DVD.

» Current information on system requirements can also be found on the Internet at www.helios.isdgroup.eu > **Service & Support > FAQ**.

1.2 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 Server 2003 (32 & 64-Bit) Windows Server 2008 (32 & 64-Bit) Windows Server 2008 R2 (64-Bit)
Operating System (Client)	Windows XP (32 & 64-Bit) Windows Vista (32 & 64-Bit) Windows 7 (32 & 64-Bit)
IP/MAC Adress	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.

A license server program need not run on a file server system or any specific hardware server. Any computer that meets the requirements is acceptable.

1.3 Hardware Requirements Vault Server

Processor (CPU):	Pentium III-compatible processor, Minimum: 1,0 GHz
RAM:	Minimum: 1 GB, **Recommended:** 4 GB or more
Graphics Card:	VGA (no special requirements)
Hard disk:	For software: 100 MB For user data: Depending on the amount of data to be expected, plus backup memory of >= 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 XP SP3 Professional Windows XP SP2 x64 Professional Windows 7 Professional Windows 7 x64 Professional Windows Server 2003 SP2 Windows Server 2003 SP2 x64 Windows Server 2003 R2 SP2 Windows Server 2003 R2 SP2 x64 Windows Server 2008 SP2 Windows Server 2008 SP2 x64 Windows Server 2008 R2 x64

1.4 System Requirements for the HELiOS Internet Server

- Microsoft Internet Information Services, Version 7 or higher, with CGI support. This is part of Windows Server 2008/Windows 7, but needs to be installed separately.
- Installed HELiOS Version.

2 Installation

The DVD contains the installation files for:

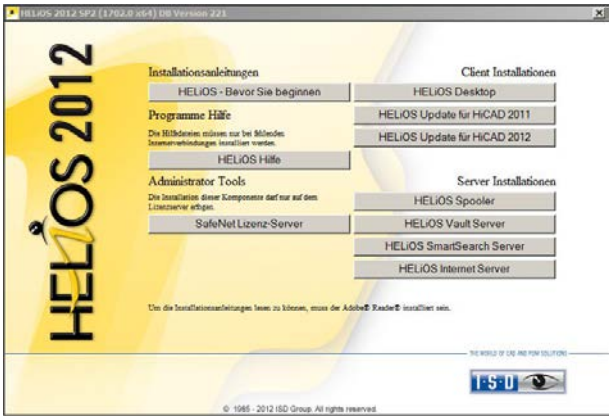
- HELiOS
- Online Help
- Vault Server
- License Server
- HELiOS Plot Management (Server Component Spooler)
- HELiOS Internet Server

The HELiOS DVD has been developed for Windows operating systems. When inserting the DVD, an installation wizard is 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.

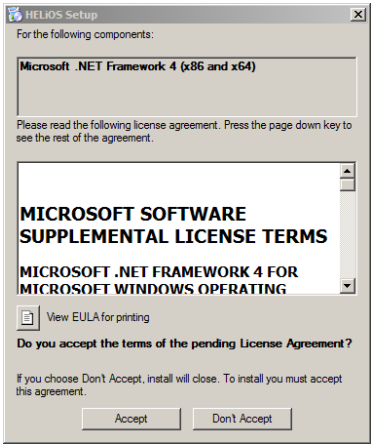
2.1 Installing HELiOS

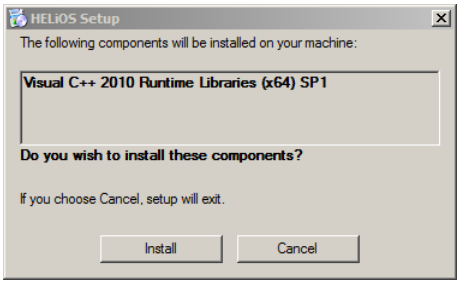
To install HELiOS, start Windows. If Windows is already open, close all other applications. Insert the HELiOS DVD in your DVD drive. The installation wizard will be started automatically. Follow the instructions on the screen.



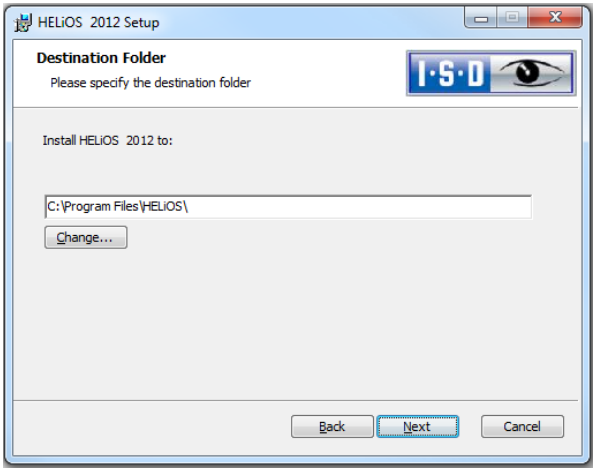
Click the **HELiOS** button to start the installation of the HELiOS Desktop.

Microsoft .NET Framework 4.0 or higher and **Visual C++ Runtime Libraries** need to be installed on the computer before HELiOS 2012 can be used; these packages will be installed now if required.

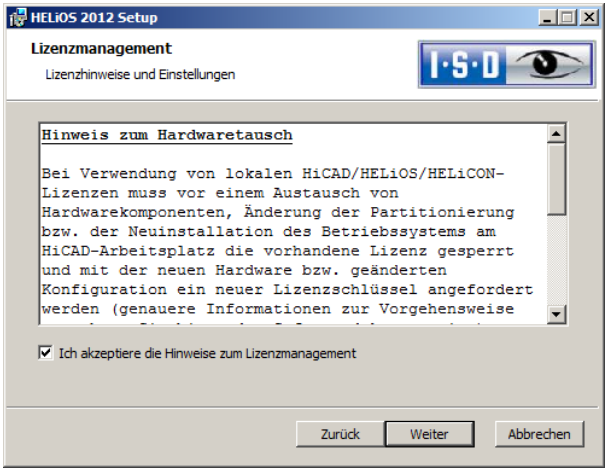



HELiOS Setup
The following components will be installed on your machine:
Visual C++ 2010 Runtime Libraries (x64) SP1
Do you wish to install these components?
If you choose Cancel, setup will exit.
Install
Cancel

HELiOS 2012 Setup
HELiOS 2012
Welcome to the HELiOS 2012 Setup Wizard
The Setup Wizard will install HELiOS 2012 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Back
Next
Cancel


HELiOS 2012 Setup
Destination Folder
Please specify the destination folder
I·S·D
Install HELiOS 2012 to:
C:\Program Files\HELiOS\
Change...
Back
Next
Cancel

Select an installation directory.



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

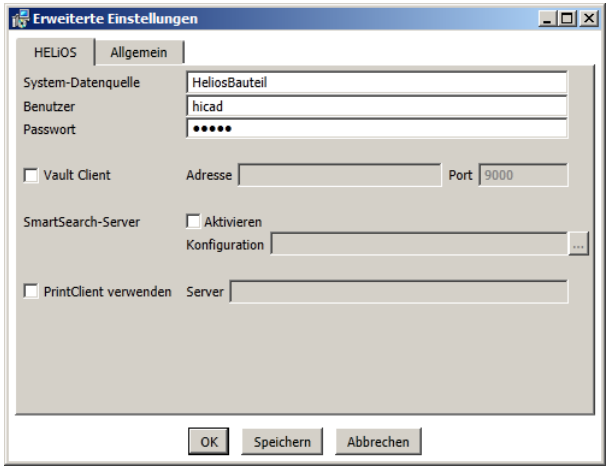
Notes on Hardware Exchange

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 HiCAD 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.

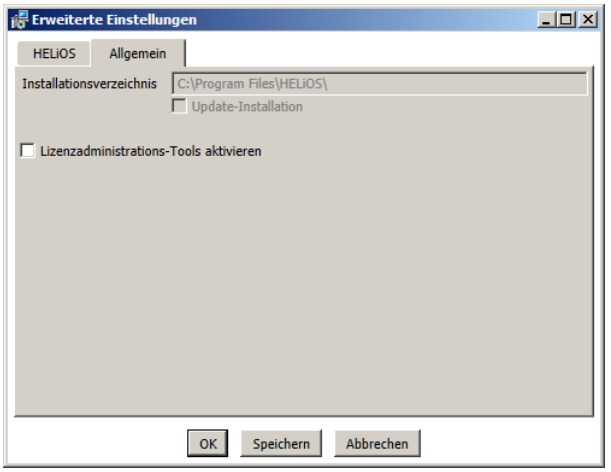
You can now start with the installation or modify the **Extended Settings**, e.g. for HELiOS.



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.

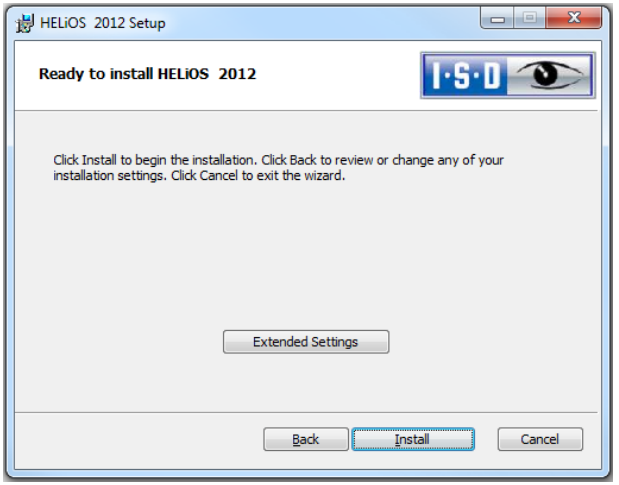
If you want to process your print jobs via the ISD **Plot Management**, you need to install one **PrintClient** on each workstation. In the **Server** field, enter the network name of the

computer on which the Spooler is installed. The Spooler collects the print jobs and processes them, taking your settings into account.

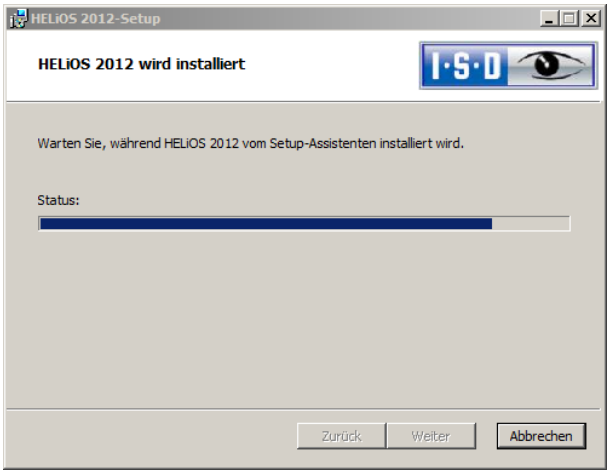


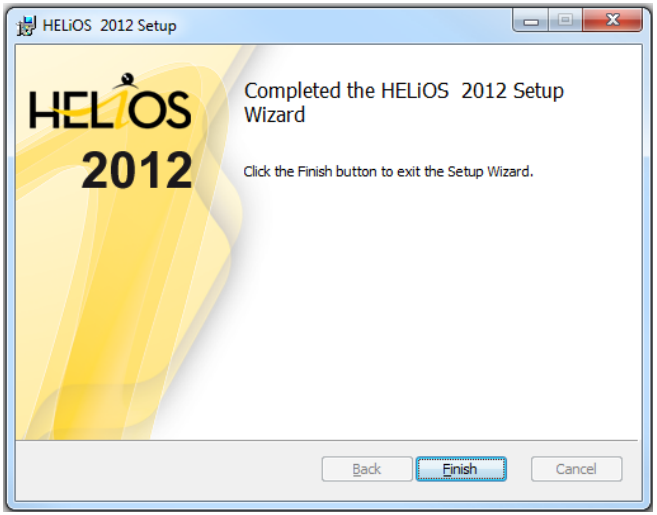
You need the **License Administration Tools** for the installation of server licenses.

