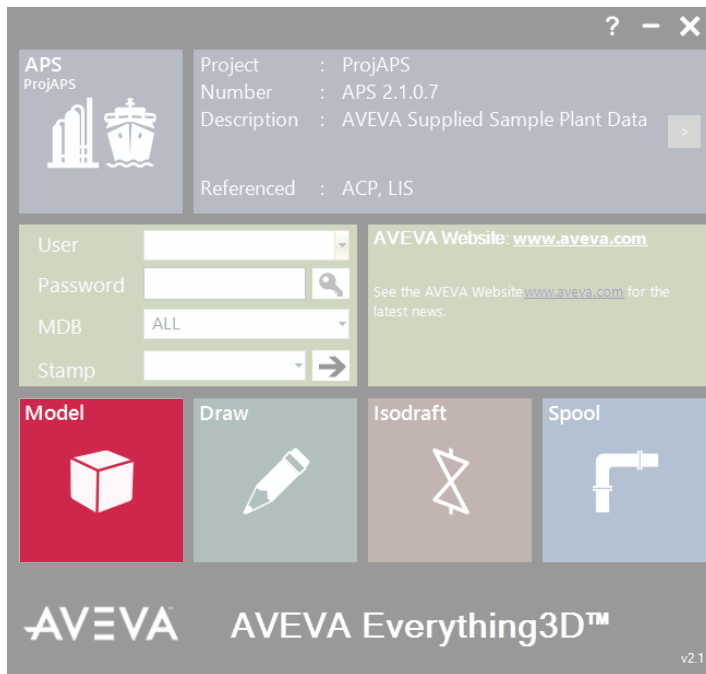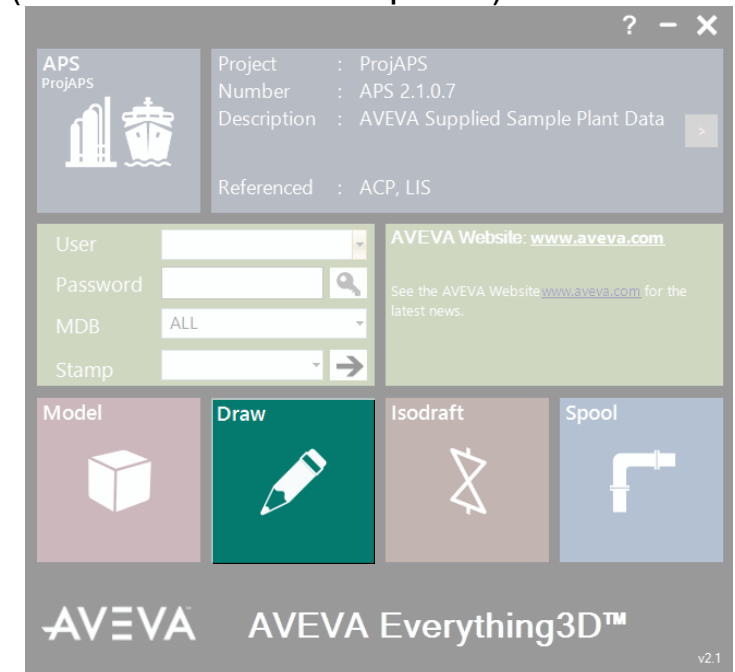# LISEGA´s Interface to AVEVA´s E3D (PDMS)

LISEGA´s Interface to AVEVA´s E3D

1. LISEGA´s interfaces for AVEVA´s E3D – "Model-Area"

- Import routine for LISEGA supports
- LISEGA´s "Rod´s and Nuts"
- special pipe clamps tool
- part list generation
- helptools for steelwork design (stiffeners and anchor plates)
- LISEGA´s clash checker

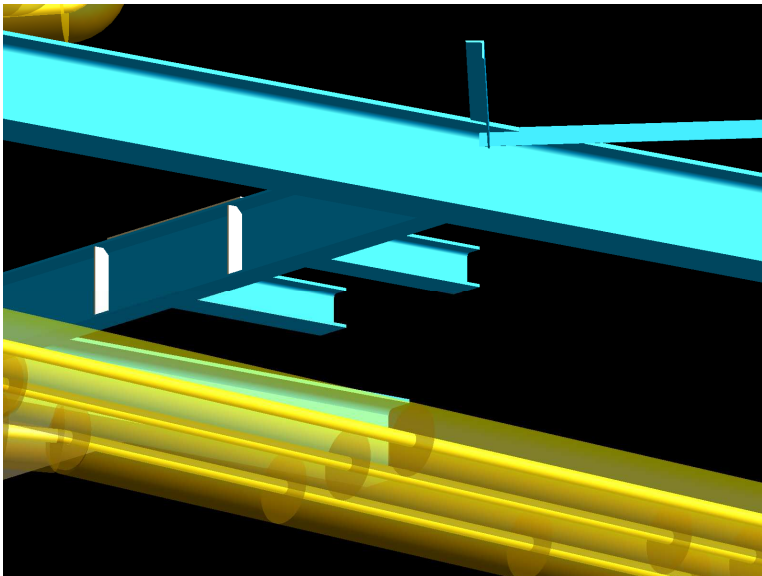## 2. LISEGA´s interfaces for AVEVA´s E3D – "Draw-Area"

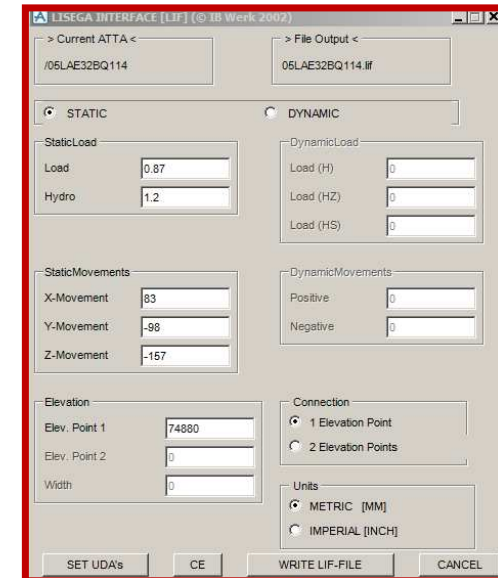- Explanation of LISEGA´s support drawing tool for AVEVA´s E3D
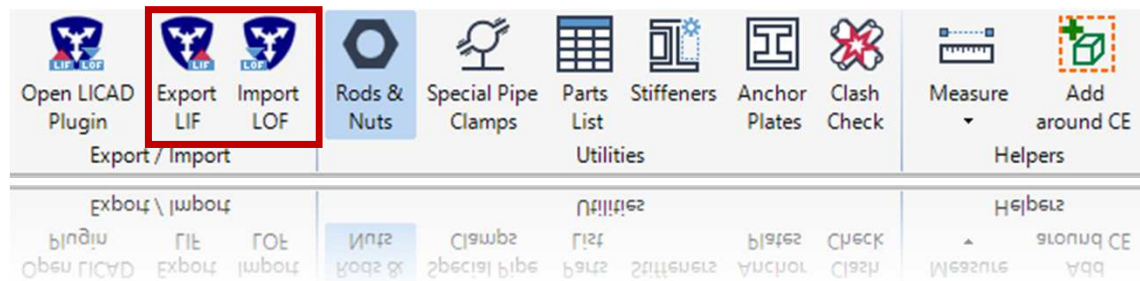
1.1 LISEGA´s import routine the standard import LIF – export LOF workflow

