CONTENT

INSTALLATION

GENERAL REMARKS

Please read this document carefully before starting the installation procedure. If you still have any questions concerning the installation, please contact the hotline.
Please consider the requirements for the hardware and operating system. See www.elitecad.eu.

Licensing
The licensing mode is independent of the installation and is configured independently for each workstation using the ELITECAD configuration. You can find the details for licensing in the chapter Codeword check.

Content of the installation
There is only one installation program for all ELITECAD programs, as well as additional programs and components. This program is called **SuiteSetup.exe** and is launched from the ELITECAD installation medium.

The **ELITECAD installation medium** is either an USB stick or a downloaded installation file. A plugged in USB stick is displayed as a drive in the windows explorer. Alternatively, once the installation file is double-clicked, its content is displayed as a drive as well.

An ELITECAD installation consists of the respective program (Architecture, Mechanics, Viewer, Styler) and depending on the program further mandatory or optional multiple components.

- MySQL-database (material, quantification, default values)
- Library
- Example projects

Additional independent programs are installed with the installation program

- License server
- Offplot
- Acrobat Reader

INSTALLATION PROCEDURE

Start SuiteSetup.exe from the ELITECAD installation medium and follow the installation procedure by executing the following steps:

- **Choose your language**
- **Accept the license agreement**
- **Specify the destination paths**
- **Choose the setup type**
  depending on type of installation choose *Typical* or *Custom*
- **Start the installation**

Configuration
The first configuration will start automatically after successful installation of ELITECAD. You can start the configuration at any time in the Windows start menu.

Check the language and the region for your user interface and the paths.
The language setting defines the language for the user interface.
The region defines, which country specific settings are used.

Codeword entry
Select the mode of licensing in the configuration. If necessary, start the codeword entry. You can find the details for licensing in the chapter Codeword check.

ELITECAD

Installation type

ELITECAD can be prepared for a stand-alone application on a single computer or for a usage in cooperation with many users in a network environment.

	single user	multi user	client/server
program	local	local	network
database	local	network	network

The destination path for the library and the project directory is entered during the installation procedure. Both can be configured on a local computer or in a network directory for the common usage in a project team.

Single user installation

The simplest type of installation is the single user installation with the program and database installed on the local computer.

Start SuiteSetup.exe from the ELITECAD installation medium on your computer and perform all steps as described in installation procedure.

Chose the setup type **Typical.**

Example projects and library are installed in the specified path and can be located in a network directory as well.

Multi user installation

In a multi user installation, multiple users share a common database. The ELITECAD database contains common data and user dependent data.

All components that are shared by multiple users should be previously installed on the server.

Step 1 – Server installation
Start SuiteSetup.exe from the ELITECAD installation medium on the server and perform all steps as described in installation procedure.

Chose the setup type **Custom.**

- Deactivate all programs
- Select all components to be shared
  - MySQL-database (activate)
  - Example projects (activate)
  - Library (optional)

Example projects and library are installed in the specified path and are located in a network directory for common access.

License server
If the licensing of ELITECAD should be accomplished by a license server, please install the license server software now. Description see chapter Installation of the license server.
You find the details for licensing in the chapter Codeword check.

Step 2 – Client installation
Start SuiteSetup.exe from the ELITECAD installation medium on your PC and perform all steps as described in installation procedure.

Specify the same project directory that was specified during the server installation.

Chose the setup type **Custom.**
- Activate the respective ELITECAD program
- Deselect all components to be shared.
  These are already installed on the server.
  - MySQL-database (deactivate)
  - Example projects (deactivate)
  - Library (optional)

Example projects and optionally the library are not installed anymore because they are already installed on the server.

Configuration of MySQL database on the client
- Open the dialog window to configure the database connection in the ELITECAD configuration
- Enter the name of the server, where the database has been installed
- You can take the port number from the file *<MySQL-Installation-directory>\EliteSuite\MySQL\<version>_ar\Program\server.ini* on the server

Client/server installation

In a client/server installation, many users share a common complete ELITECAD installation on a server. This approach simplifies maintenance when installing updates, because this has to be accomplished only once.

