

Short description of qet_translate

General requirements for using the program: Internet access and OpenSSL.

Prerequisite for using the program under Microsoft: Win7 32 and above. It should also run under OS 64 bit. Minimum memory consumption.

Prerequisite for using the program under Linux: Ubuntu > 20.04 64 bit with GTK2. Minimum memory consumption. I use it on Xubuntu 20.04 & Xfce 4.14.2.

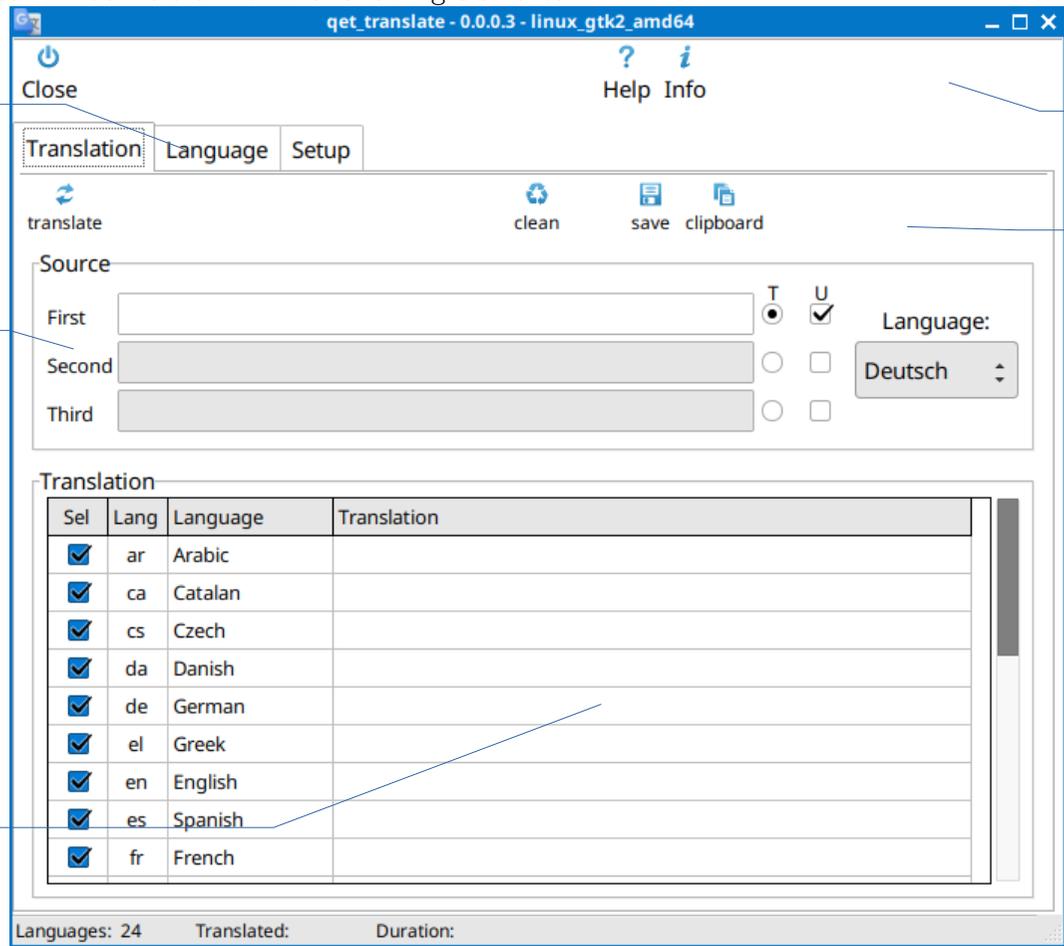
After starting the program, this interface will be visible with the following elements:

Selection of the different program areas.

Selection and input for the source text. The language should automatically adjust itself from the system language. Otherwise, select the desired source language. Input field for the text to be translated.

Translation table with the result of the translation.

The content of columns two and three comes from the existing file 'qet_translate.lang'. The content of column four 'Translation' is retrieved from Google Translate.



Main toolbar of the program.

Toolbar of the current program area.

