

# Lisega Plugin for PDMS Draft & Everything 3D Draw

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**Installation Manual**

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# 1 Installation

The plugin requires at least PDMS 12.1 SP4.60 or Everything 3D 2.1.

## 1.1 Scope of delivery

In addition to this documentation, the package contains files that define the interface within PDMS, ie the forms, functions and objects. Also the databases that the LISEGA components provide are included.

## 1.2 Installation of the Plugins

It is assumed, that AVEVA default settings are used. If you changed them, according adjustments are required. Please extract the zip file such in your project folder, that there is a lisega folder.

To use LICAD PDMS & E3D Plugin, several environment variables must be set correctly. This is usually done by adjusting the file `projects.bat` in your project folder.

Please add the following lines in this file:

**Listing 1.1** – Default installation

```
1      call %projects_dir%lisega\addinlis.bat %projects_dir%lisega\  
2      call %projects_dir%lisega\databases\evarslis.bat %projects_dir%lisega\databases\
```

If no file `projects.bat` available, yet, you can take the one available in your lisega folder.

Please take care, that the environment variable *projects\_dir* should point to your projects folder.

### 1.2.1 Special Case PDMS 12.1

If you are using PDMS 12.1, it is required to adjust the file `evars.bat` in your `Installationdirectory` by adding the following line at the very end:

**Listing 1.2** – Additional line for PDMS

```
1      call "%projects_dir%projects.bat"
```

### 1.2.2 Special Case Isodraft

If you want to load the LISEGA addin together with other addins, the last added addin must adjust the `DBARLOCAL` file. Further information can be found in the path `pdmsui\iso\gen` in your LISEGA installation directory.

### 1.3 Installation of the Database

In order to include the LISGA catalog in its projects, a PDMS project called *LIS* is provided whose databases are to be included as *foreign databases* in the relevant MDB of the respective PDMS project. The databases contained in *LIS* are listed in table 1.1. User name and password are *SYSTEM* and *XXXXXX*.

**Table 1.1** – Databases in the Projekt *LIS*

Databasename	Type	#	Filename
KATALOG/LS_CATA	CATA	6993	%LIS000%/lis6993_0001
KATALOG/LS_CATA_LANGUAGE	CATA	6991	%LIS000%/lis6991_0001
KATALOG/LS_DICT	DICT	6990	%LIS000%/lis6990_0001
KATALOG/H&S_DICT	DICT	6994	%LIS000%/lis6994_0001
KATALOG/LS_PROP	PROP	69920	%LIS000%/lis69920_0001
KATALOG/PADD	PADD	6969	%LIS000%/lis6969_0001

## 2 Overview of Design/Model tools

A pre-condition for the trouble-free functioning of the LISEGA design macros in the menu items of the LISEGA DESIGN menu is that the the hanger supports have been created with the actual version of PDMS-catalogue and actual LICAD Version is used to create the LOF files.

### 2.1 Start Output File (LOF)

File browser to start the LOF files created by LICAD. The LSROD sprefs of the respective HANG elements are set simultaneously and the hex nuts put in place. (LSROD's are subject to graduation in length)

### 2.2 Create Input File (LIF)

For the calculation or design of a hanger arrangement the corresponding UDA values of the ATTA can be transferred to LICAD. This menu creates a file for this from PDMS that can be imported into LICAD.

Note: Set output path (.LIF): The path for the. LIF file can be defined by the environment variable HANGER.

Example of how HANGER is defined: `setHANGER=C:\Data\Lif-Files`

If the variable is not defined, the file is written to the starting area, where PDMS was started from, eg into the desktop.

### 2.3 Re-Set of rods and nuts

On manual creation or alteration of a hanger design (e.g. created via a LOF file) it is imperative to carry out this menu procedure! In this way the correct LSROD sprefs of the individual HANG elements are (newly) set and the hex nuts newly placed according to the modified design.

## 3 The Lisega-4.0-Catalog

With the LISEGA-4.0-catalog, via the SPEC /LISEGA4.0 the components are provided with descriptive texts for 10 languages: chinese, german, english, french, italian, japanese, polish, portuguese, russian and spanish.

### 3.1 Programmatic access

Depending on the desired language, the global variable `!!lisLang` corresponding to table 3.1 is required before the query of the appropriate description attribute (`dtxr`, `dtxs`, `dtxt` will be done.

If this variable is not set to a valid value, the three attributes provide only English / French / German descriptions.

**Table 3.1** – Language-specific descriptive text. The languages marked with \* are the default setting for the respective attribute, if `!!lisLang` is not set correctly.

Language	Acronym (Value for <code>!!lisLang</code> )	Attribute
English*	EN	<code>dtxr</code>
Chinese	CN	<code>dtxr</code>
Japanese	JP	<code>dtxr</code>
Russian	RU	<code>dtxr</code>
French*	FR	<code>dtxs</code>
Polish	PL	<code>dtxs</code>
only Typ-Code	TYPE	<code>dtxs</code>
German*	DE	<code>dtxt</code>
Italian	IT	<code>dtxt</code>
Portuguese	PT	<code>dtxt</code>
Spanish	ES	<code>dtxt</code>

**Example.** The current element CE is a constant hanger and has the SPREF /LISEGA4.0/71C369. The Polish description will be provided as follows

```
!!lisLang = 'PL '  
q dtxs
```

The result is “Ramionan typ 71C369 (wł. Zawiesz. stałosilowe 11C319)”.

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