Preparations for the client computer
First, connect the server installation paths as network directories. Use the drive letter for specifying the paths. A path specification written *\\<servername>\Installationpath* is not allowed.

The installation procedure for a client/server installation is identical with a multi user installation with the following difference:
- For step 1 (server installation) chose the respective ELITECAD program
- For step 2 (client computer) chose ELITECAD Client

On the local computer, only the minimal actions are executed (e.g. registration of the software, creation of some directories).

Note: ELITECAD can be started on the server as well.

ADDITIONAL SOFTWARE

Following programs can be installed:

License server
The license server is an optional software for the management of codewords. The program is installed on a server, from which the individual ELITECAD clients retrieve their codewords.

Offplot
Offplot is an optional software for the management of plot jobs.

Acrobat Reader
Acrobat Reader® is a free software from Adobe Systems Software for viewing PDF-documents.

License server, Offplot, Acrobat Reader

Start SuiteSetup.exe from the ELITECAD installation medium and perform all steps as described in installation procedure.

Select the installation type **Custom**.
- Deactivate all programs and components
- Activate the desired additional software

Starting the ELITECAD configuration is not required for additional software.

VIRTUAL REALITY SETUP

The document „VR-Setup" describes the installation procedure for VR devices step by step. The document is located in the folder *<installation-path>\u\<version>\doc\en\cad* of the ELITECAD installation.

INSTALLATION TIPS

If you encounter any problems during the installation, please contact the hotline. Our hotline offers free support for all ELITECAD installation problems.

You are free to try one of the following actions.

- Run the installation as administrator or with administrator rights.
- Temporarily deactivate a firewall if any is active
- Temporarily deactivate an antivirus software if any is active

DE-INSTALLATION

If you want to de-install ELITECAD completely including all components, chose EliteSuite in the Windows program management. Otherwise, just select the single component to be de-installed.

CONFIGURATION

INTRODUCTION

The majority of settings in ELITECAD can be changed at runtime (e.g. menu SETTINGS > OPTIONS).
Some settings on the other hand have to be set at program start, and cannot be changed during program execution. These settings can be defined in the ELITECAD configuration program. Depending on the installed program, some settings may be disabled.

ELITECAD saves settings individually for each user. Therefore, the configuration has to be done for every ELITECAD user upon registration.

To ensure correct operation of ELITECAD for every user, the configuration program should be started, and the settings should be checked and closed with OK at least once, even if there were no changes made to the settings.

Information about trademarks
Microsoft and Windows are licensed names of the Microsoft Corporation.

OPEN ELITECAD CONFIGURATION

Windows start menu > ELITECAD configuration

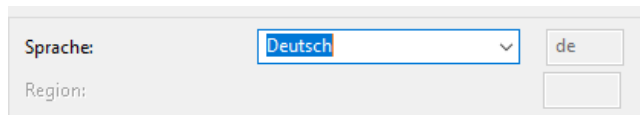
The changed settings will be active upon the next start of ELITECAD.

LANGUAGE, REGION, VIEWER MODE

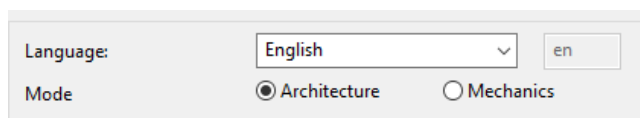Depending on the installed program, different options are offered in the ELITECAD configuration:

ELITECAD Architecture

ELITECAD Mechanics

ELITECAD Viewer, Styler

Language

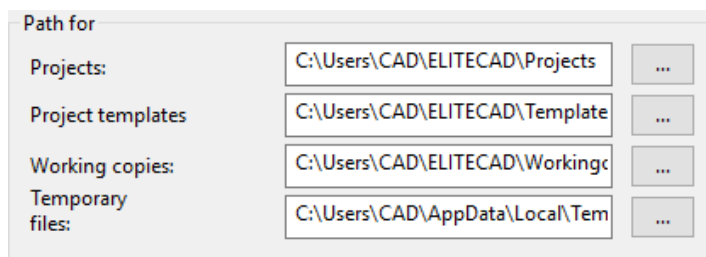This setting specifies the language of the user interface.