Perform translation

The translation is carried out in the following steps:

The screenshot shows the qet_translate application window with the following components and callouts:

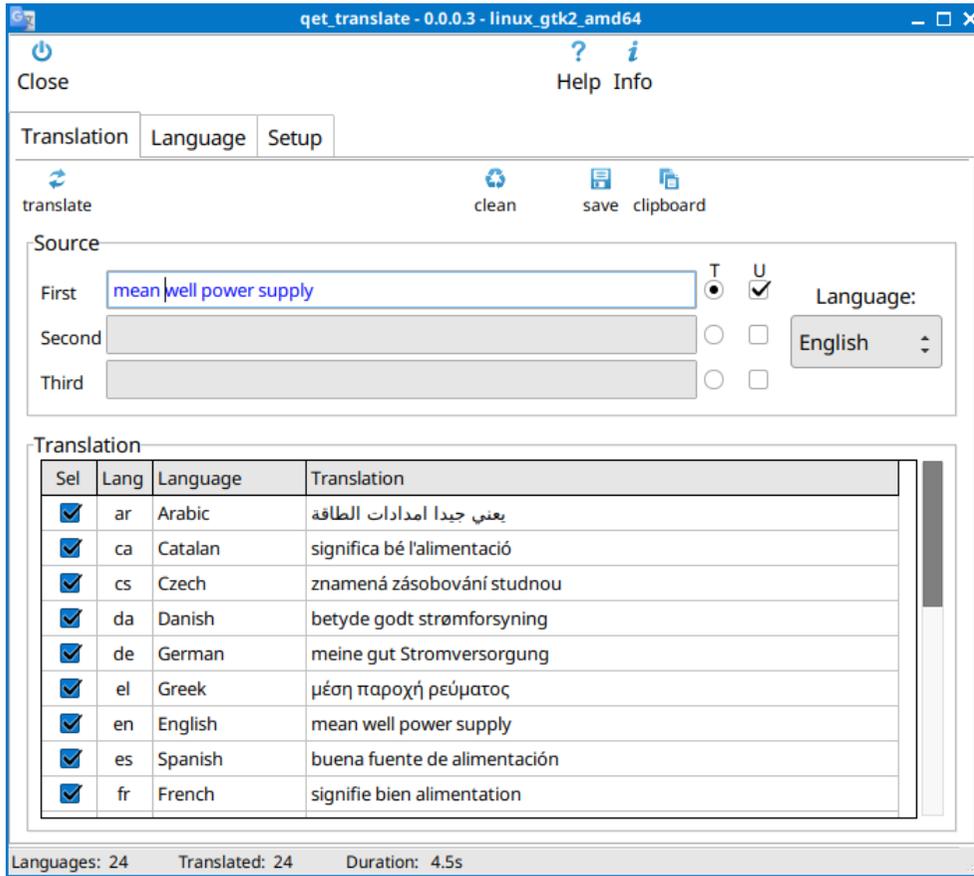
- Callout 1:** Points to the text input field containing "power supply".
- Callout 2:** Points to the "T" (Translate) and "U" (Usage) checkboxes, which are both checked.
- Callout 3:** Points to the "Language" dropdown menu, which is set to "English".
- Callout 4:** Points to the "translate" button.
- Callout 5:** Points to the "Translation" table at the bottom of the window.

The "Translation" table displays the following data:

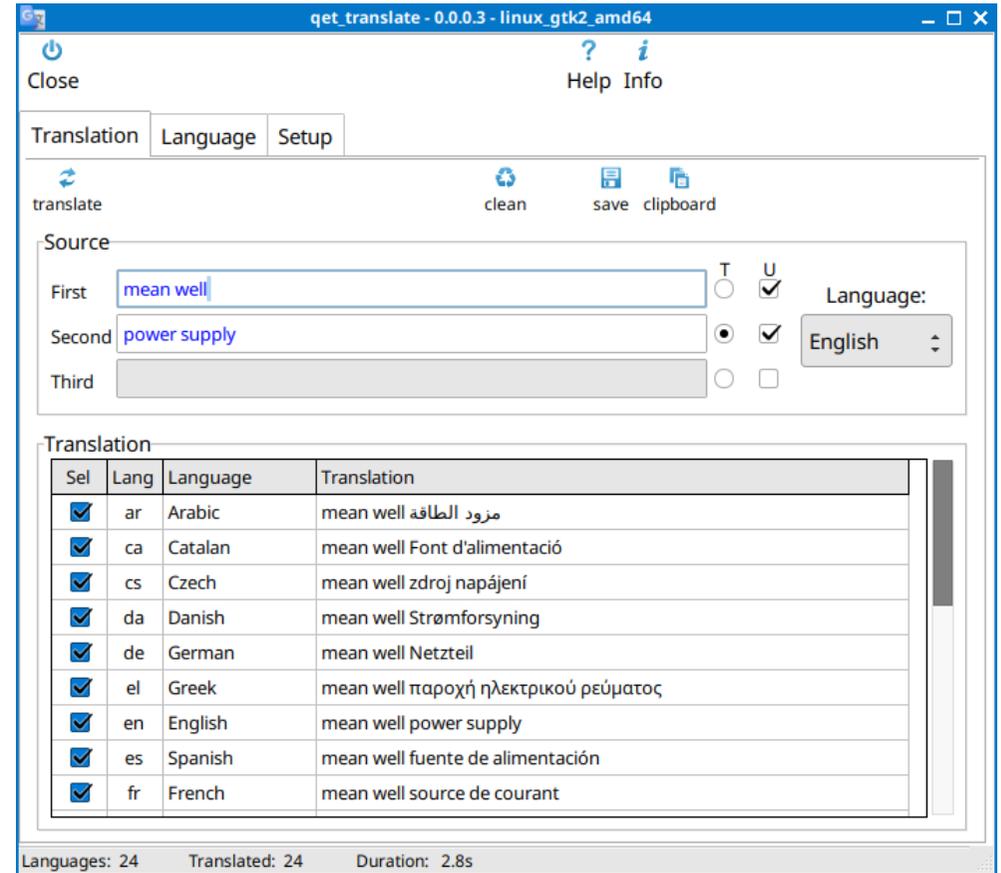
Sel	Lang	Language	Translation
<input checked="" type="checkbox"/>	ar	Arabic	مزود الطاقة
<input checked="" type="checkbox"/>	ca	Catalan	Font d'alimentació
<input checked="" type="checkbox"/>	cs	Czech	zdroj napájení
<input checked="" type="checkbox"/>	da	Danish	Strømforsyning
<input checked="" type="checkbox"/>	de	German	Netzteil
<input checked="" type="checkbox"/>	el	Greek	παροχή ηλεκτρικού ρεύματος
<input checked="" type="checkbox"/>	en	English	power supply
<input checked="" type="checkbox"/>	es	Spanish	fuelle de alimentación
<input checked="" type="checkbox"/>	fr	French	source de courant

At the bottom of the window, the status bar shows: Languages: 24 Translated: 24 Duration: 2.8s

If you want to do a translation with a proper name, it doesn't always work.



The text 'mean well power supply' will return an unusable result.



You can split the text into two or three parts, but only one section will be translated. Leading and trailing spaces are removed from text marked for translation. Spaces and separators can be used in the other two sections.

Completed translation process

Here is an example of a text with three sections and only the second section is translated. Necessary spaces and/or separators must be inserted in the first and third sections. After translation, the texts can be further processed:

The screenshot shows the 'qet_translate' application window. It has three tabs: 'Translation', 'Language', and 'Setup'. The 'Translation' tab is active, showing a 'translate' button, 'clean', 'save', and 'clipboard' buttons. Below these are three text input fields labeled 'First', 'Second', and 'Third'. The 'First' field contains 'mean well', the 'Second' field contains 'power supply', and the 'Third' field contains '-MW NDR-240-24'. To the right of these fields are radio buttons for 'T' and 'C', and checkboxes for 'U'. A 'Language:' dropdown menu is set to 'English'. Below the input fields is a 'Translation' table with columns 'Sel', 'Lang', 'Language', and 'Translation'. The table lists translations for 24 languages, all of which are checked in the 'Sel' column. At the bottom of the window, it displays 'Languages: 24', 'Translated: 24', and 'Duration: 2.8s'.

Button to delete the translation result.

The translations are retrieved from 'Google Translate' and entered in the third column.