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.



If you leave the **Extended Settings** dialogue with **OK**, the installation will be started.





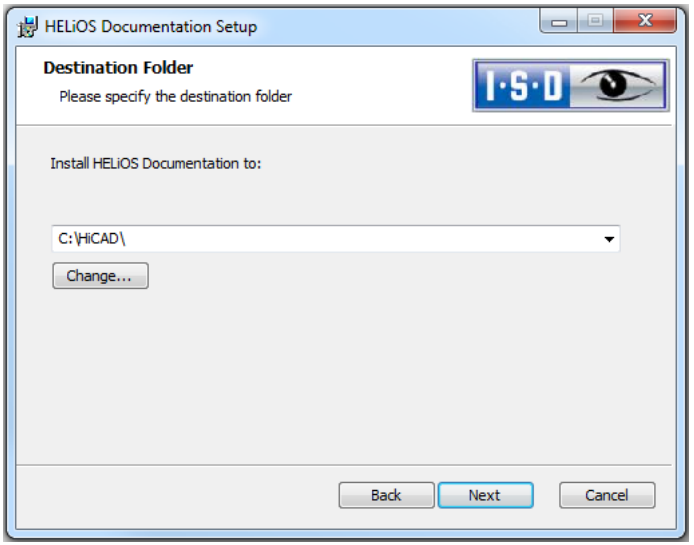
After successful installation, you will find the link to the HELiOS Desktop on the desktop for program launch.

2.2 Installing the Online Help

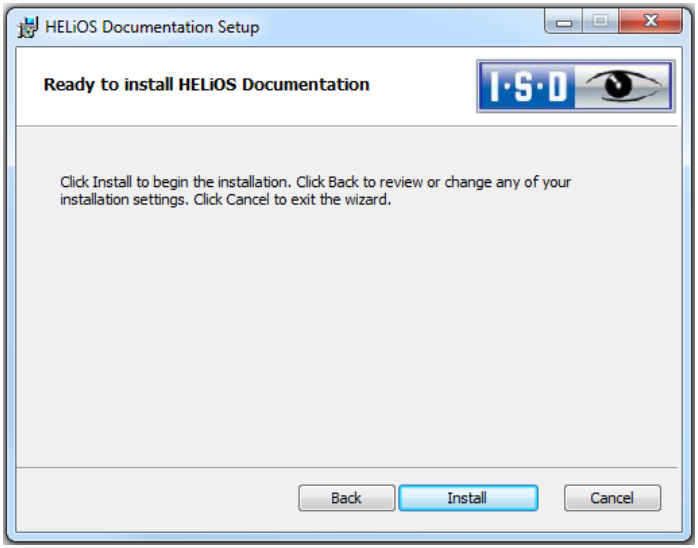
The Online Help is available locally (status of the date of installation DVD creation) and on the Internet (regularly updated) at help.isdgroup.com. Both versions of the Help can be directly started from HELiOS. Please note that corresponding login data are required to access the Internet version of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

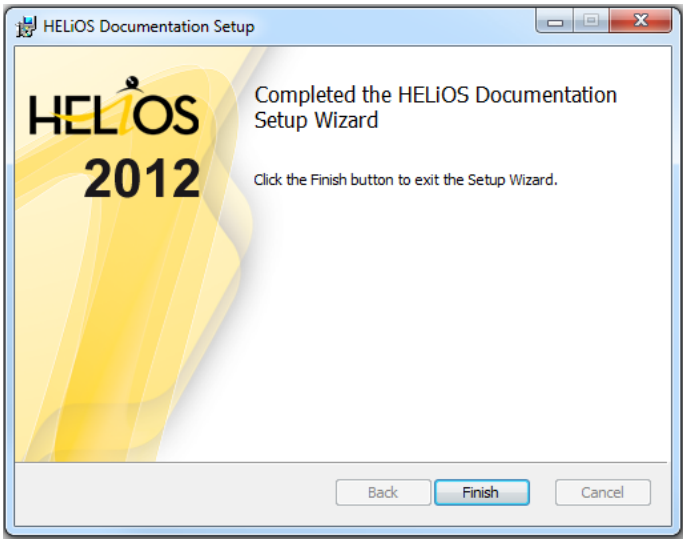
Start Windows to install the Help. If Windows is already open, close all other applications. Insert the DVD in the drive, which automatically starts the installation wizard.

Click the **HELiOS Help** button.



Specify the installation directory for HELiOS.



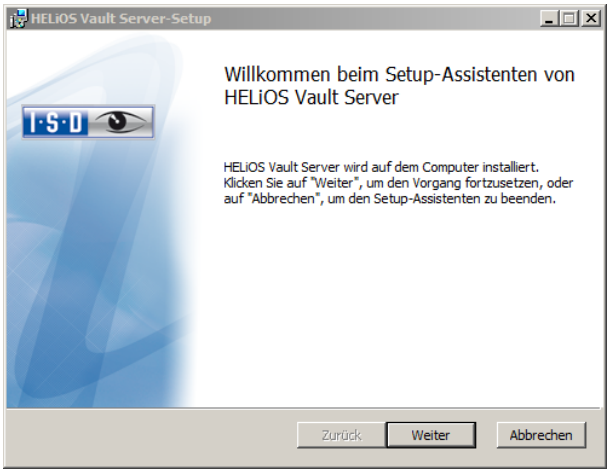


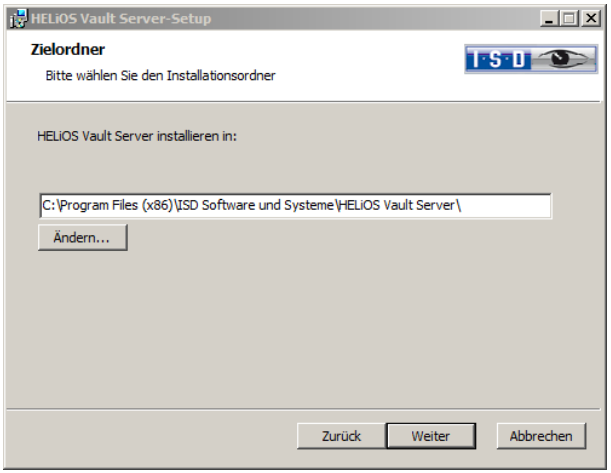
After successful installation, the Help can be found in the program folder and can be called via HELiOS.

2.3 Installing the Vault Server

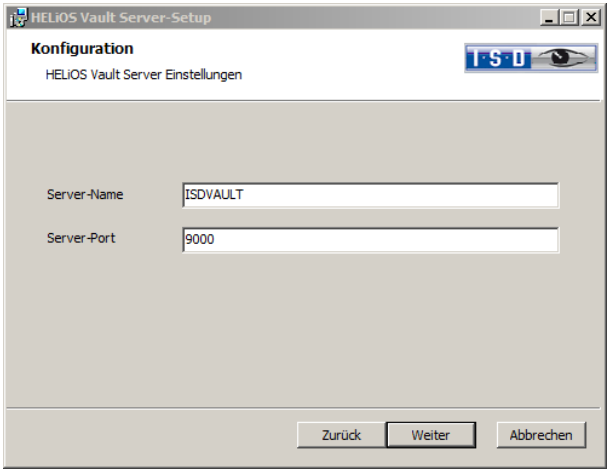
Start Windows to install the Vault Server. If Windows is already open, close all other applications. Insert the DVD in the DVD drive, which automatically starts the installation wizard.

Click the **Vault Server** button.

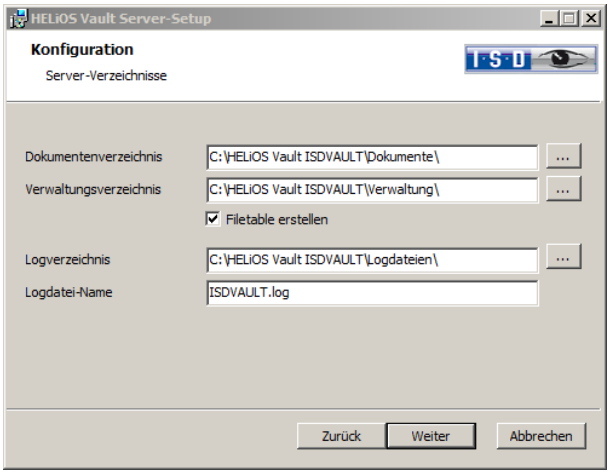




Specify the installation directory of the Vault Server.



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.



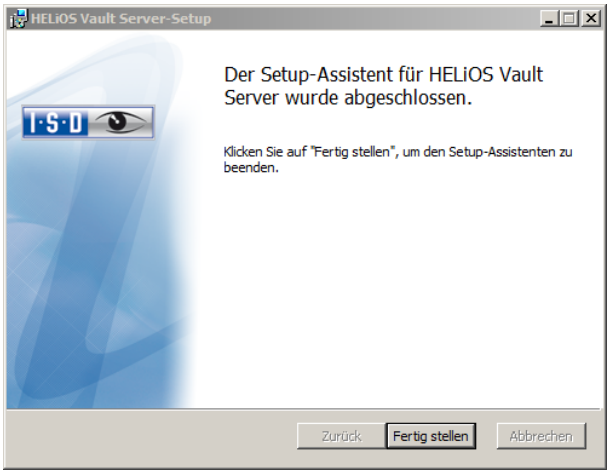
The Vault Server renames all documents that are managed in the database (e.g. SZA, DOC, XLS, …) to *.VDF. These VDF files are saved to the **Document directory**.

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 the **Install** button.



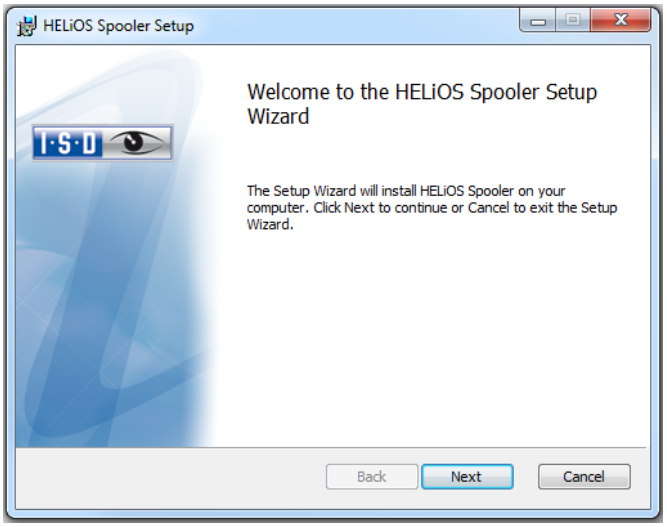
Click **Finish** to complete the installation of the Vault Server. You can now install further components offered in the selection mask if desired.