Region

This setting specifies which country-specific parameters will be used in ELITECAD (e.g. Parameters for dimensions, hatches, architecture-objects, mechanical-objects). Optionally it is possible to use the region settings from the Windows system settings. The region is selectable only in ELITECAD Architecture. In ELITECAD Mechanics, the region is identical with the language.

Viewer mode

The viewer mode defines which functions will be available in the ELITECAD Viewer or Styler. E.g. storey management in architecture mode or assembly management in mechanical mode.

PATHS

Path for projects

Compare Appendix > Recommended Configuration
This path will be used to create projects. The project path is already defined during installation. It can also be located on a server.

Path for project templates

This path will be used to provide project templates for ELITECAD Architecture. The directory can be chosen arbitrarily and may be located on a server as well.

Path for working copies

Compare Appendix > Recommended Configuration
This path is used to create working copies (temporary files). It should be a path to a local directory.
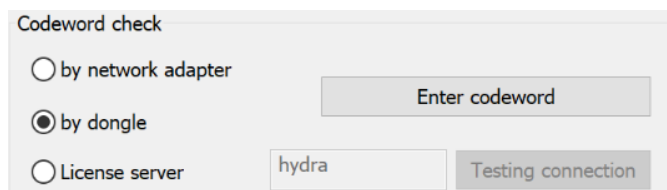
Path for temporary files

Compare Appendix > Recommended Configuration
This directory will be used to save various files during program execution (e.g. protocol files). This path should be a local directory as well.

─────── TIPP

Upon loading (storing) of drawings from the network, the file will be saved temporarily. Therefore, the user has to obtain all privileges to access this folder.

CODEWORD CHECK

ELITECAD has three options for checking codeword
- network adapter (e.g. student version)
- dongle (local dongle on the workstation)
- license server (licence server software on the server)

Network adapter
If multiple network adapters are installed you have to select the appropriate one.
The entry of codewords for the selected network adapter is required.

Dongle
If the driver for the dongle is missing, it will be installed. Click through the dialog windows. At the end of the installation, a message appears the installation of the driver was successful (operation successfully completed).
The entry of codewords for the dongle is required.

License server
The license server software and its dongle inclusive codewords have to be installed on the server.
Enter the name of the server where the license server is running.

Entering the codeword

This button leads to the codeword entry dialog.

Usually you receive the codewords as a text file. The easiest way to install the codewords is to save the file on your computer and then use the dialog 'Read codeword file'. Select the correct file and the codewords are read automatically.
Alternatively you can enter the codewords for each module manually.

PARAMETERS

General

The parameters are divided into User settings and Global presets.

Both of the parameter data sets is again divided into

Basic-parameters (cad)	hatches, texts, dimensions, etc.
Architecture-parameters (ar)	wall, floor, window, etc.
Mechanics-parameters (me)	screwing-, standard parts, etc.

Path for user settings

Compare Appendix> Recommended settings

Each user can save their individual settings for the user interface and individual parameters. These settings will be saved under the pre-defined path 'path for user settings' in the folder *elitecfg*. If an ELITECAD dialog saves any kind of data set (text, hatches …), then it will be saved in these user settings.
This path has to be located on the local hard disk.
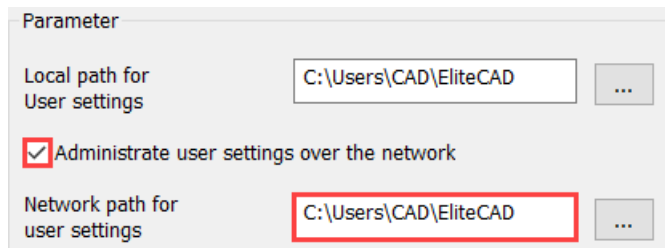
▬▬▬▬ EXAMPLE

Local user settings for:

Basis   *…\elitecfg\<version>\cad\glob\<region>\config.val*

Architecture   *...\elitecfg\<version>\ar\gr\<region>\config.val*
Mechanics   *...\elitecfg\<version>\me\glob\<region>\config.val*
User interface   *...\elitecfg\<version>\ar\globpal\<region>\config.val*

Depending on the country settings *<region>* is replaced by *en_uk* (United Kingdom), *en_us* (USA), etc. In ELITECAD Mechanics *<region>* is replaced by *en* (English), *fr* (French), *de* (German), etc.