How many languages, how many were translated and how many seconds did it take.

Button to save the translation result in a 'qet_directory' file. These files are used in QElectroTech to label the folders for the components.

Only the selected languages will be exported to the file.

Button to save the translation to the clipboard of the computer. This content is used to describe components and is copied into the *.elmt file using an editor.

The contents of the clipboard can be copied between the tags ,names'

```
<names>
    « Paste clipboard
</names>
```

in the *.elmt files.

Only the selected languages will be exported to the clipboard.

Content of the clipboard:

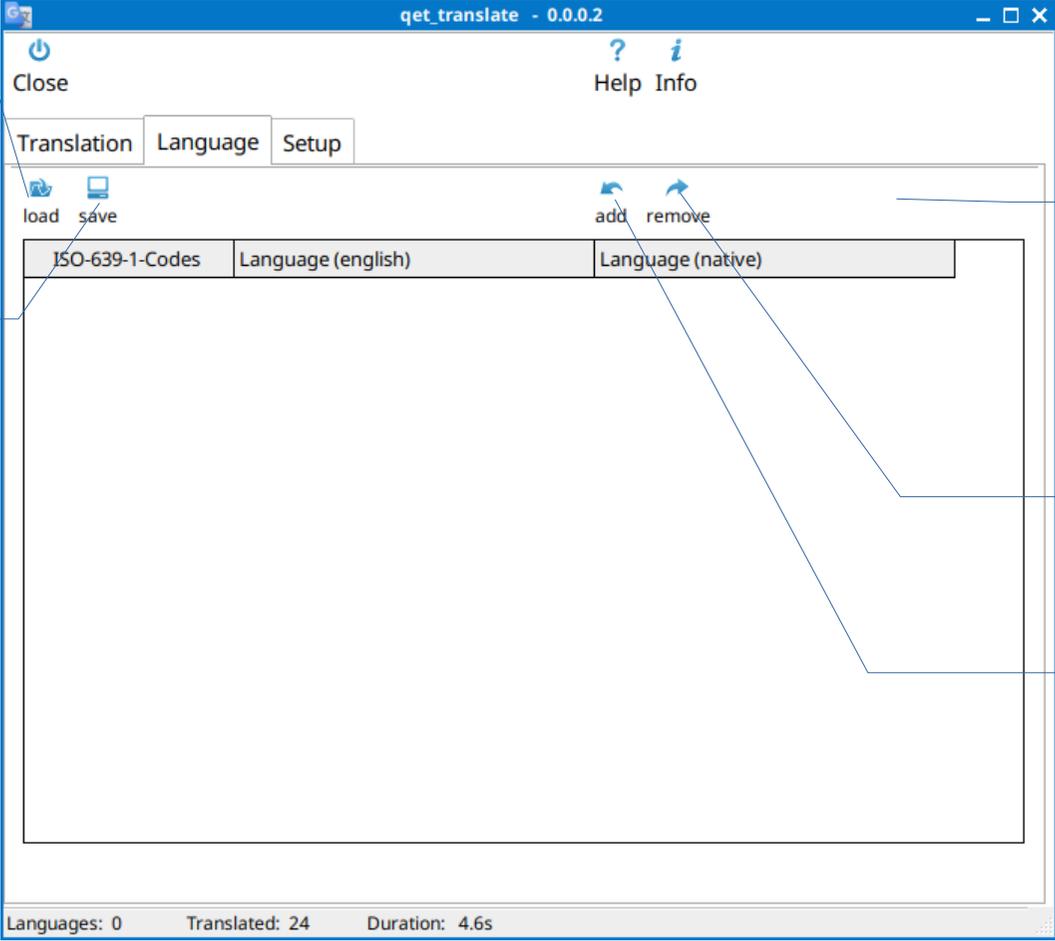
```
<name lang="de">Doppelwirkender Zylinder</name>
<name lang="el">Κύλινδρος διπλής δράσης</name>
<name lang="en">Double-acting cylinder</name>
<name lang="es">Cilindro de doble efecto</name>
<name lang="fr">Vérin double effet</name>
```

Defining the languages

The languages used for the translation can be specified in this window.