Workflow of the interface E3D (PDMS) via PLUGIN

Start situation

# LICAD Input File (LIF)

In the start situation we find an ATTA on the pipe and some steelwork. After pressing the Export LIF–Button the window for extracting the LIF-file open. The relevant UDA´s of the ATTA are transferred directly. Individual decisions should be done in this step (for example type of support; number of elevation points; Unit-system;) although some changes in the load or movement field. After this the button "WRITE LIF-FILE" open the next step "saving the LIF-FILE".
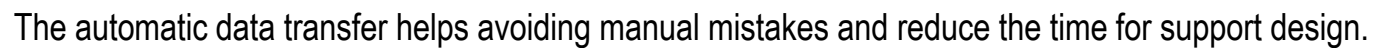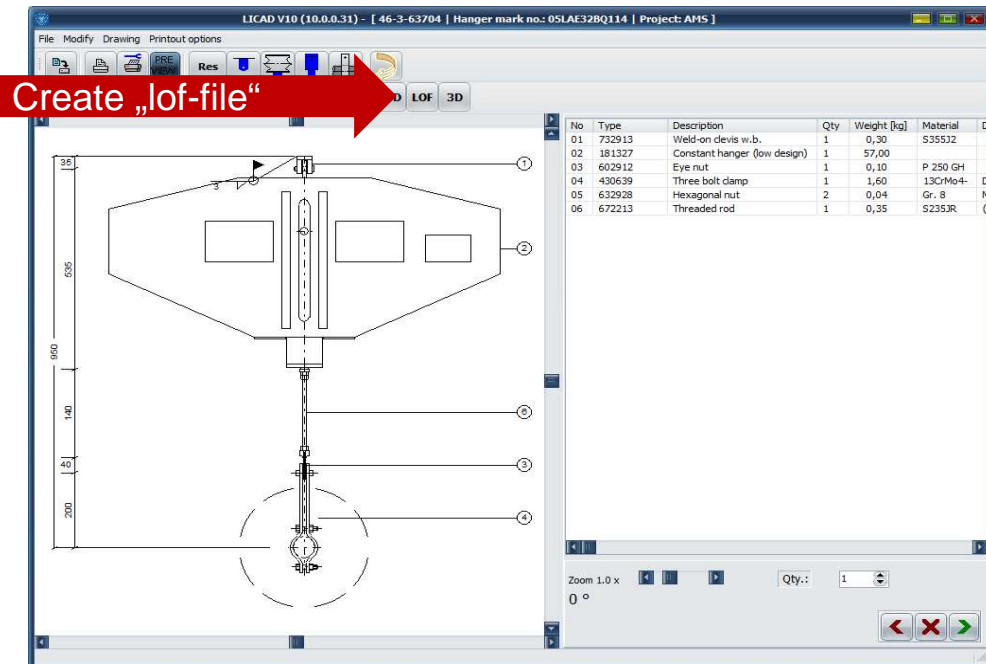
LICAD Main Menu

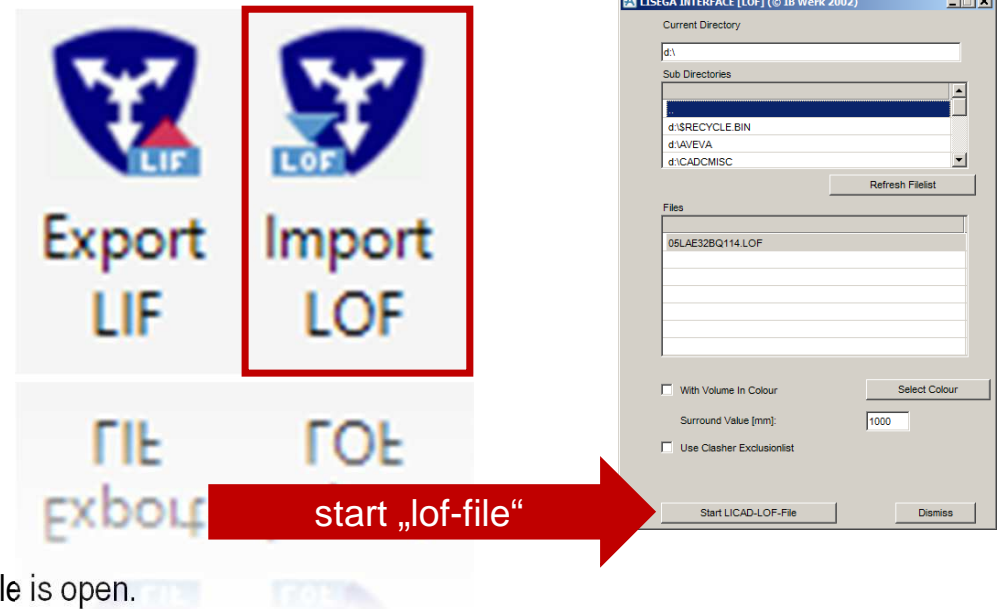# LICAD Input
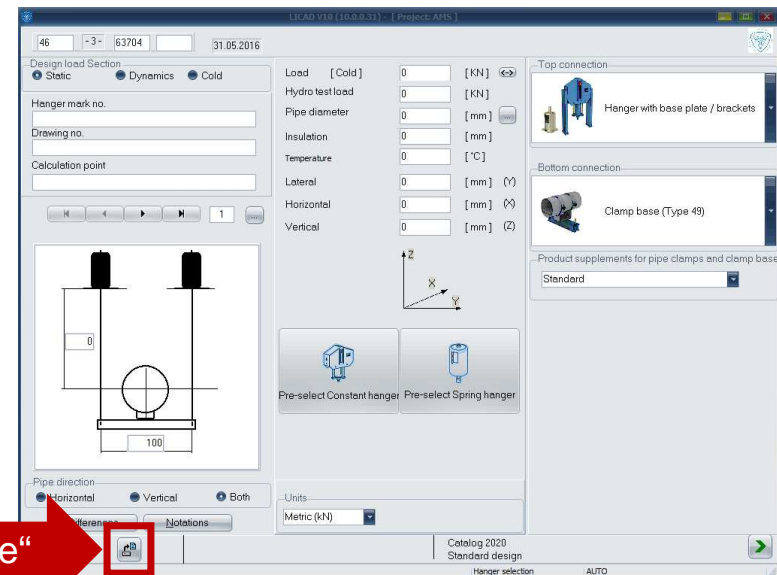
Open „lif-file"

After implementing the project and the specifications in the LICAD-Software, the "DESIGNER" in the LISEGA-software "LICAD 10" must be opened. Press the button "Read Support Data From File" gives the possibility to read all data´s from the LIF-File.

Automatic transfer of E3D/(PDMS)-information

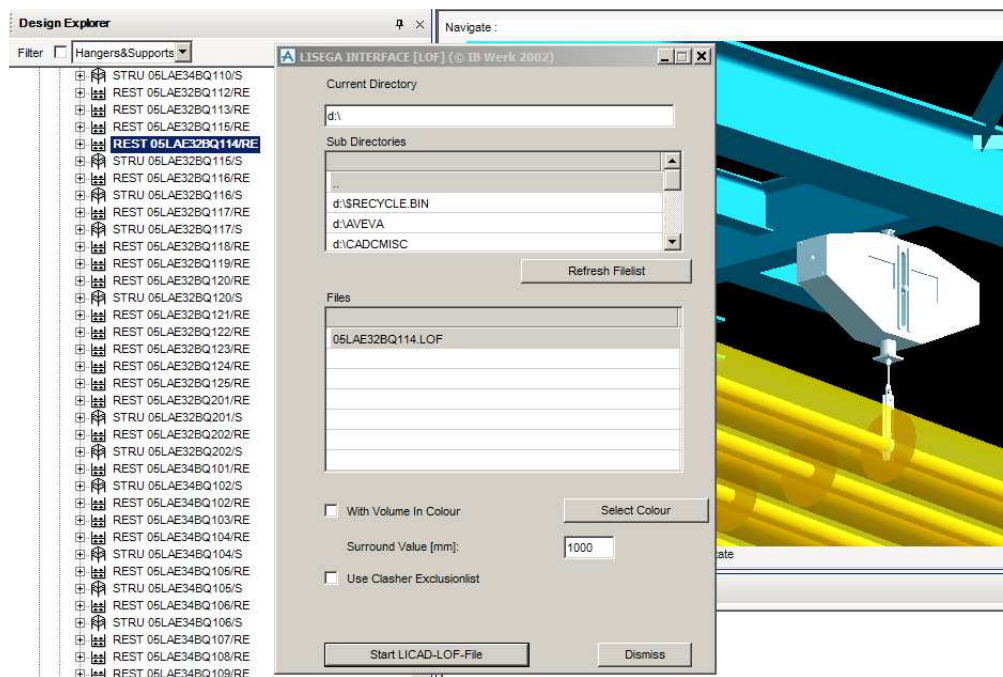The automatic data transfer helps avoiding manual mistakes and reduce the time for support design.