Administrate user settings over network

Compare Appendix > Recommended Appendix

This option manages the user settings on the network. If this option is enabled, the parameters from the specified network path will be loaded upon starting ELITECAD, and will be saved again to the same path when the program is closed.
This option can be used to save data or if users are working on several different computers in the same network with the same personalized user settings. In this case, the network path has to be a personalized server drive.

Administrate parameter-presets over the network

Parameter-presets deactivated
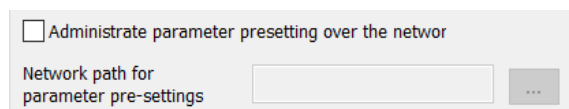
In the initial state, this option is deactivated. In this case, the program uses the predefined standard parameters from the installation path of ELITECAD.

EXAMPLE

Global presets are stored at

$$<Installation\ path>\backslash u\backslash <version>\backslash ...$$

|	
Basis	*...\cad\glob\dflt\<region>\config.val*
Architecture	*...\ar\gr\dflt\<region>\config.val*
Mechanics	*...\me\glob\dflt\<region>\config.val*
Drainage	*...\ar\sa\dflt\<region>\config.val*
Line types	*...\cad\glob\linetypes\<region>\config.val*

Depending on the country settings *<region>* is replaced by *en_uk* (United Kingdom)*, en_us* (USA), etc. In ELITECAD Mechanics *<region>* is replaced by *en* (English)*, fr* (French)*, de* (German), etc.

Change parameter presets
In order to change these parameters or add new data sets, an environment variable has to be set. Furthermore, in the menu Settings > Options under system > Configuration in ELITECAD the storage type has to be changed to global.

Environment variable: HD_ADMINISTRATOR = 0
Windows-System properties > System > Advanced System settings
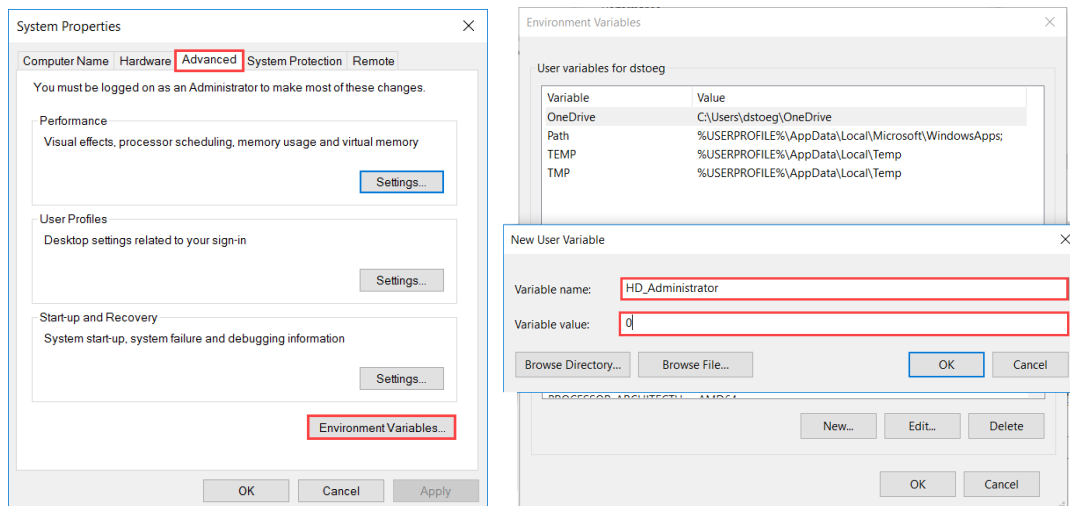
Options ELITECAD
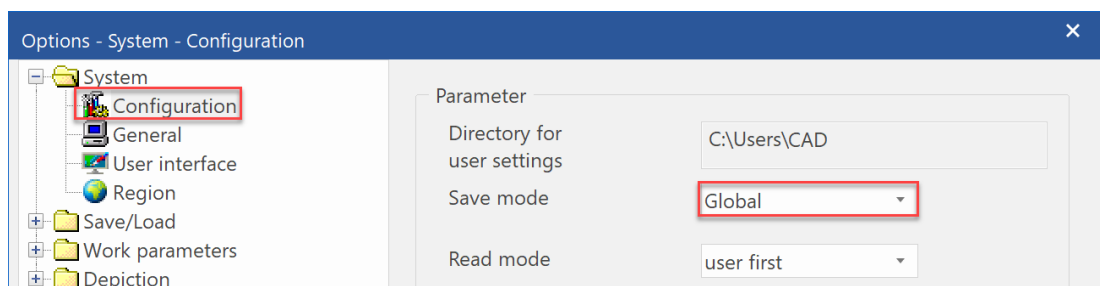
With every restart, the storage type in ELITECAD will be reset to user automatically.