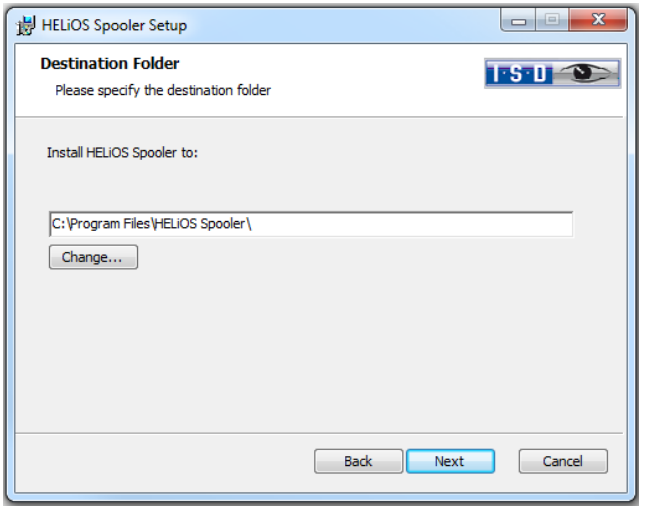
2.4 Installing the HELiOS Spooler

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

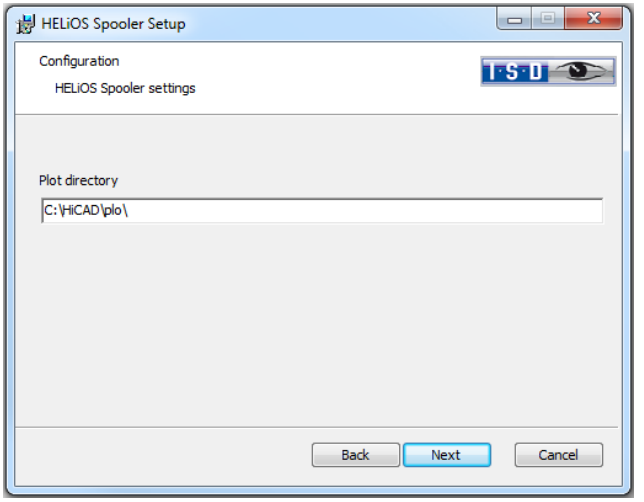
If you use Windows XP, Service Pack 3 is required for the Spooler.

Click the **HELiOS Spooler** button.

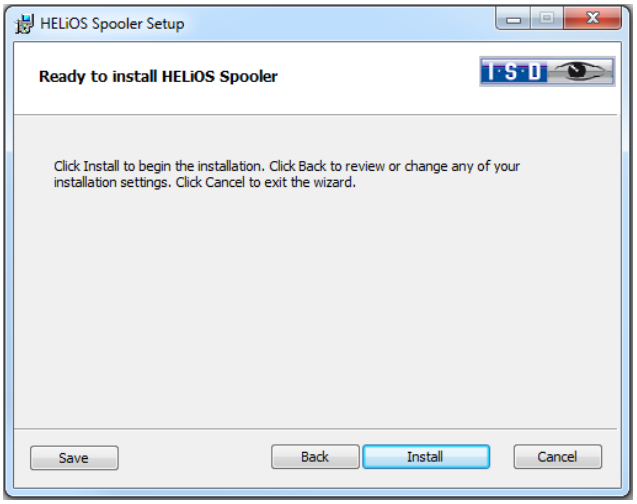


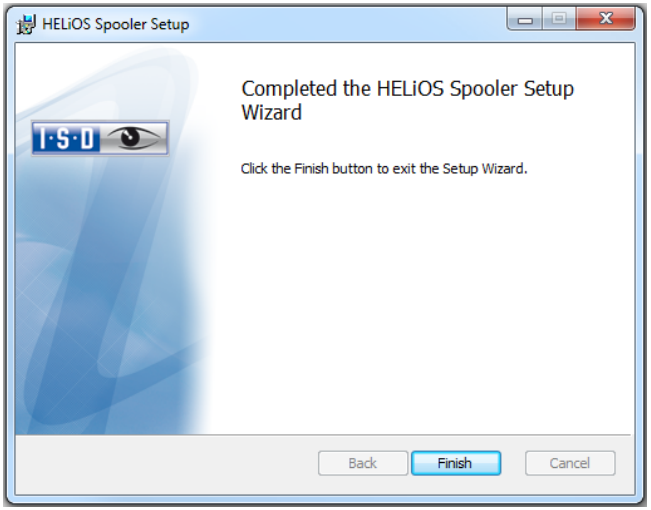


Specify the installation directory for the software.



Specify a default directory for the management of the print files.





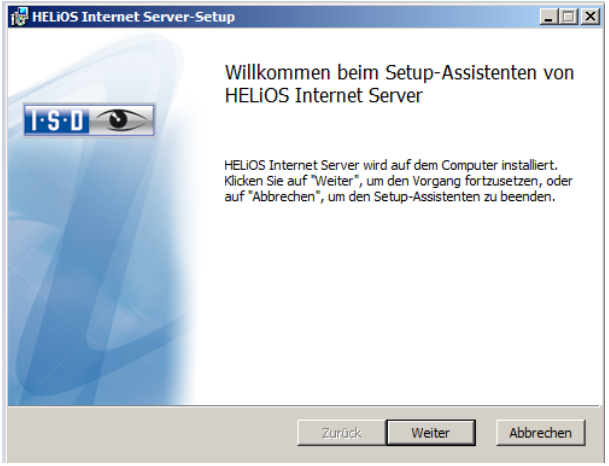
After successful installation, the HELiOS Spooler will be located in the program folder.

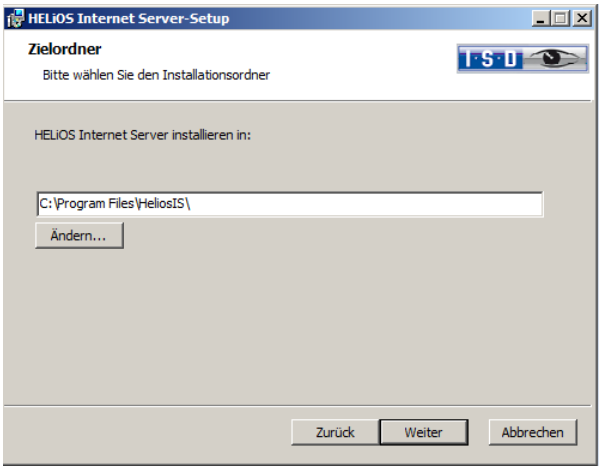
2.5 Installation of HELiOS Internet Server

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

If you use Windows XP, Service Pack 3 is required for the Spooler.

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**.

Start the installation.

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

3 Important Notes on Updates

3.1 HELiOS Update

When making 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 HiCAD/HELiOS. To update the database schema, use the program **HeliosDbUpdate.exe**. Please note the following:

Important

When making 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.

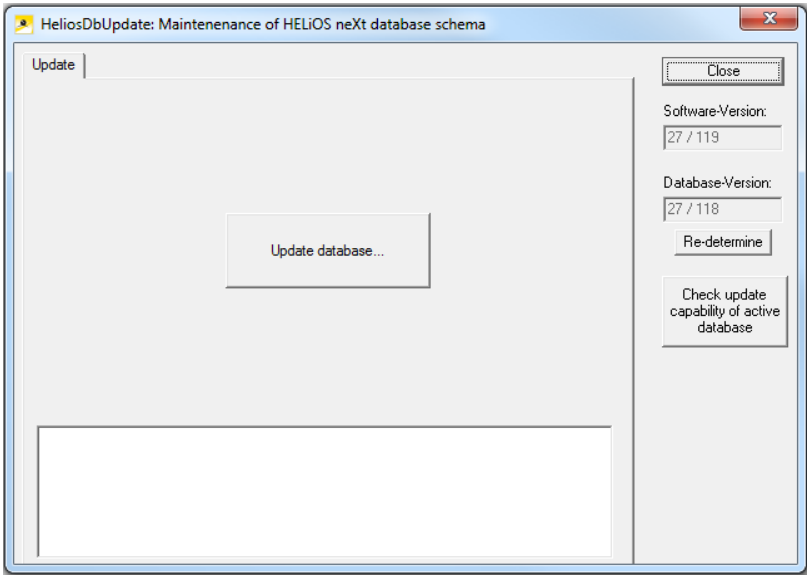
After a HELiOS update from Version 2008 (or older) to Version 2012, the database must be additionally converted from the ANSI to the Unicode character set.

3.1.1 Perform Update

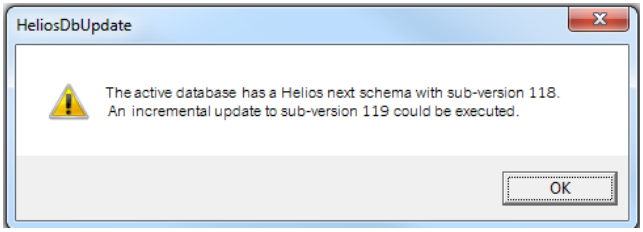
The update can be performed from any HELiOS/HiCAD workstation with a database connection.

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/HiCAD installation.

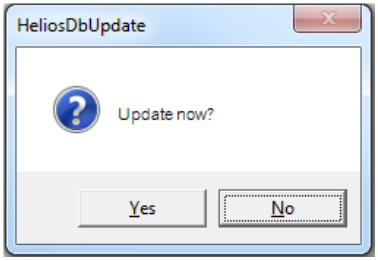
The following mask will be displayed after starting the program:



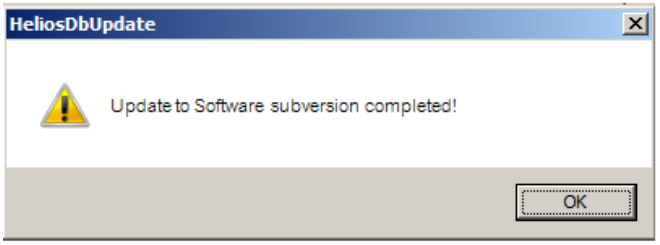
Click the **Update database...** button to start the update. The following message will be displayed:



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 must be identical.

3.2 Important Notes on Updates to Version 2012

3.2.1 Licensing

Version 2012 can be obtained either on an installation medium (DVD), or via download from the ISD Homepage.

As of HELiOS version 2010 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 4.3).

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 License Pool.

After updating HELiOS (from Version 2008 or older) to Version 2012, you must return your workstation dongle to the ISD. You can then no longer use any older HELiOS versions.

3.2.2 Perform HELiOS Installation

The installation of version 2012 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 of version 2010 to version 2012: An installation by the ISD is recommended.
- Update of version 2008 (or older) to version 2012: An installation by the ISD is recommended. The update installation includes a data conversion to UNICODE format.

» 3rd party CAD with HELiOS

- Update of version 2010 (or older) to version 2012: An installation by the ISD is recommended.

4 License Installation Guide (Version 2012)

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.

4.1 General Information about Licensing

4.1.1 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.

4.1.2 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!

4.1.3 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.

For computers possessing a WLAN card: Please switch off the WLAN card before executing the Get Identification Code command!

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. As of Version 1701 the activation status of the WLAN card will no longer be relevant.

4.2 Network Licenses

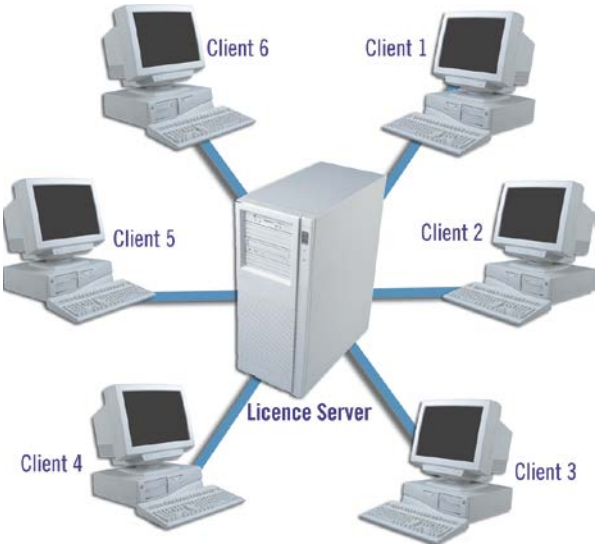
To be able to use network licenses, a License Server needs to be installed on a computer without HELiOS.