Generation of LICAD Output Files (LOF)

After pressing the Import LOF–Button the window for implementing the LOF-file is open.

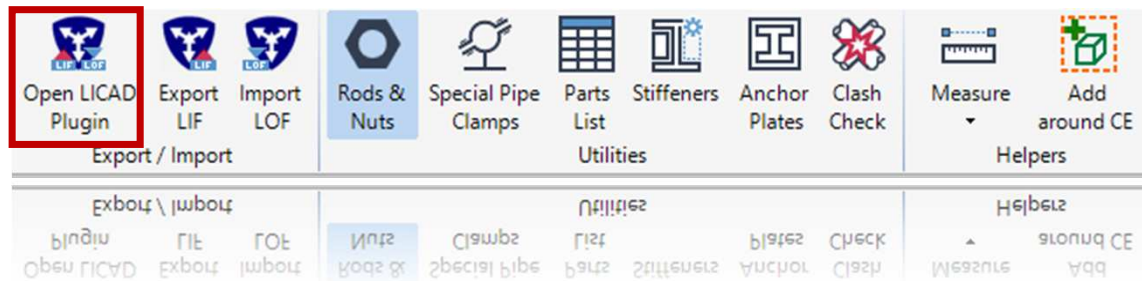**Selection of LICAD Output File (LOF)**

start „lof-file"

Result of pipe support design

After marking the actual LOF-File, press the "Start LICAD-LOF-File"-Button and the support is designed.

Workflow of support design in PDMS

PDMS	LICAD	PDMS
• U-Position-No • loads • pipe diameter • temperatures • insulat. thicknes • movement • elevation	• determination of specification values • selection of support confi-guration • pipe support design	• 3D-Demon-stration of (pipe) supports • check clasher • generating a LISEGA pipe support drawing

LIF

LOF
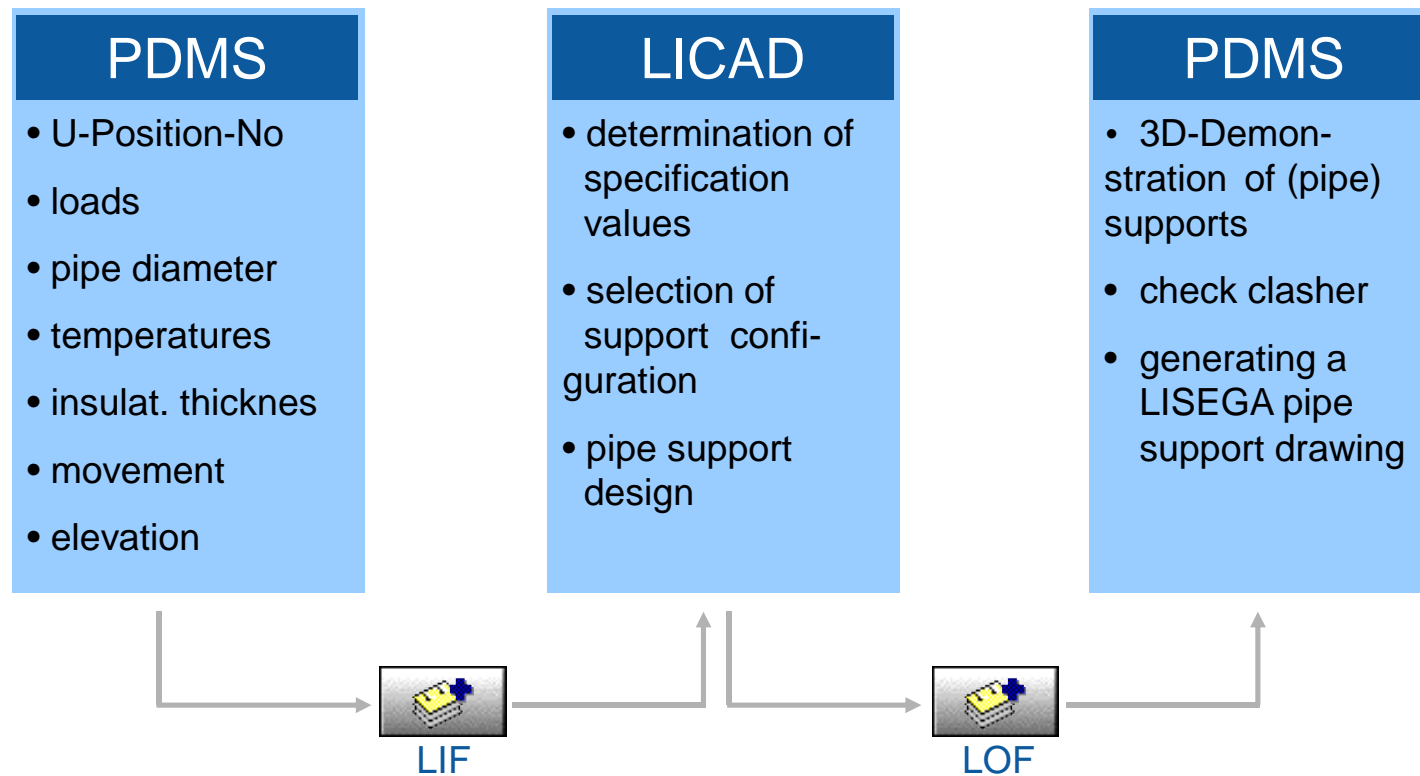
1.2 LISEGA´s import routine the OPEN LICAD PLUGIN