Parameter-presets activated
Compare Appendix > Recommended Configuration

If there are multiple workstations in the same network it makes sense to move the parameter-presets to a network drive, so that all users can work with the same presets. When ELITECAD is started, all parameters from the provided network path will be copied to the local path:
<User directory>\globalcfg.
One user takes care of managing these parameters, by not only reading them, but also storing them back to the server.
More details are provided in the previous section.

Copying parameter-presets to a network location
There is a small help tool, which automatically copies the basis-, architecture-, and mechanics-parameters, taking the version and country settings into account.
By double clicking *globalcfg.bat* in the directory *<ELITECAD Installation path>\u\<version>\cad\glob\scr* the program will be started.

At first, the paths are displayed, and with the push of a button, the files will be copied. After another click, the program will be closed again.

Administering parameter-presets over the network
The workstation that is performing the management of the parameters on the server has to take the following steps:
1. Set the environment variable RMI_CONFIG_RESTORE_U = 1
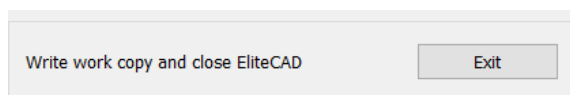Windows-System settings > System > Extended System settings
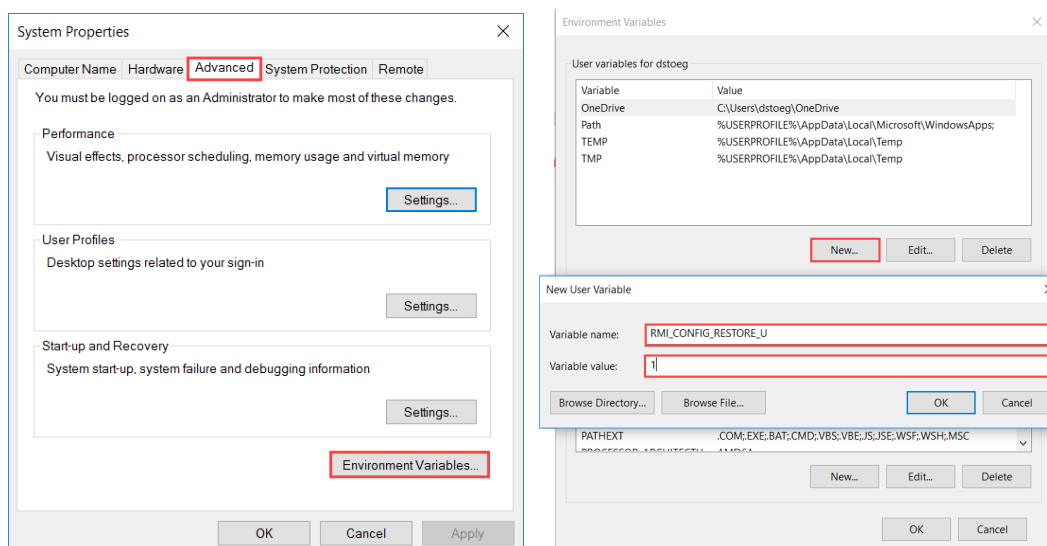
This variable enables that the parameters will be copied back to the server whenever ELITECAD is closed.