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). As of Version 1700 such scenarios can be realised in a much more convenient manner with a new licensing procedure.

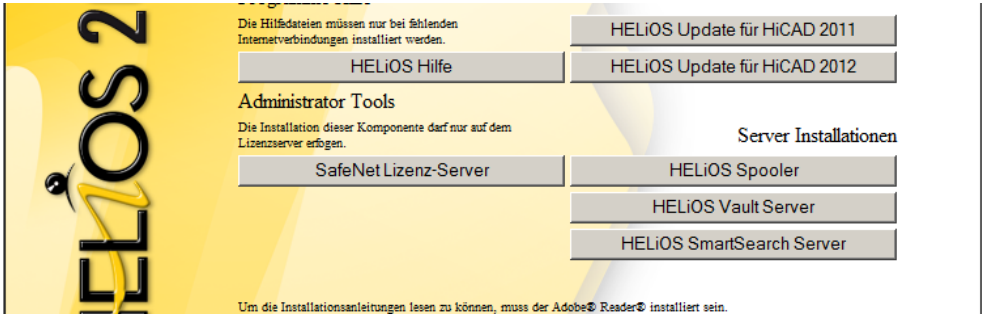
Please note:

- **As of 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!**

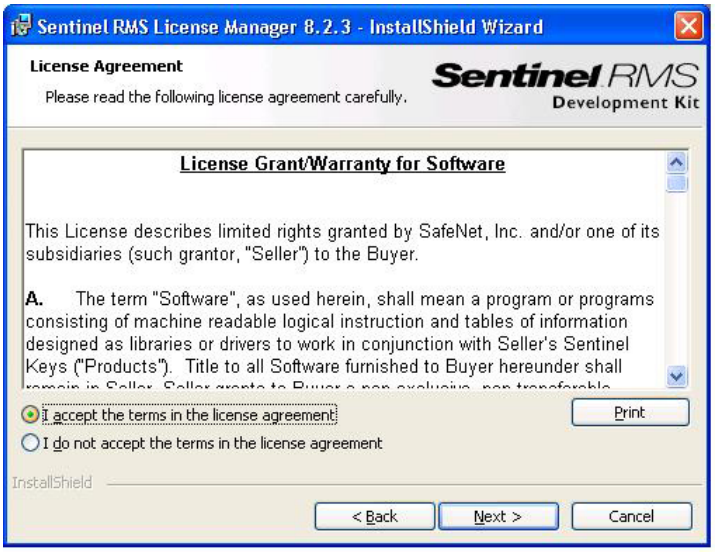


4.2.1 Server Installation

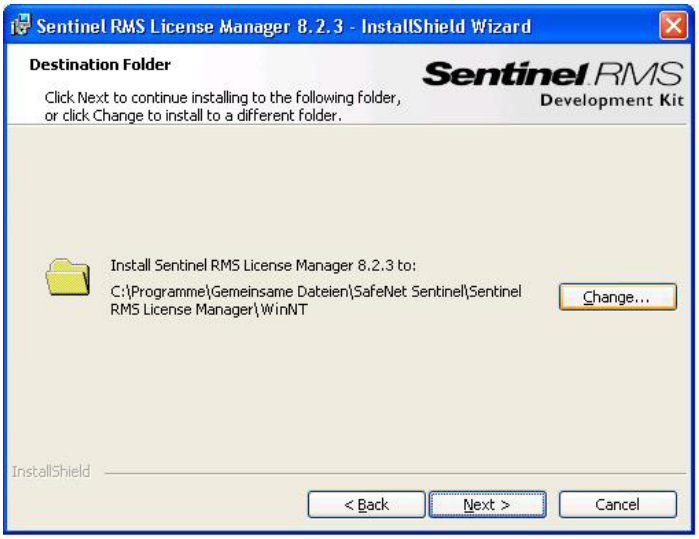
The installation of the **SafeNet License Server** takes place from the HELiOS DVD. Start Windows and insert the DVD in the DVD drive of your computer. The installation wizard will be displayed.

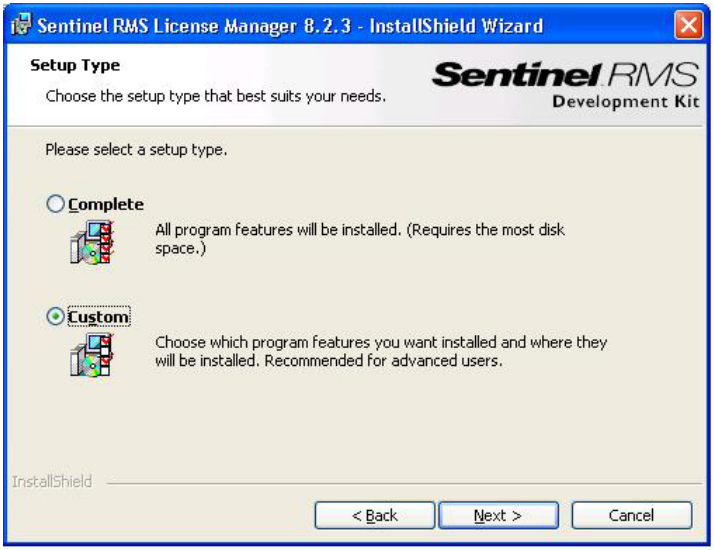


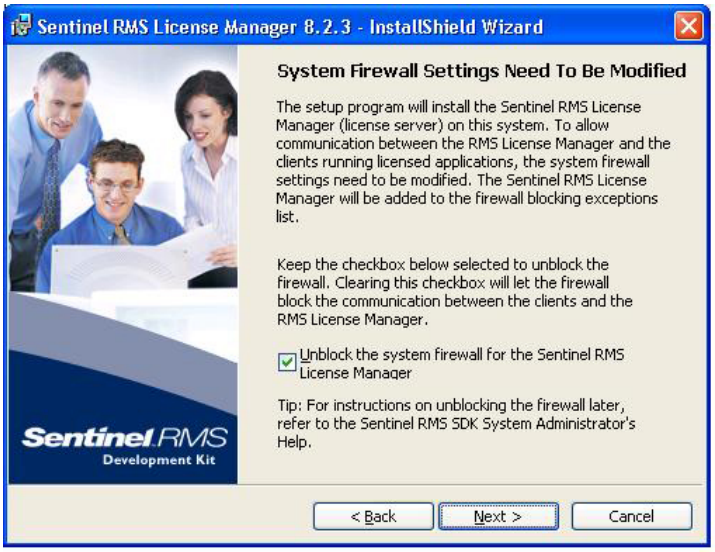
Start the installation of the **SafeNet License Server**.

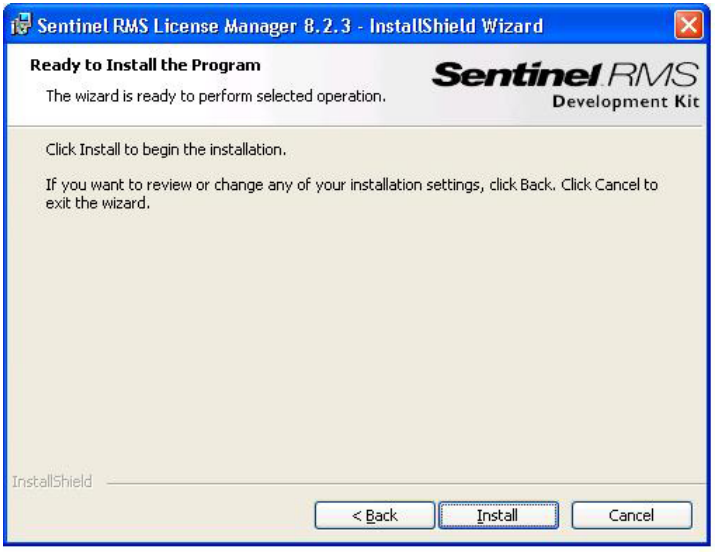

Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Sentinel RMS
Development Kit
License Grant/Warranty for Software
This License describes limited rights granted by SafeNet, Inc. and/or one of its subsidiaries (such grantor, "Seller") to the Buyer.
A. The term "Software", as used herein, shall mean a program or programs consisting of machine readable logical instruction and tables of information designed as libraries or drivers to work in conjunction with Seller's Sentinel Keys ("Products"). Title to all Software furnished to Buyer hereunder shall
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

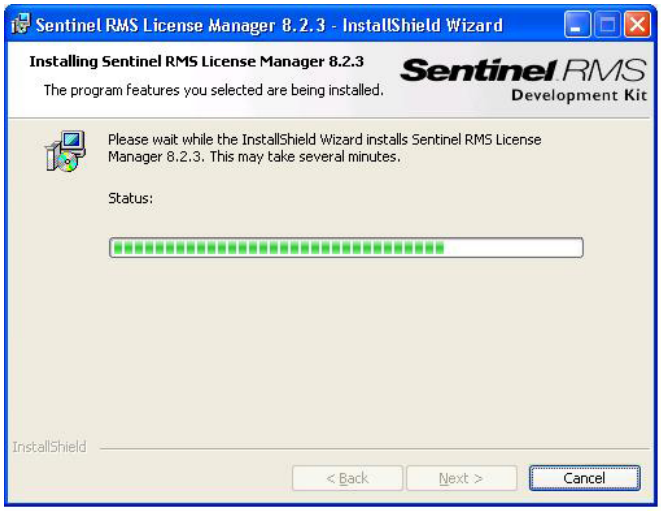
Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
Customer Information
Please enter your information.
Sentinel RMS
Development Kit
User Name:
username
Organization:
Install this application for:
Anyone who uses this computer (all users)
Only for me (smichin)
InstallShield
< Back
Next >
Cancel


Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
Destination Folder
Click Next to continue installing to the following folder, or click Change to install to a different folder.
Sentinel RMS
Development Kit
Install Sentinel RMS License Manager 8.2.3 to:
C:\Programme\Gemeinsame Dateien\SafeNet Sentinel\Sentinel RMS License Manager\WinNT
Change...
InstallShield
< Back
Next >
Cancel


Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
Setup Type
Choose the setup type that best suits your needs.
Sentinel RMS
Development Kit
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

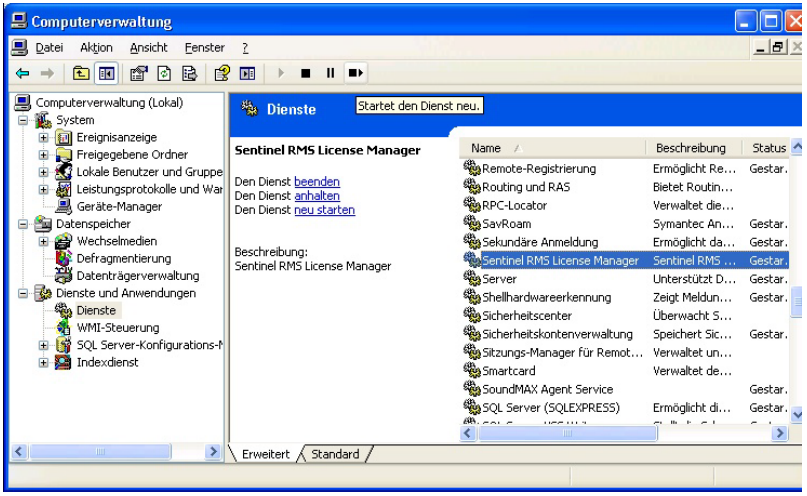

Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
System Firewall Settings Need To Be Modified
The setup program will install the Sentinel RMS License Manager (license server) on this system. To allow communication between the RMS License Manager and the clients running licensed applications, the system firewall settings need to be modified. The Sentinel RMS License Manager will be added to the firewall blocking exceptions list.
Keep the checkbox below selected to unblock the firewall. Clearing this checkbox will let the firewall block the communication between the clients and the RMS License Manager.
Unblock the system firewall for the Sentinel RMS License Manager
Tip: For instructions on unblocking the firewall later, refer to the Sentinel RMS SDK System Administrator's Help.
Sentinel RMS
Development Kit
< Back
Next >
Cancel


Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to perform selected operation.
Sentinel RMS
Development Kit
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel


Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
Installing Sentinel RMS License Manager 8.2.3
The program features you selected are being installed.
Sentinel RMS
Development Kit
Please wait while the InstallShield Wizard installs Sentinel RMS License Manager 8.2.3. This may take several minutes.
Status:
InstallShield
< Back
Next >
Cancel

Sentinel RMS License Manager 8.2.3 - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Sentinel RMS License Manager 8.2.3. Click Finish to exit the wizard.
Sentinel RMS
Development Kit
< Back
Finish
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.