Workflow of the interface E3D (PDMS) via LOF-File

Start situation
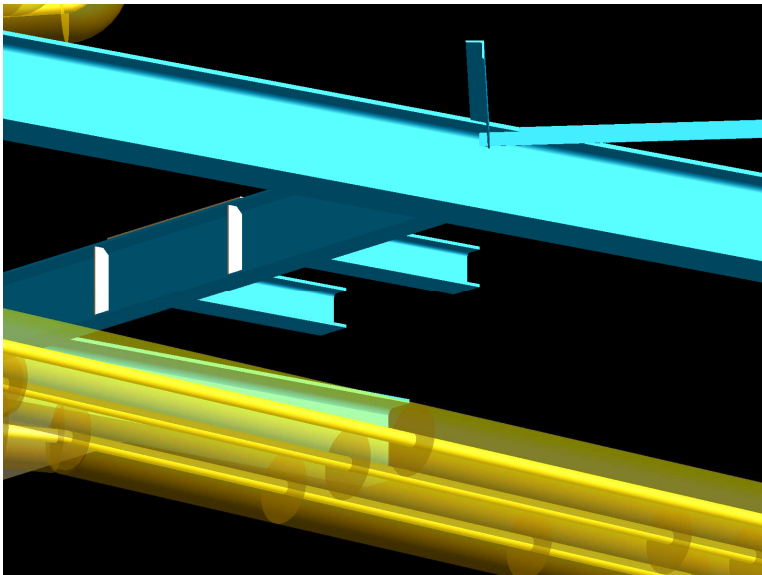
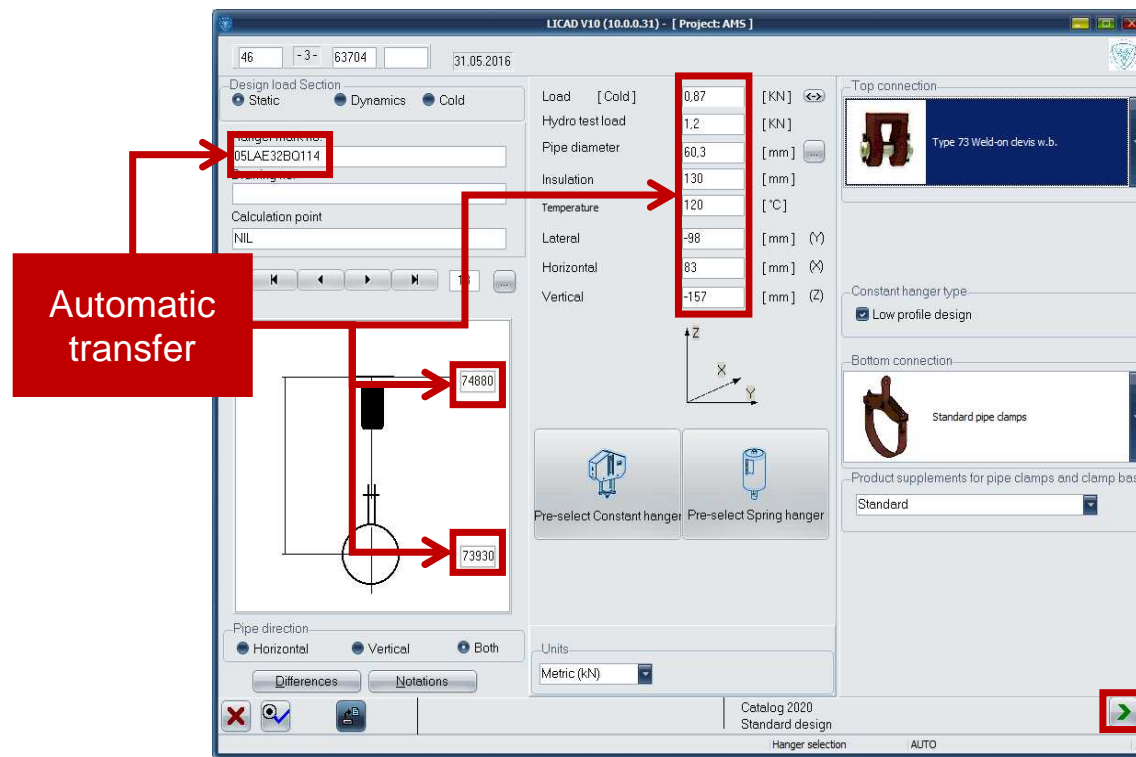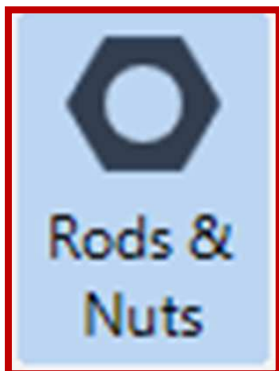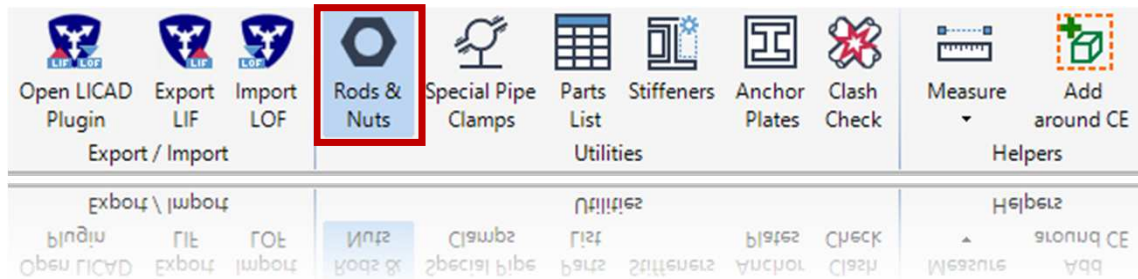# LICAD Input File (LIF)

After you mark the ATTA press the "CE"-Button, fill in the range of the volume you want to have on the screen, and press the "DESIGN with LICAD"-Button ….

Automatic transfer of E3D/(PDMS)-information
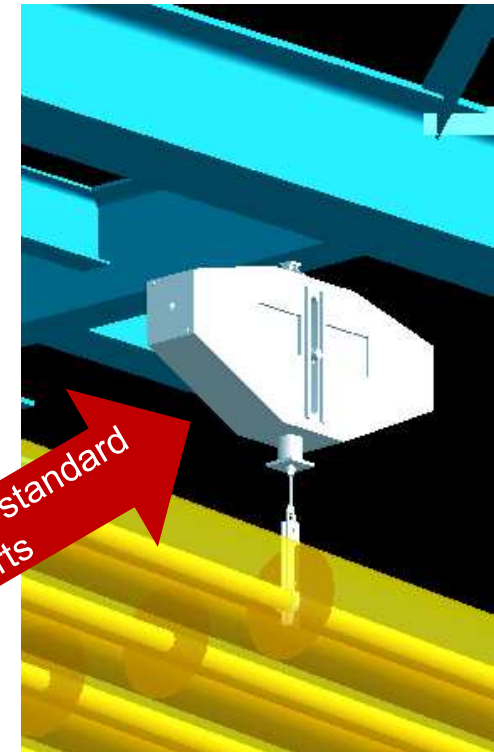
… LICAD open automatically the "DESIGN-Screen", all data´s are available in one step, after pressing the …

## 1.3 LISEGA´s Rods & Nuts

How to use it?