2. In order to even be able to save global parameters, the points from section Change parameter-presets have to be taken into account.

UTILITIES

Closing ELITECAD

In case ELITECAD looses the connection to the license server, or doesn't react anymore, the button ‚Exit' allows you to close ELITECAD at any point.
In the process a working copy will be generated and saved. Please contact your local reseller or the hotline to unlock this saved working copy.

Reset

This function can be used to reset the user interface of ELITECAD to the initial state.
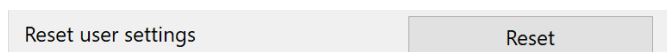
The following settings will be reset:

- recently opened files
- Tool-positions and configurations
- Layout of the windows

Copy V14 user settings

Copy all settings

This function allows you to adopt your custom settings from the previous ELITECAD version to the current ELITECAD version. This process has to be executed for each user.

Copy visualisation materials
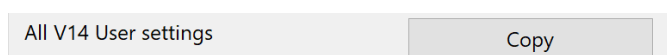In order to copy visualisation materials from earlier program versions of ELITECAD it is necessary to export them in the old version and import them in the new version.

───── TIPP

Export and import of visualisation materials is available in the context menu (right mouse button) of the material management window.
Displaying only personal visualisation materials is achieved by selecting the read mode "only user" in the options under SYSTEM > CONFIGURATION.

Copy parameter records

| Copy parameter records (Parameter selection)	...

Overview of the stored parameters

This parameter management is used to copy user-defined parameter selectively from old versions to new versions and can be used in combination with the shipped parameters of the new version.
Parameter sets for different functionalities like texts, dimensions, hatches or arrow parameters, but even pre-configured parameter sets for architectural object are listed with their names.
The selection of the version and region as well as the distinction between global and user-defined parameters can be configured using simple filters.
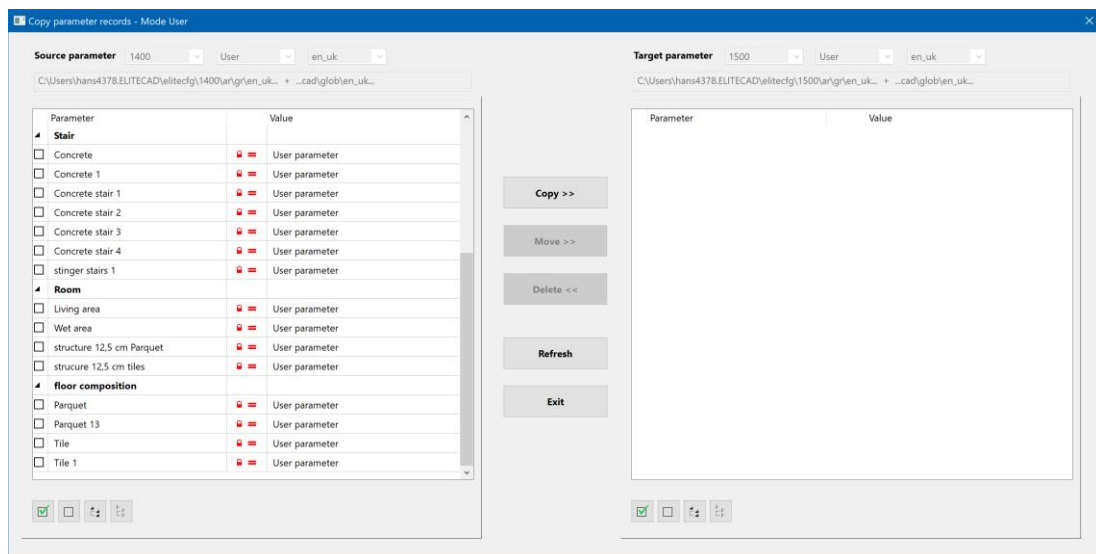
Besides copying parameters between different versions, it is also possible to copy them in-between regions. This is especially important for customers working on international projects and spread across multiple regions. Copying between regions is as easy as copying between versions. For this purpose, source and target version need to be equal, only the regions have to be selected.