4.2.2 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.

4.3 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.

4.3.1 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 2012 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:	01/18/2012
Customer:		End Date:	Never Expires
Contact:	musterfrau@isdgroup.de		

Associated Products

Product number	Quantity	Remaining quantity	Start Date	End Date	Status
E102SOL1001 1700.0	2	2	01/18/2012	03/31/2012	Enabled
E107BIB1001 1700.0	2	2	01/18/2012	03/31/2012	Enabled
E130SMB1001 1700.0	2	2	01/18/2012	03/31/2012	Enabled
MasterLic 1700.0	2	2	01/18/2012	03/31/2012	Enabled

Now, follow the steps given below to activate and manage your entitlement:
1. Start ISD License Manager 2.0.
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 activat.
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

© 2012 ISD Software und Systeme GmbH, All Rights Reserved

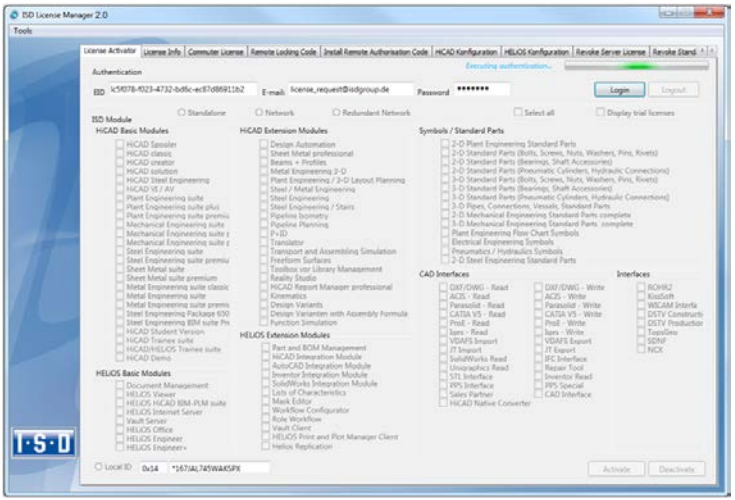
Please keep the Entitlement ID! Without this number you cannot activate or deactivate licenses. In case of a system crash a reconstruction of the licenses cannot take place without the Entitlement ID!

After installing 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 (x32 Server) via the Windows Start menu: Select Start > All programs > ISD Software und Systeme GmbH > Administration.

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.

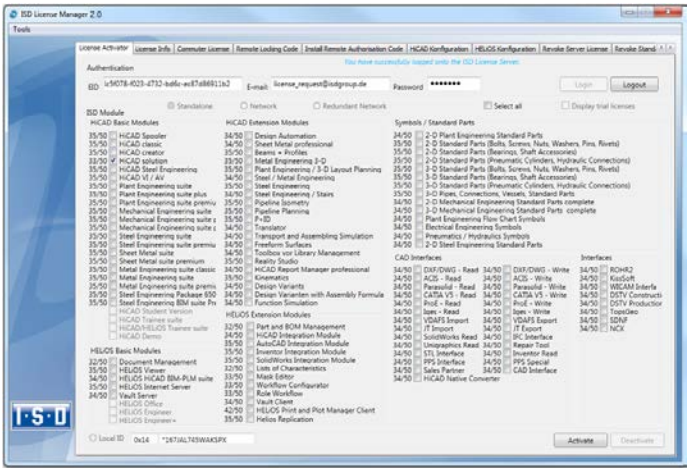


After entering the data, click **Login**. The ISD License Manager 2.0 connects to the ISD License Server and the acquired licenses will be displayed.

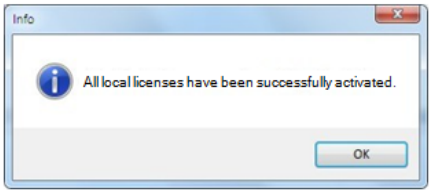
This process may take several minutes. You can then activate the licenses.

4.3.2 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:



You can then log out and start working with the HELiOS 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**.

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

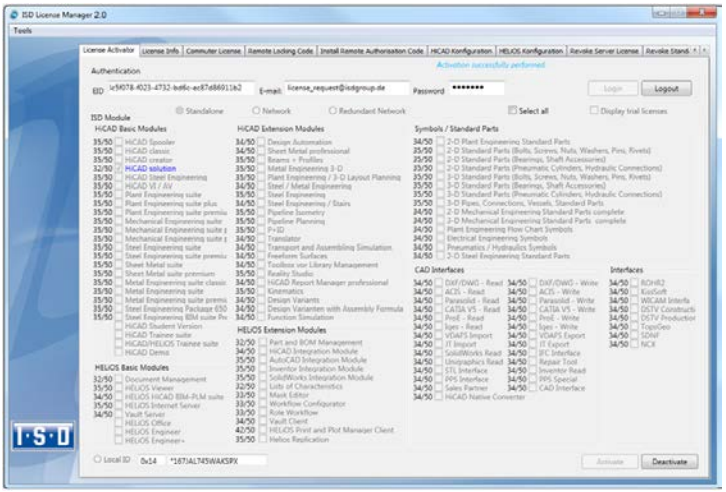
4.3.3 Deactivate Licenses

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 XP to Windows 7)
  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.

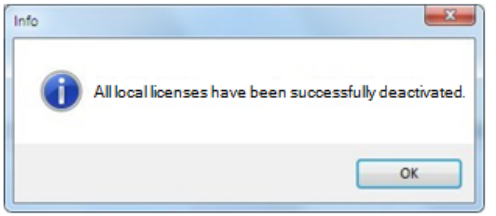
After starting the ISD License Manager 2.0 the activated modules will be highlighted in a different colour. Click the **Deactivate** button to revoke the activation of the modules.



A selection is not possible, as you need to deactivate all modules, no matter whether local licenses or network licenses.

The deactivation must not be disrupted, e.g. by a logout or the closing of ISD License Manager 2.0!

After successful deactivation the following message will be displayed:



4.3.4 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.

4.3.5 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).

4.3.6 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. As of Version 1701 the activation status of the WLAN card will no longer be relevant.

4.4 Commuter Licenses

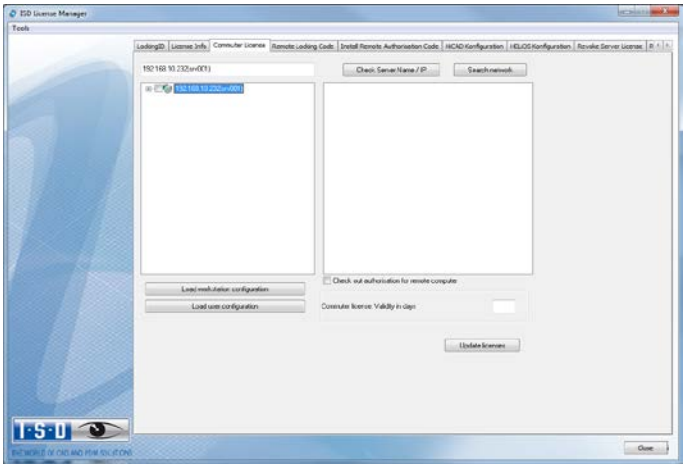
Commuter licenses enable you to use network licenses even if the workstation is not connected to the Server. There are two ways of receiving commuter licenses:

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

To activate/deactivate Network Licenses, Network Licenses always start the ISD License Manager (x32 Server) via the Windows Start menu: Select Start > All programs > ISD Software und Systeme GmbH > Administration.

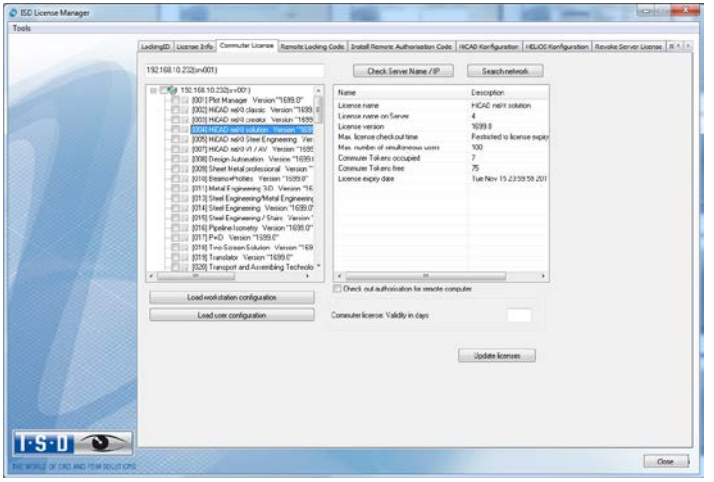
4.4.1 Direct Checkout from License Server

Start the **ISD License Manager (x32 Server)** 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 is displayed at start-up as pre-selection. Use the **Search network** button to automatically search for License Servers.

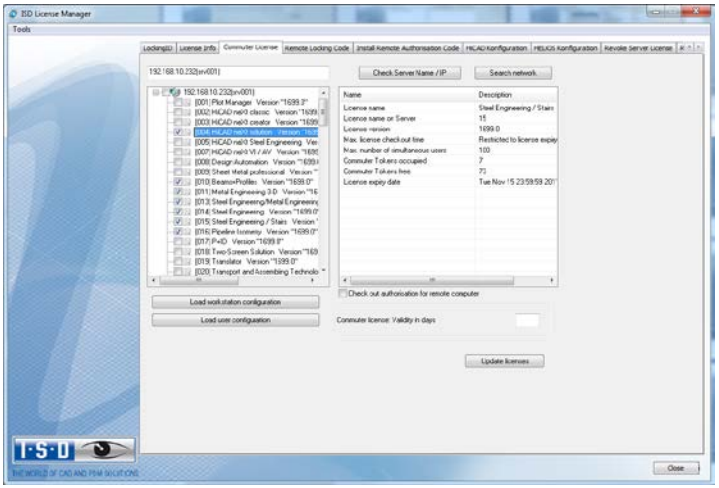
Expand the tree structure of the found Server by a click on the "+"-sign. The result looks as follows:



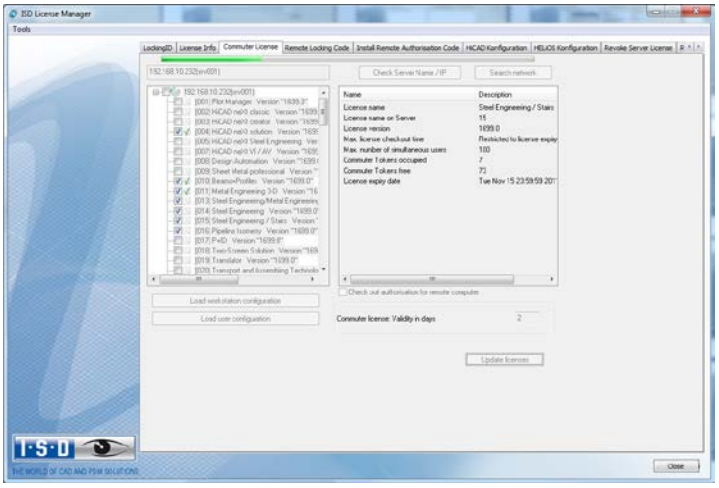
Select the required licenses by activating the corresponding checkboxes on the left hand side. On the right hand side, information on the selected license is displayed.