1.3 LISEGA´s Rods & Nuts

If the hanger is modified, it is necessary to connect the hanger with this routine, otherwise it might be that the position of nuts or the length of the threaded rod is incorrect. After marking the restraint use the CE-Button to include restraint (more than one restraint is although possible), if all restraints are included use the "SET LISEGA RODS&NUTS"-Button.
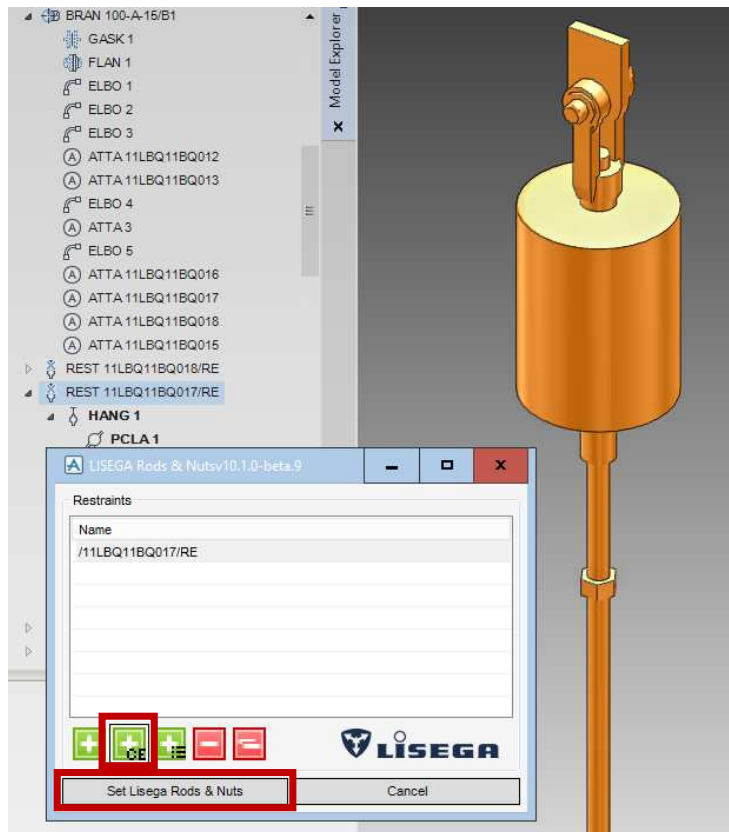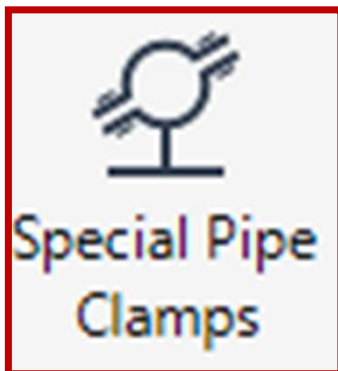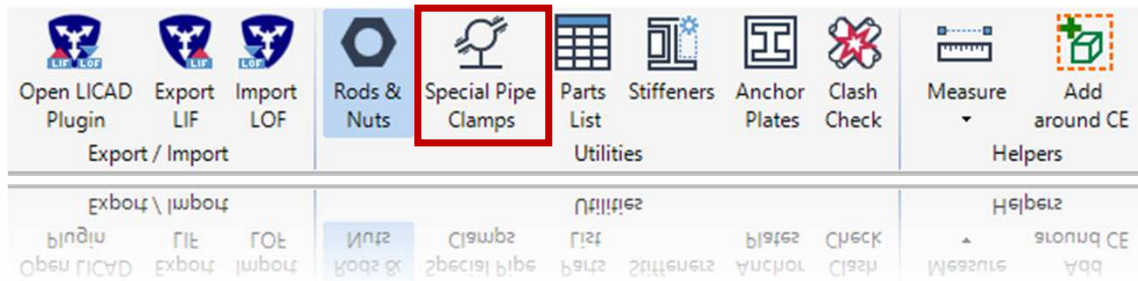
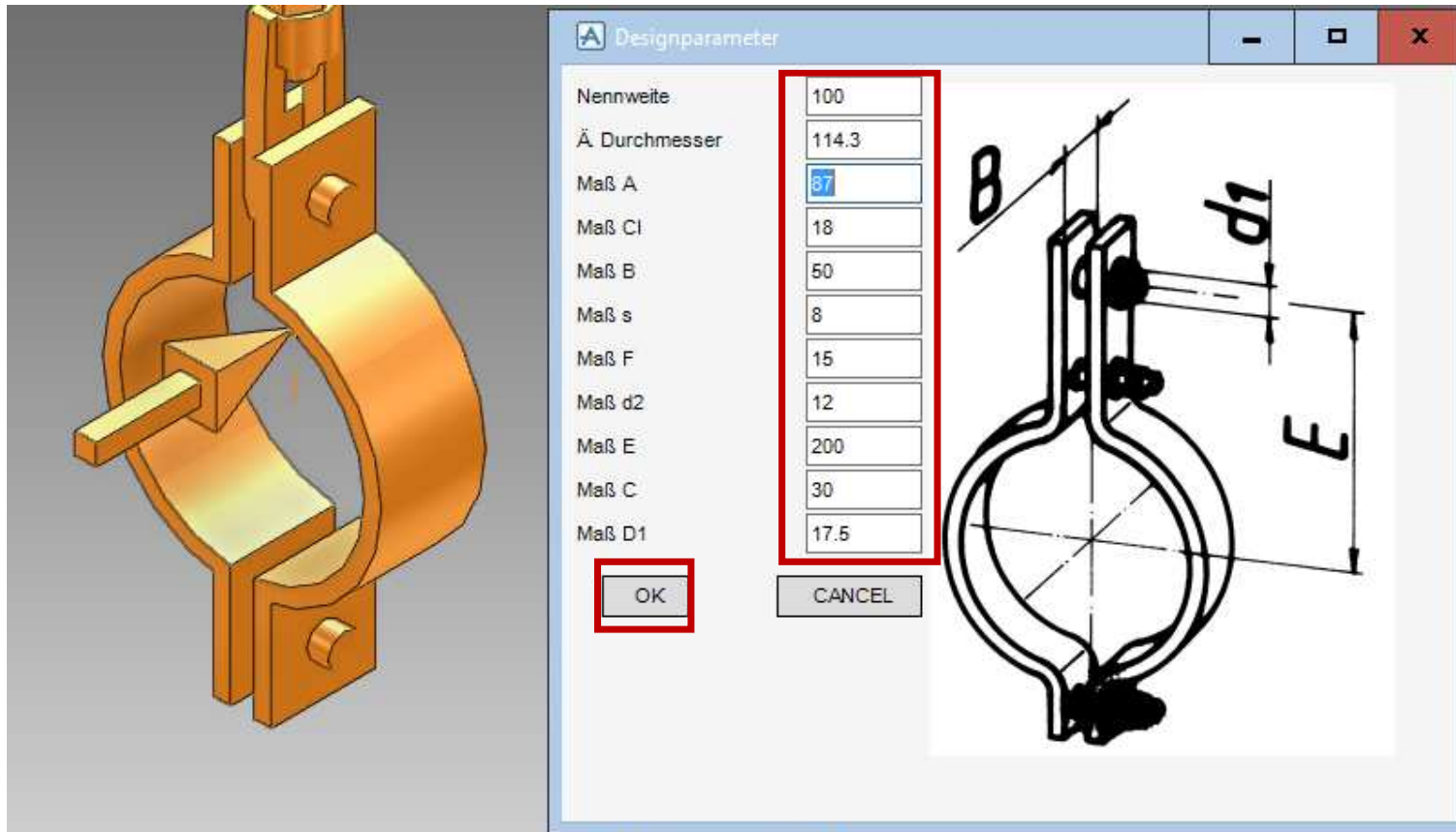## 1.4 LISEGA´s SPECIAL PIPE CLAMPS

How to use it?
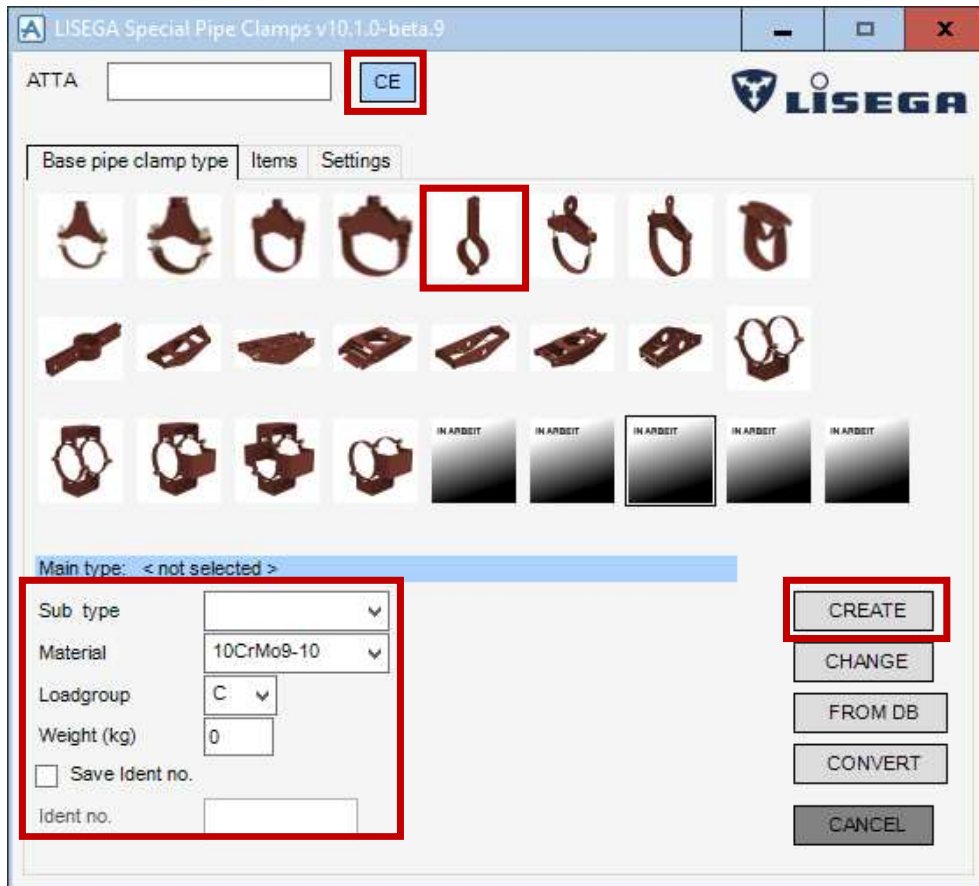
1.4 LISEGA´s SPECIAL PIPE CLAMPS

After choosing the ATTA choose the type of special pipe clamp, sub type, material, loadgroup and if available weight and identnumber should be choosen or filled in …