Load the language file 'qet_translate.lang'. This file must be in the same folder as the application.

Saving the languages in the 'qet_translate.lang' file.



Toolbar of the current program area.

Delete the selected language from the list.

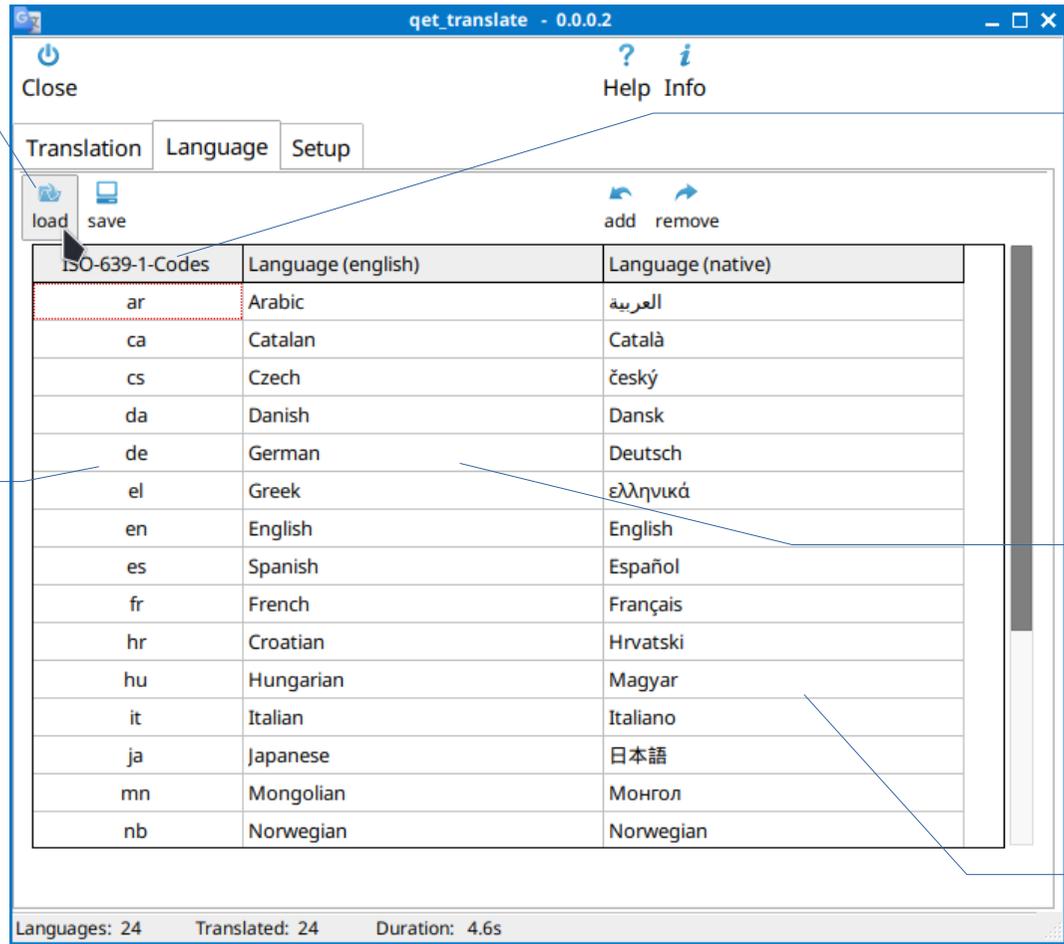
Insert a new language at the end of the list.

Editing the language file

The language file can be loaded and edited as follows:

After loading the language file, the different elements are listed in the table.

By double-clicking in the desired cell, the content can be edited and then saved.



Meaning of the first column:
This content is important for the translation of the text and may not be given out freely.
If a new language is added, the content of these cells must correspond to the information on the links below!

Meaning of the second column:
The content is for information only, so that everyone understands which language is meant.
日本語 may not be clear to everyone.

Meaning of the third column:
This content is used when selecting the source language on the previous program page.

Links:
https://de.wikipedia.org/wiki/Liste_der_ISO-639-1-Codes
https://qelectrotech.org/wiki_new/en/doc/translation

Setup qet_translate

This area will be required for future extensions of the program.