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.

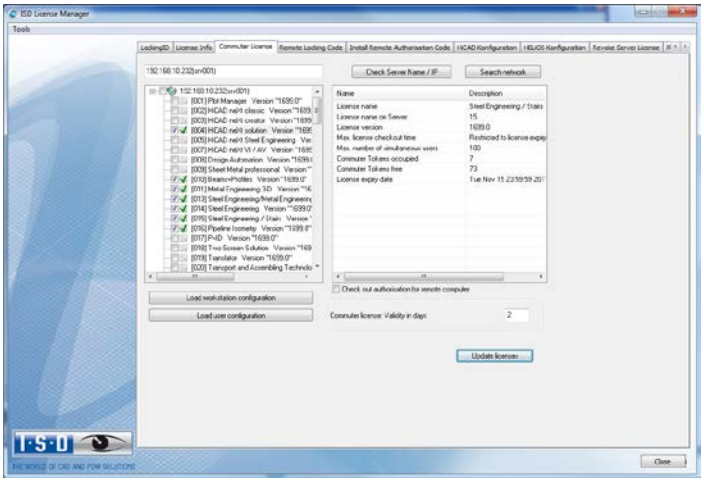
For reasons of safety you should check out the licenses only for the required period! If a commuter license is lost, e.g. because of theft or a defect of the client computer, the license on the Server cannot be used any more before expiry of this date!



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

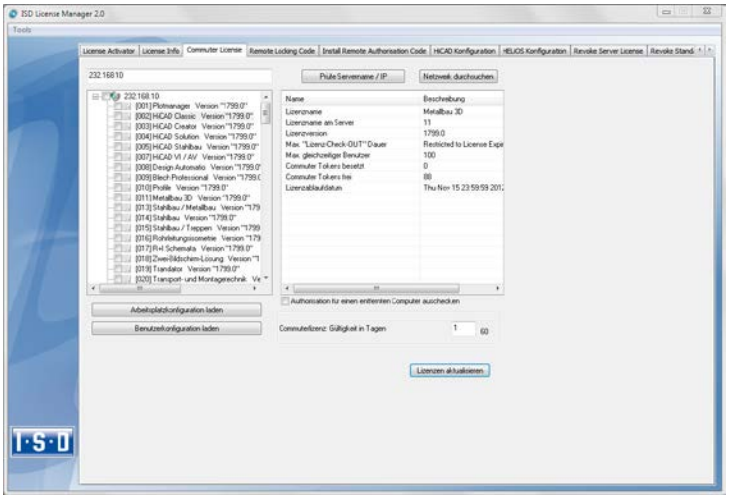


Commuter licenses are checked out from the Server.



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 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.



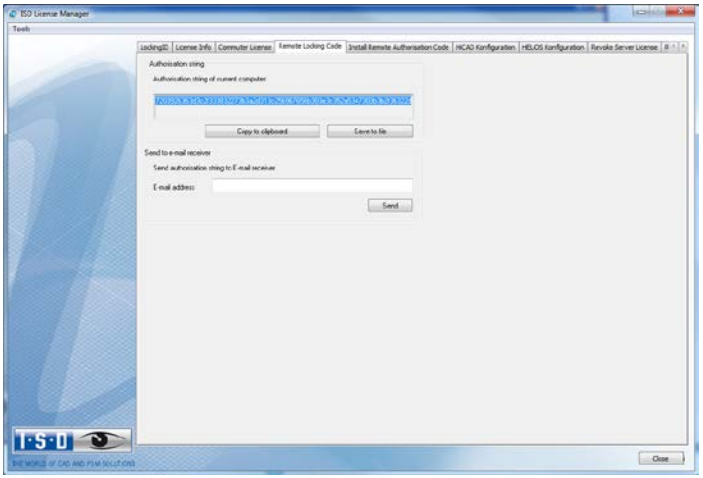
4.4.2 Checkout from License Server, Without Network Connection

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

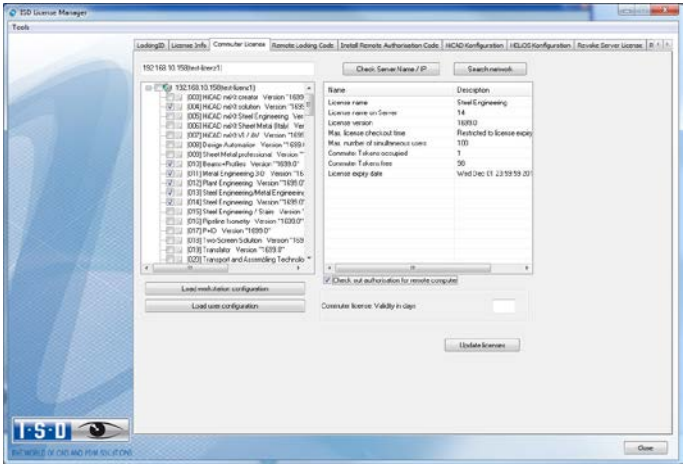
Please note that administrator rights are required.
Commuter licenses checked out in this way cannot be returned to the License Server! This means that the commuter licenses that have been checked out from the Server are only (automatically) made available again after their expiry date.

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.

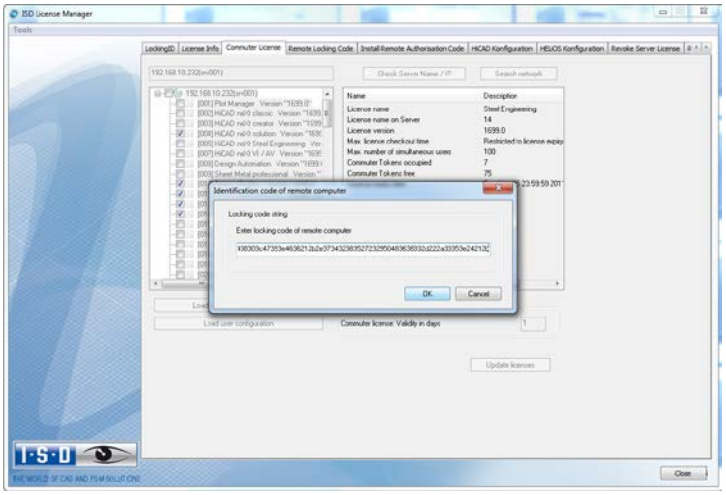
The Client starts the **ISD License Manager** tool, switches to the **Remote Locking Code** tab and sends the generated character set to the administrator (via E-mail or over the phone).



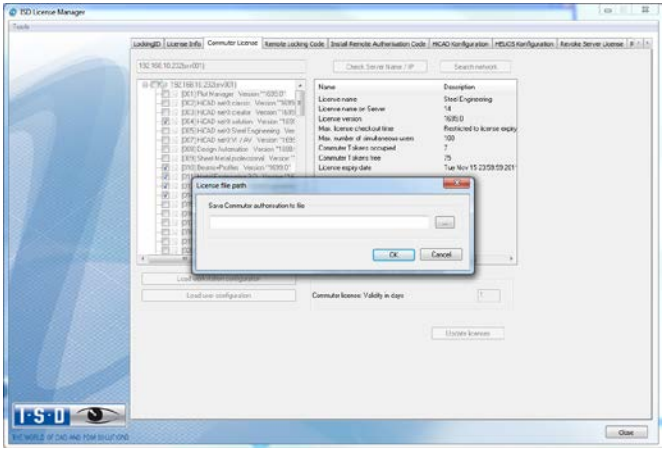
The administrator starts the **ISD License Manager (x32 Server)** and switches to the **Commuter License** tab. The License Server is selected, and the required licenses (modules) are activated in the left window. To checkout a remote commuter license the administrator now needs to activate the **Check out authorisation for remote computer** checkbox.



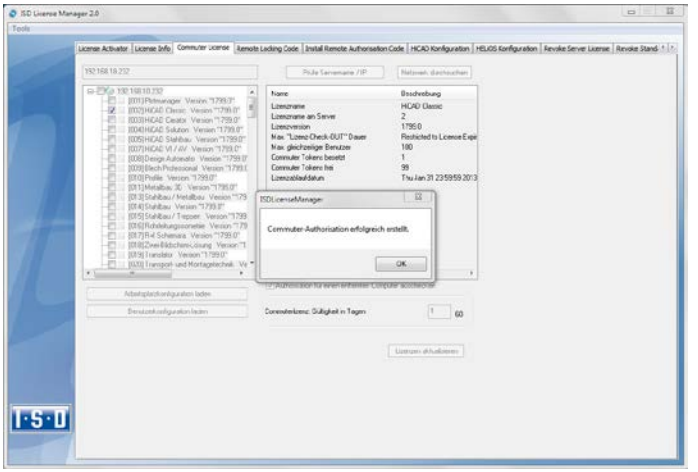
A click on the **Update licenses** button opens a new dialogue window, in which the administrator enters the character set received from the Client.



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

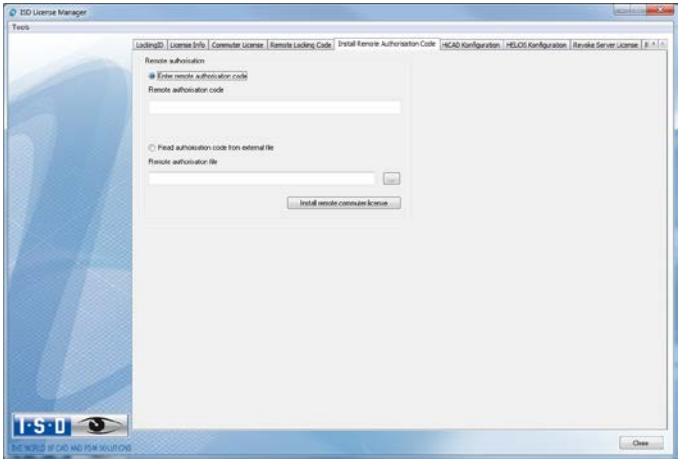


Click **OK** to check out the commuter licenses from the License Server and swap them out to a file, e.g. RemoteLicCode.lic.