Material-Database connection

The settings for establishing connections to the material database (MySQL) can be checked and adapted in this dialog.
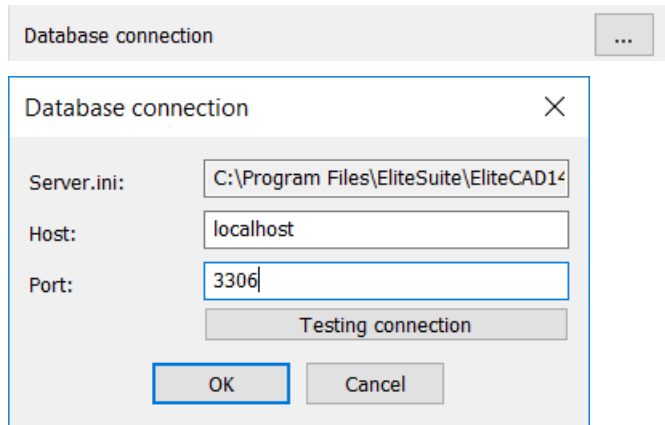
Server.ini
Shows the path of the file "Server.ini". This file contains a link to the server and the port.

Host
This entry links to the computer/server, which contains the database. 'localhost' is the local computer, but it could also contain a server name.

Port
The MySQL server uses this port for communication. The standard port is 3306. If this port is already used by another program, the port will be set to 3307.

Test the connection
Tests if a connection to the database can be established.

Advanced OpenGL settings

These settings are used for adapting a malfunctioning graphics output of ELITECAD (especially in solid mode), which can be caused by erroneous or incompatible OpenGL drivers.
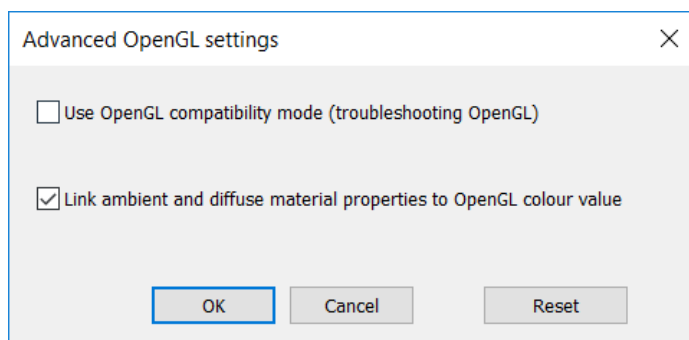
APPENDIX

RECOMMENDED CONFIGURATION

Please take into account that drawings and parameters are important data, and in case of hardware errors, they might be unrecoverable. Therefore, make sure to **backup your data regularly.**

All configurations

On the local machine

C:\Programme\EliteSuite	programs
User files\ELITECAD\elitecfg	user parameters
User files\ELITECAD\elitecfg\working copies	working copies

Projects

Variant on the local machine

User files\ELITECAD\projects	project path
User files\ELITECAD\library	library parts

Variant on the server

Server:\ELITECAD\projects	project path
Server:\ELITECAD\projects\library	library parts

Parameter-presets on the server (optional)

Server:\ELITECAD\globalcfg	parameter-presets
<User directory>\globalcfg	parameter-presets local copy

Schema for parameter presets on the server

User

User parameters
User files\ELITECAD
Parameter read mode
Global first
Global parameters
<User directory>\globalcfg

Server

Global parameters
Server:\ELITECAD\globalcfg
Projects
Server:\ELITECAD\Projects

User with parameter management

User parameters
User files\ELITECAD
Global parameters
<User directory>\globalcfg
Environment variables
HD_ADMINISTRATOR = 0
Enables saving global parameters
RMI_CONFIG_RESTORE_U = 1
Controls the backup of the global parameters
Parameter read mode / store mode
Store mode: global (for storing of new parameters, otherwise user)
Read mode: global first