Lisega Plugin for
PDMS Draft & Everything 3D Draw

12.1.0

<div align="right">

Installation Manual

September 20, 2024

</div>

Author: Ingenieurbüro Werk GmbH
Hauptstraße 85
16348 Wandlitz (Germany)

Disclaimer

Ingenieurbüro Werk GmbH assumes no liability or warranties with respect to the content of this document.

The text and graphic parts of this manual have been edited with special care. However, no liability can be assumed for possible errors and their effects.

Please inform the Ingenieurbüro Werk GmbH about any design errors and failures. We will endeavor to take every reasonable idea and, if necessary, make improvements.

Contents

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\
```

Is 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 LISEGA 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-catalouge 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 correponding UDA values of the ATTA can be transfered 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 !!lisLang)	Attribute
English*	EN	dtxr
Chinese	CN	dtxr
Japanese	JP	dtxr
Russian	RU	dtxr
French*	FR	dtxs
Polish	PL	dtxs
only Typ-Code	TYPE	dtxs
German*	DE	dtxt
Italian	IT	dtxt
Portuguese	PT	dtxt
Spanish	ES	dtxt

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. stałosiłowe 11C319)".

4 Agreement concerning the use of the software

The Software and respective printed materials are copyrighted. The copyright notation contained within the Software may not be removed. Without prior written consent from LISEGA, the licensee is not permitted to forward the Software or any respective printed materials to any third party, or to otherwise grant a third party access to the same. Upon purchasing the product, the licensee only receives ownership of the diskette containing the Software, and not ownership of the Software written upon it. Ownership of the rights to the actual Software is not included. In particular, LISEGA reserves the rights to publication, duplication, processing, and utilization of the Software.

LISEGA reserves the right to update and modify the Software at the companyś discretion. Any corresponding program revisions are to be carried out without prior notification.

The licensee is liable for all damages affecting LISEGA incurred by reason of breach of copyright, where the licensee has broken the terms of this agreement.

LISEGA accepts no liability regarding any flaws in the Software and the accompanying printed material. In particular, no guarantees are provided for the Software meeting the specific requirements and goals of the purchaser, or for it being compatible with other software-programs selected by him.