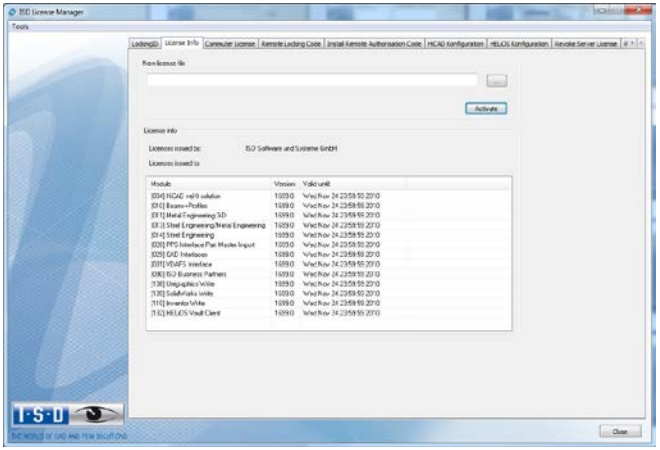
The successful checkout will be confirmed. The administrator then sends the file RemoteLicCode.lic to the Client.

After receiving the file with the commuter licenses, the Client starts the **ISD License Manager (x32 Server)** 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.

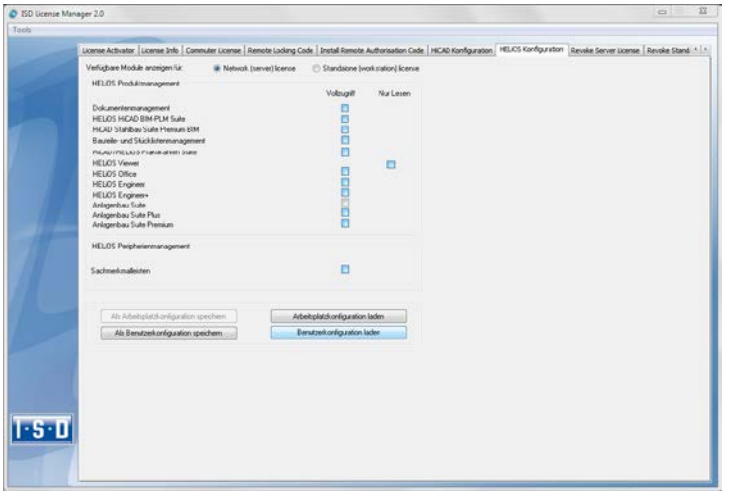
After successful installation, switch to the License Info tab. Press the F5 (Update) key on your keyboard. You are now informed which licenses are installed locally on the computer.



4.5 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 Plotmaanager. 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.



On the **HELiOS Configuration** tab of the **ISD License Manager (x32 Server)** 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.

4.6 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.de

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!

4.7 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.

5 Licenses Installation Guide (Version 2011)

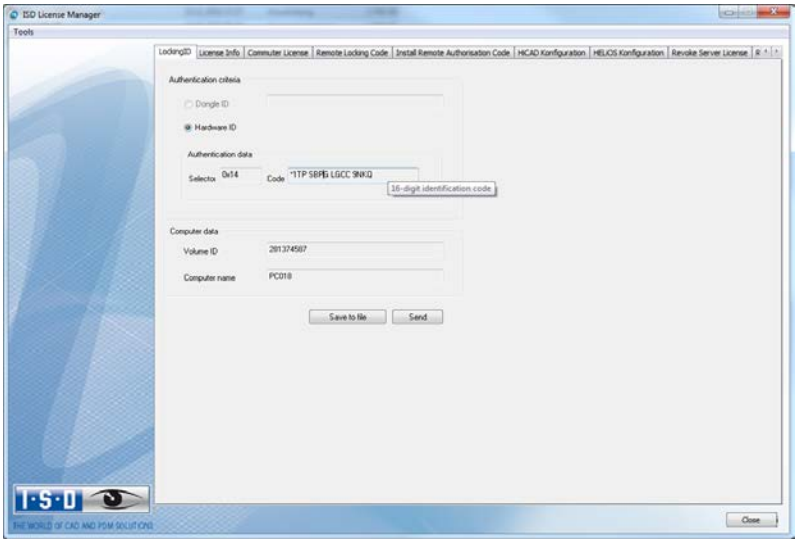
As of HELiOS 2012, the licensing procedure should only be performed as described in Paragraph 4.

For compatibility reasons, the following paragraph describes the procedure that is applied to Version 2011 and differs from the new procedure.

5.1 Generate Identification Code and Send to ISD

To generate the identification code, activate the Windows Start menu and select All Programs > ISD Software und Systeme > Administration > ISD License Manager (x32 Server).

For computers possessing a WLAN card: Please switch off the WLAN card before executing the Get Identification Code command!
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. As of Version 1701 the activation status of the WLAN card will no longer be relevant.



On the first tab you will find all information required for the generation of a new license. Click the **Send** button to automatically generate an E-mail with all necessary information. The E-mail will be opened with your standard E-mail program, enabling you to add your own message if desired. Alternatively, you can save these data to a text file and e-mail them to ISD Software und Systeme GmbH.

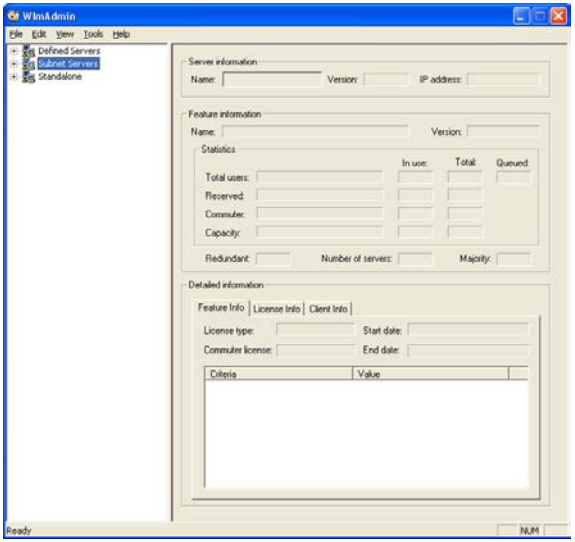
You can also send the **Selector** and **Code** keys back to ISD Software und Systeme GmbH by post. Please note however that this procedure will delay the licensing.

Based on the keys, a license for your computer will be generated and e-mailed to you.

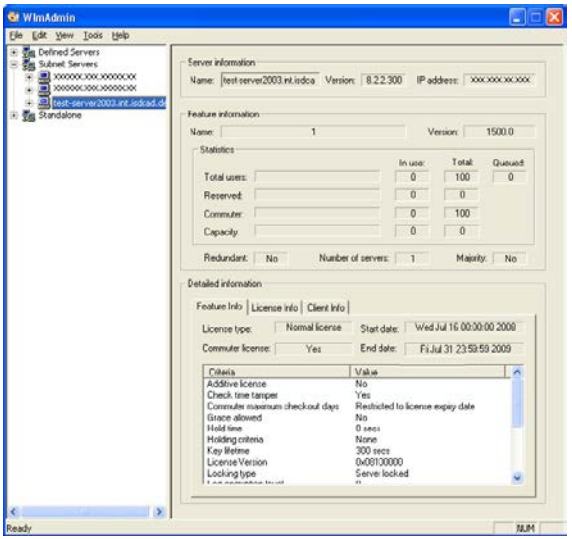
You will receive from the ISD Software und Systeme GmbH a self-executing license file (when it is sent by E-mail, the name of the file is [filename].**ex_** ; it needs to be renamed to [filename].**exe** before execution). Double-click to execute the license file. Please note that administrator rights are required for this.

After successful unpacking, the License Server is re-started automatically.

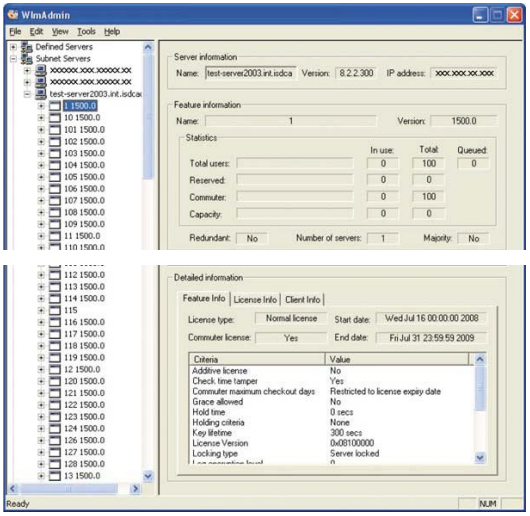
Use the **License Server Monitor** tool to check the installed files.



Expand the tree structure of the **Subnet Servers** entry to display all License Servers on your network.

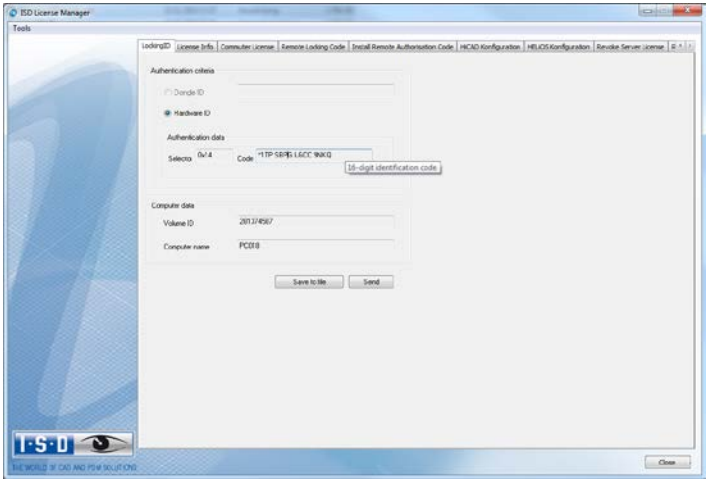


Then expand the tree structure of the installed Server (test-server2003.int.isdcad.de). All licenses installed and managed on the License Server are displayed.



5.2 Local Licenses

Local licenses are generated for a particular computer. To do this, activate the Windows **Start** menu and select **All Programs** > **ISD Software und Systeme** > **Administration** > **ISD License Manager (x32 Server).**



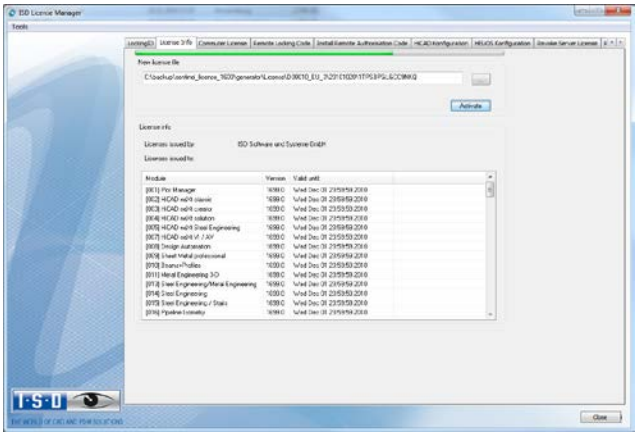
Click the **Send** button to automatically generate an E-mail with all necessary information. The E-mail will be opened with your standard E-mail program, enabling you to add your own message if desired. Alternatively, you can save these data to a text file and e-mail them to ISD Software und Systeme GmbH.

You can also send the **Selector** and **Code** keys back to ISD Software und Systeme GmbH by post. Please note however that the sending by E-mail is significantly faster.

Based on the keys, a license for your computer will be generated and e-mailed to you.

You will receive from the ISD Software und Systeme GmbH a self-executing license file (when it is sent by E-mail, the name of the file is [filename].**ex_** ; it needs to be renamed to [filename].**exe** before execution). Double-click to execute the license file. Please note that administrator rights are required for this.

The licenses are now unpacked and activated. After successful installation, the local licenses can be viewed on the **License Info** tab of the **ISD License Manager (x32 Server)**.



Press the F5 key to update the list of licenses.