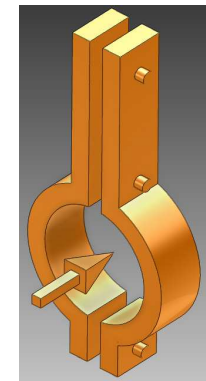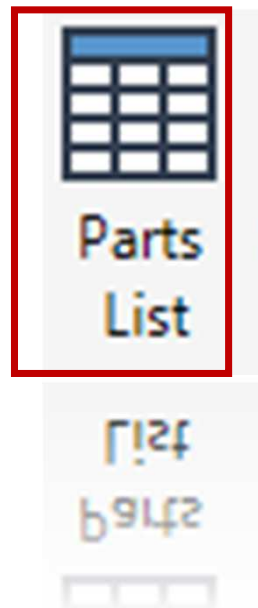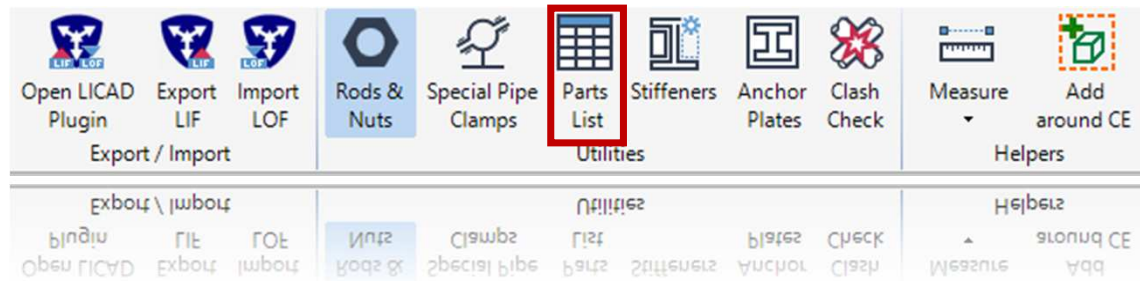… press the "CREATE"-Button …

1.4 LISEGA´s SPECIAL PIPE CLAMPS
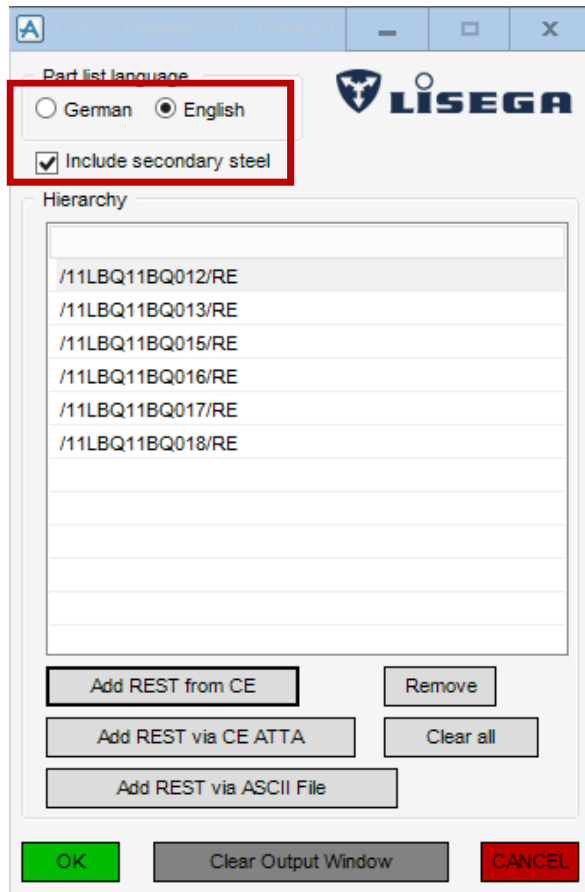
Fill in the geometric parameters and "OK"

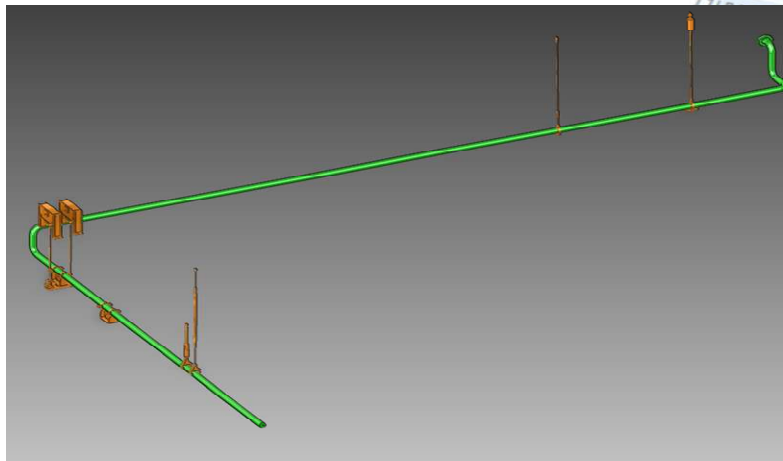… press the "CREATE"-Button …
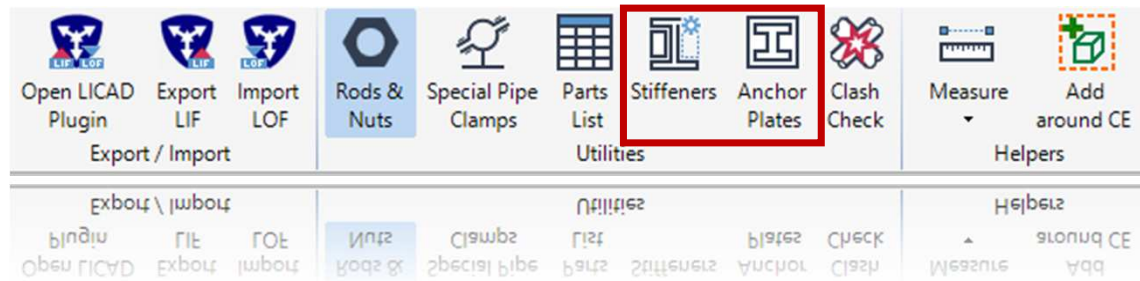
1.5 LISEGA´s Part List Generator

How to use it?