5.3 Revoke Network Licence for Hardware Component Exchange

If you want to use a different computer as license server, or exchange hardware components (hard disk, graphic card, motherboard etc.) on the license server, the network licenses need to be revoked (i.e. locked) before the exchange. For this, the following requirements need to be fulfilled:

- Administration tools need to be installed on the License Server.
- All licenses on the network server need to be unlocked again. Please make sure that no application using these network licenses is running.
- All commuter licenses need to be checked in again.
- The License Server (service) must be running.

The revocation must take place before the exchange of hardware components. If the hardware is irreparably damaged, please contact the ISD Hotline (Email: hotline@isdgroup.de, Phone: 0049 - 231 9793 166).

Now carry out the following steps:

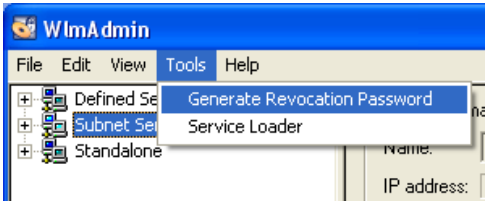
Step 1 – Generate Revocation Password File

To prevent the revocation of network licenses by unauthorized persons, a corresponding password file is required, which is generated with the help of the License Monitor tool. Only persons knowing the password are granted the rights for the revocation of their network licenses.

To generate the password file, proceed as follows:

- Open the ISD License Manager (x32 Server). Select Tools > License Monitor (WlmAdmin.exe).

» Select **Tools > Generate Revocation Password**.



The following dialogue is displayed:

» Enter the desired password (at least 8, but not more than 32 characters). **Please do not forget this password!** Without the password you cannot revoke your network licenses!

» Click **Generate**. The program prompts you to specify the storage location for the password file.

» Select a location and click **Save**. The password file will be saved, with the file name **sntlpassword.dat**, to the selected folder. Please note that the file name must not be changed. Do not forget this storage location, as the file needs to be copied to another folder at a later time.

Step 2 – Copy Password File to Working Directory of License Server

After generating the password file **sntlpassword.dat**, copy the file to the installation directory of the license server, if you have not already selected the directory when saving the file.

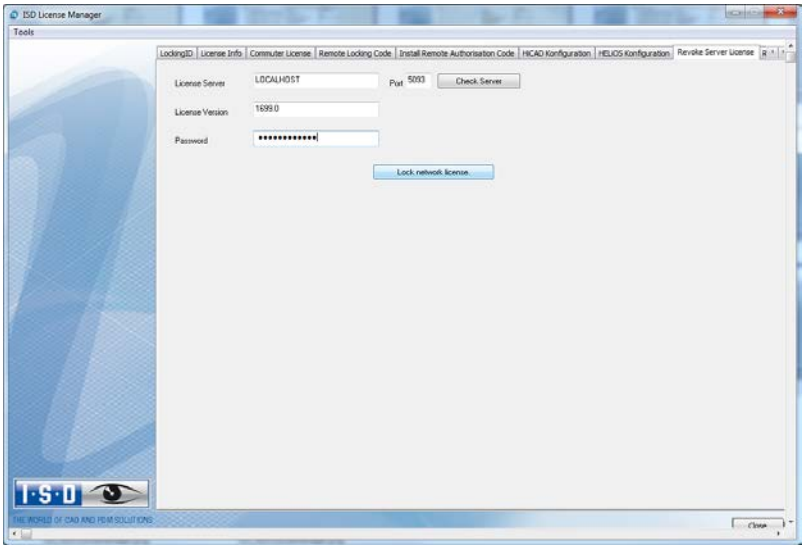
Default paths are as follows:

- **Windows XP 32 Bit**
  <OS Drive >:\Program Files\Common Files\SafeNet Sentinel\Sentinel RMS License Manager\WinNT
- **Windows 7 32 Bit**
  <OS Drive >:\Program Files\Common Files\SafeNet Sentinel\Sentinel RMS License Manager\WinNT
- **Windows 7 64 Bit**
  <OS Drive >:\Program Files(x86)\Common Files\SafeNet Sentinel\Sentinel RMS License Manager\WinNT

Step 3 – Revoke Network Licenses

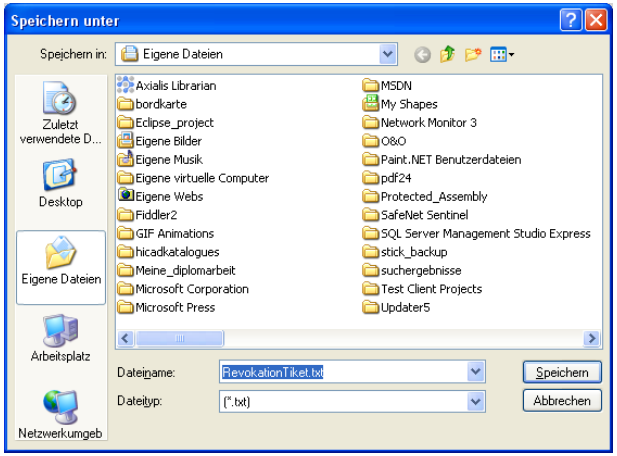
Please note that licenses can directly be revoked from a license server or from a client.

- Start the ISD License Manager (x32 Server) tool. Open the Revoke Server License tab.
- Enter the name of the server (LOCALHOST) on which you want to revoke the licenses.
- Enter the port number of the license server (Default: 5093). You can use the **Check Server** button to check your entries.
- Enter the number of the license version that you want to revoke. The version number can be checked in the License Monitor: Expand the Subnet Servers level containing the license server structure. The first number stands for the module number, the second number for the license version.
- Now enter the password. If you forgot your password, please repeat steps 1 and 2.



» Click the **Revoke network** license button.

» Select a storage location for the so-called "Revocation Ticket" file. The ISD requires this file for checking purposes and granting of new licenses.



An appropriate message will be issued, telling you whether the revocation was successful or not.

» Finally, send the revocation ticket to the E-mail address license_request@isdgroup.de.

Step 4 – Send Revocation Ticket File to ISD Software und Systeme GmbH

» Send the Revocation Ticket to license_request@isdgroup.de.

Step 5 – Install License Server Software on New Server Computer

The installation of the new License Server software and the detection of the new hardware ID on the new license server computer can take place before, at the same time of or after the revocation on the old computer.

The sending of the license file for the new Server can, however, only take place after receipt and verification of the revocation file for the old computer. All Server Licenses created after 1 August 2010 will therefore remain valid and utilisable for 4 days after revocation.

5.4 Revoke Local License for Hardware Component Exchange

To revoke a local license for hardware component exchange, or for the transfer to another computer, the following preconditions must be fulfilled:

» The revocation must take place before the hardware component exchange. If the hardware is irreparably damaged, please contact the ISD Hotline (Email: hotline@isdgroup.de, Phone: 0049 - 231 9793 166).

» You must be logged with administrator rights on the computer on which the revocation is to be performed.

» The HiCAD and HELiOS programs on the local computer must be closed.

Step 1 – Revoke Local License

» To revoke a local license, activate the Windows Start menu and select **All programs** > **ISD Software und Systeme** > **Administration > License Manager (x32 Server)**. Activate the **Revoke Standalone License** tab.

For operation systems with user account control please execute the program by right-clicking and selecting **As Administrator**; otherwise the functionality is greyed out.

» In the **LockLicense** program, the **HiCAD/HELiOS License** option must be activated, then select the appropriate option for license revocation; in the **License Manager** no further selection will be required, you can immediately click the **Revoke license** button.

» Click the **Send revocation code** button to create an E-mail containing all required information.

If no mail client is installed, you can also make a screenshot and send it to the ISD (Email: license_request@isdgroup.de; Fax:0049 - 231 9793 288). In either case please also provide the name of the computer on which the revocation is to be performed, as this will facilitate the assigning of the revocation code.

Step 2 – Request License for New Computer

At the same time you can request a new local license as described in paragraph 4.2.

The sending of the new license file can only take place after the revocation code of the old hardware has been received and verified by the ISD; the revoked license will therefore remain valid and utilisable for 4 days after revocation.

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.

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.

7.3 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.

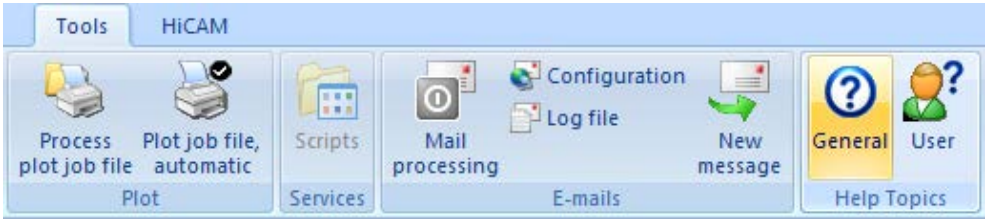
1. Activate the **Login** function on the QuickAccess toolbar.
2. Select a different user.
3. Change the active project if required and confirm the new settings with **Login**.

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.

As of Version 2012, 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, via Tools > Help Topics > General. You can select your preferred Online Help type via Configurations > Options > Help.



In order 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 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.

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.

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 2012?

Redesigned GUI and functionality:

» Enhanced functionality for Drag & Drop behaviour (also for Folder and Project structures).

- The dragging of a document from the Windows Desktop into the HELiOS Desktop results in an import to the HELiOS Desktop, while the source file will be retained. (SP2)
- Optimised search functions and result lists
- Optimised display and behaviour of list views and tree structures, also for project structures. (SP2)
- Documents can be loaded as read-only files (via context menu)
- When re-importing files, you can now also check in files with changed extensions (e.g. files changed from .doc to .docx). (SP2)
- New Mark Up / Redlining options (SP2)

  It is generally possible to indicate in result lists whether a redlining document exists for a file.

  If a mark-up document exists for a .SZA file that has been opened in the HELiOS Desktop, you will be asked if this document should be opened.

Multiple classification:

» It is now possible to assign objects to multiple classes and lists of characteristics, which do not need to be hierarchically related to each other.

Support of text fields with line break:

» Text attributes can now consist of more than 255 characters and several lines if desired. To be able to use this feature, you need to assign the corresponding attributes to the required text fields (New: Unlimited text length, Line break possible).

Office and CAD Interfaces:

» HELiOS 2012 offers Plug-ins for the following versions of external CAD systems:

- Autocad 2011,
- Inventor 2011, and
- SolidWorks 2011

(both 32 and 64Bit);

As well as a permanent MS Office interface (incl. Outlook).

» The Plug-in for SolidWorks has been enhanced. Besides, it is now possible to insert Standard Parts in HiCAD via the part master of the HELiOS database. (SP2)

Material Manager: Transfer of User Materials:

» The Material Manager (materialmanager.exe) that enables a taking over of materials from the Catalogue Editor to HELiOS, now also allows a transfer of user-defined materials in the Factory Standards catalogue to HELiOS. (SP1)

Support of further formats in the Plot Manager:

» In the HELiOS Desktop, documents can be converted to other formats via output to the Plot Manager. Besides the DXF and DWG formats, conversions to Iges, Step or 3D-PDF file are now also possible. (SP1)

Terminal Server Adjustment:

» To ensure a smooth operation of HELiOS in a Terminal Server environment, several adjustments and optimisations of the system have been carried out. (SP1)

Internet Server:

» The HELiOS Internet Server provides the option to access, with the help of a web interface, an active HELiOS database, where you can then search for and call detail masks for documents, parts, folders and projects as a client. (SP1)

Vault-Server for several suppliers:

» Thanks to an enhancement of the Vault Server architecture it is now possible to provide specific Vault Servers with particular contents via a central Vault Server. For more detailed information, please contact our Consulting staff. (SP2)

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Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

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