1.5 LISEGA´s Part List Generator

Choose the needed language and if required the secondary steelwork …

… press the "OK"-button …
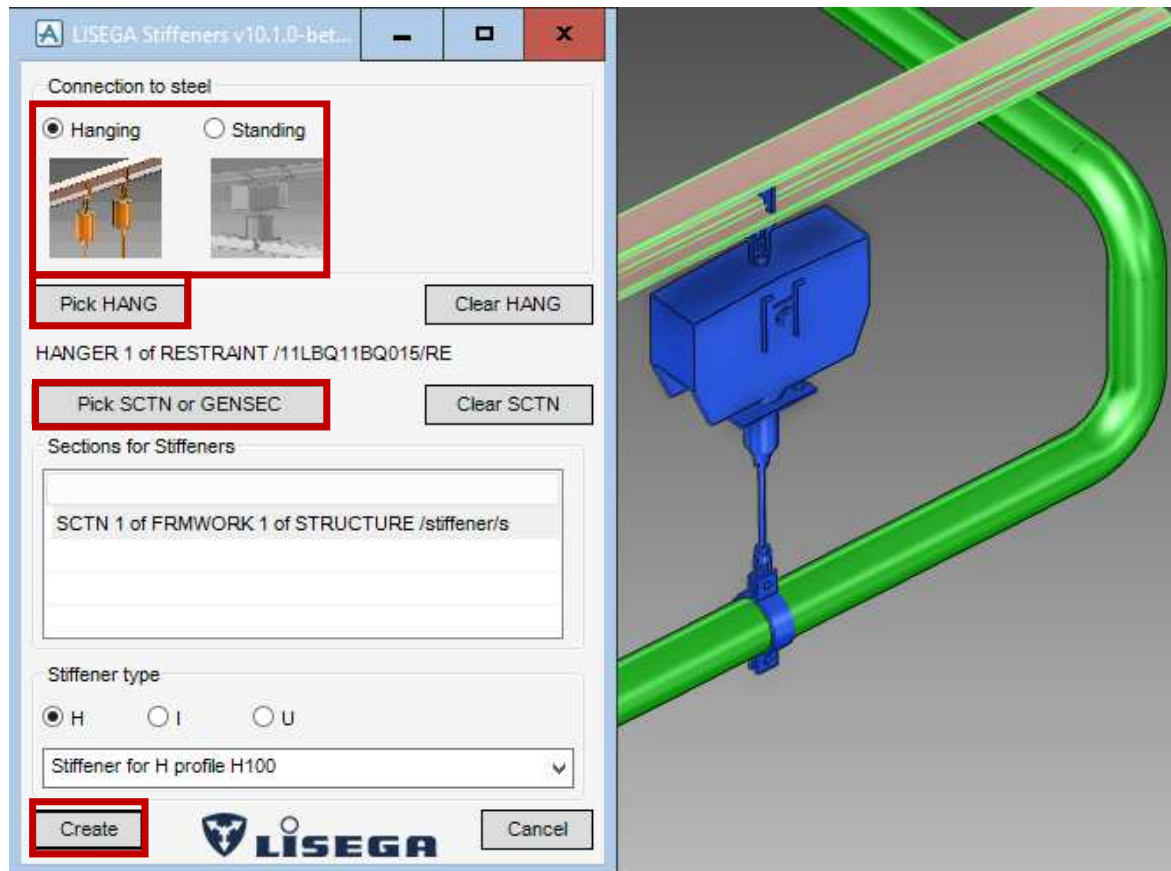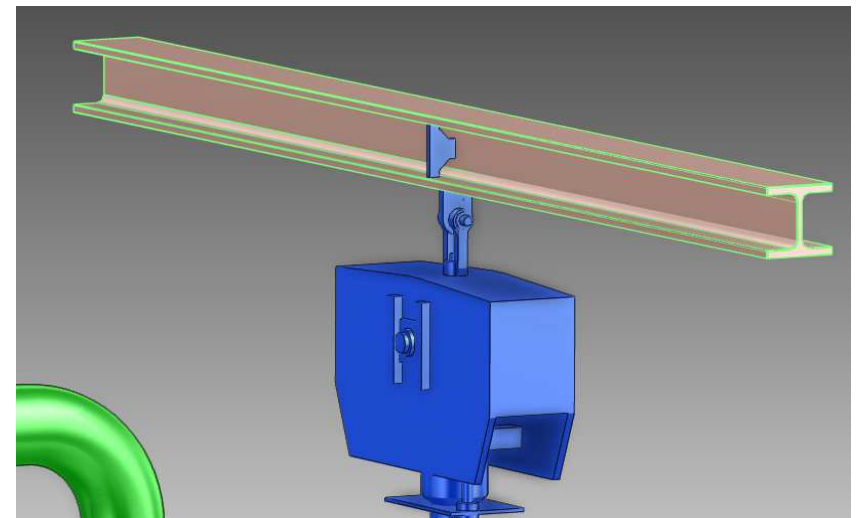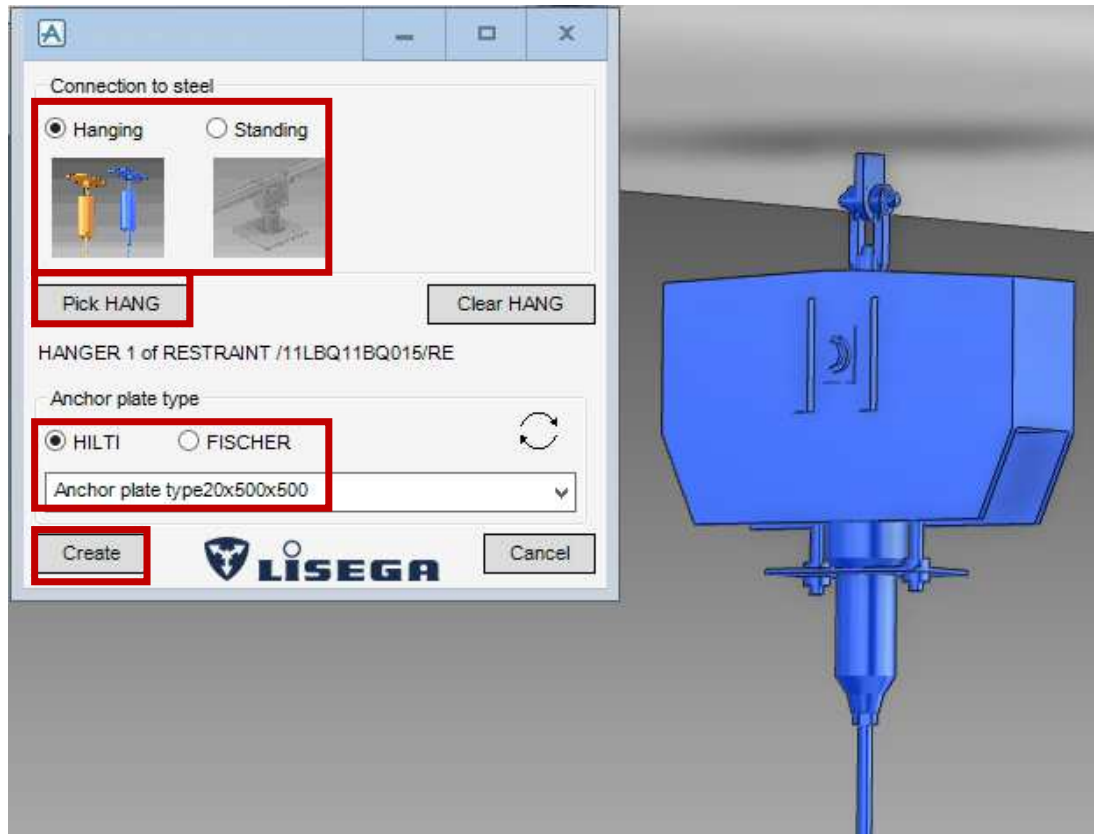
1.6 LISEGA´s Steelwork support

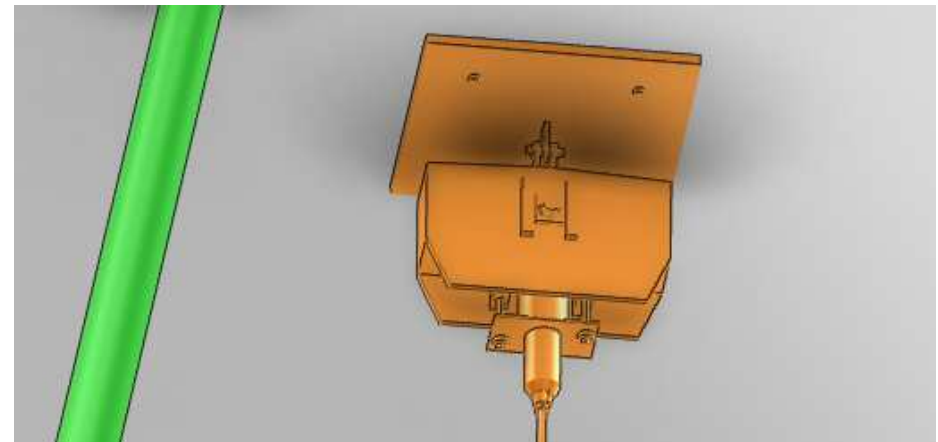How to use it?

1.6 LISEGA´s Steelwork support

After chosen the connection to steel, picking the hang and picking the section, press the button "CREATE" and a pair of stiffener is created automatically in the hierarchy of the restraint.
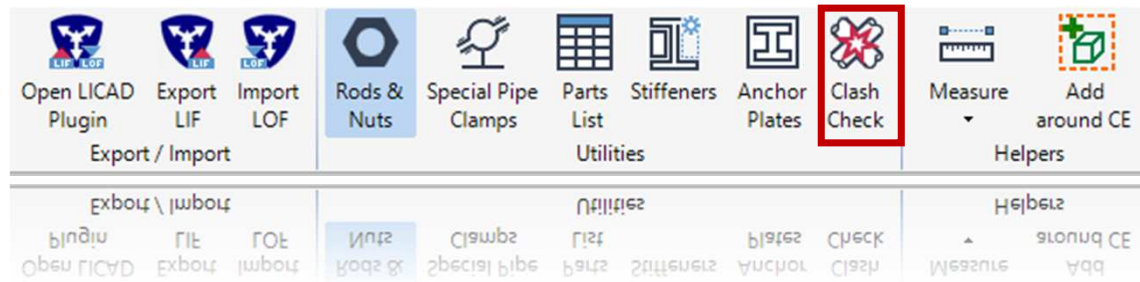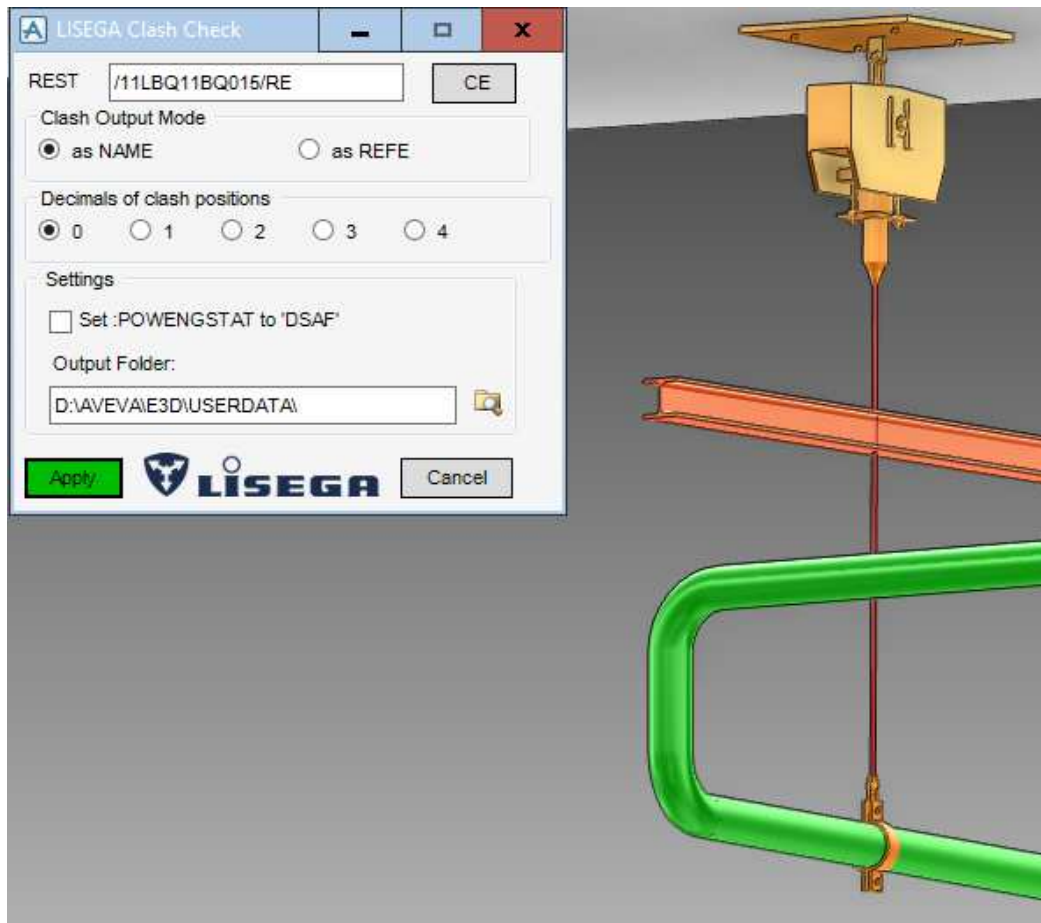
1.6 LISEGA´s Steelwork support

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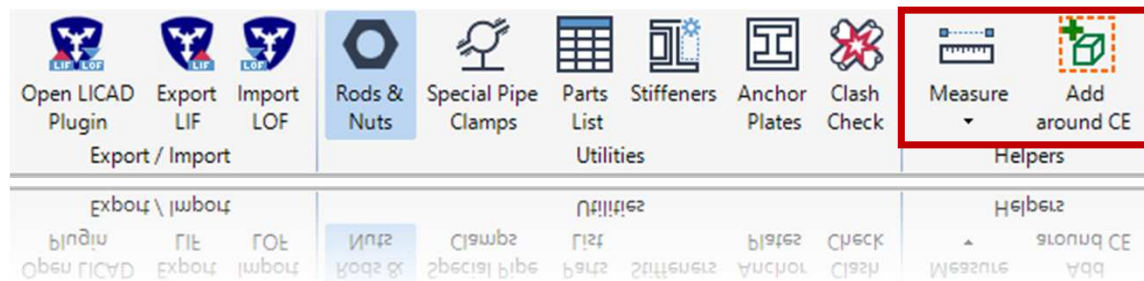
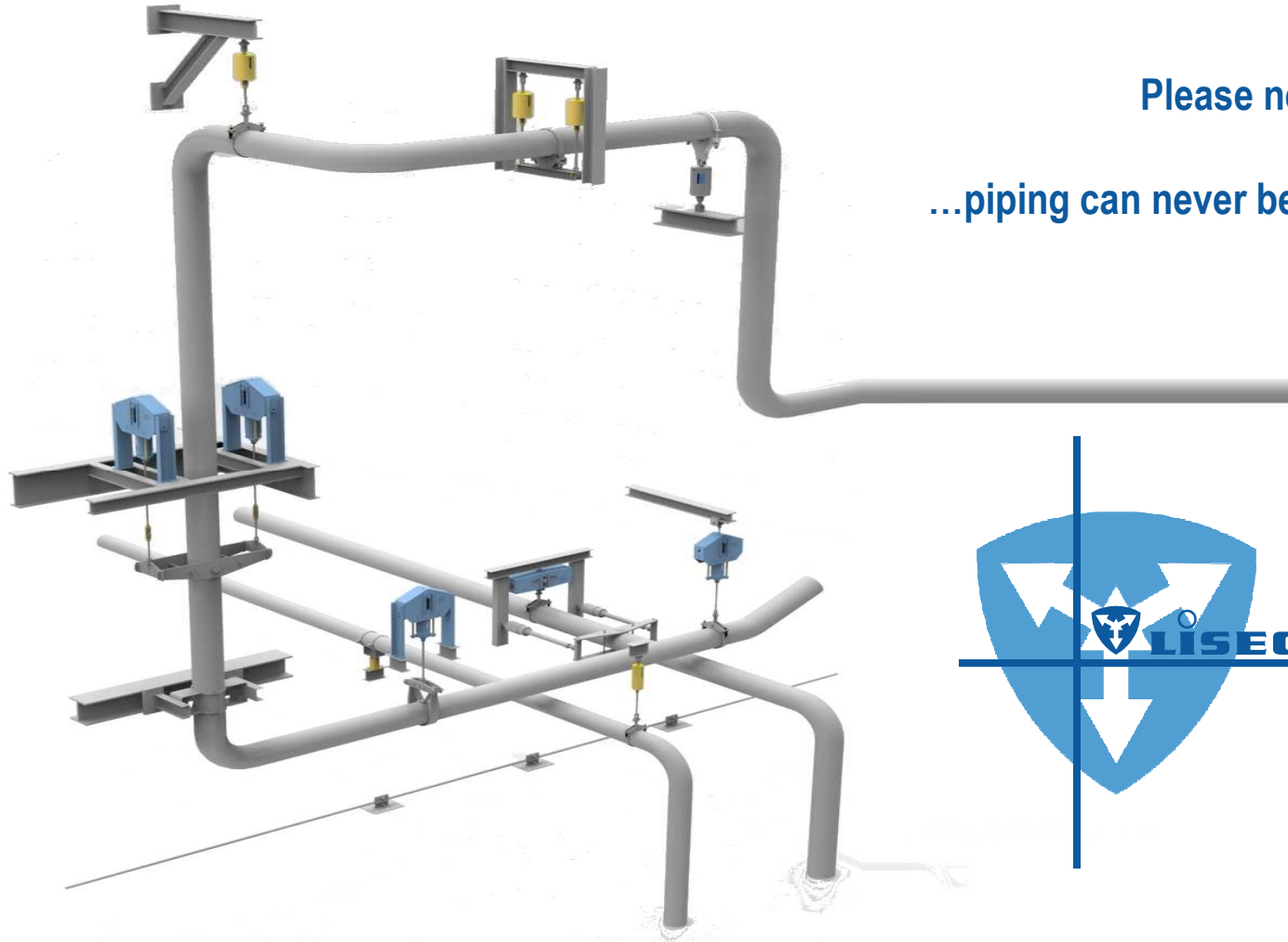## 1.7 LISEGA´s Clash Check for supports

How to use it?

1.7 LISEGA´s Clash Check for supports

After chosing the relevant restraint, press the "APPLY"-Button for starting the routine in the picture the clashes

1.8 LISEGA´s Extras

We include the standard AVEVA-functions "measure" and "add around ce"

Please never forget…

…piping can never be better than its supports!

performance with system!