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Ple4Win

The tool for pipeline strength & stability analysis

**Newsletter number 23** **February 2025**

# Announcing version 4.8.1

We are happy to announce the release of Ple4Win version 4.8.1. This version is a service release, focussing on enhancements, stability improvements and bugfixes. However, a couple of new functionalities have also been added. For a detailed description of all that is new and changed, please see the online change log

As always, we advise customers to upgrade to the latest version, even if no issues have been encountered using version 4.8.0.
Click here to download Ple4Win Professional 4.8.1 right away.

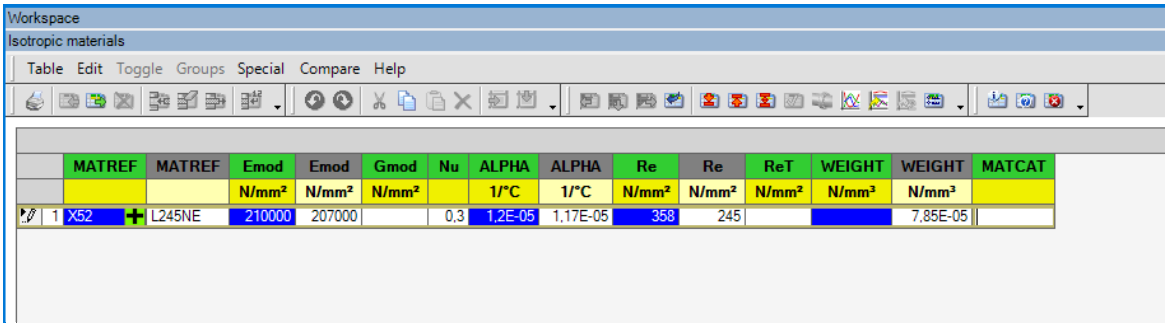
The highlights of this new release are:

- **Data comparison between the primary and secondary database added**.
- **3D visualisation updates such as: wave shape, nodal loads, ribbons for ground and water levels.**
- Value histogram in 3D visualisation can now show negative values.

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## Data comparison between the primary and secondary database

With this update it has been made possible to compare the data from the primary and secondary database in and of the same table. This is possible for both input and output tables. An example:




| | MATREF | MATREF | Emod | Emod | Gmod | Nu | ALPHA | ALPHA | Re | Re | ReT | WEIGHT | WEIGHT | MATCAT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | N/mm² | N/mm² | N/mm² | | 1/°C | 1/°C | N/mm² | N/mm² | N/mm² | N/mm³ | N/mm³ | |
| 1 | X52 | L245NE | 210000 | 207000 | | 0,3 | 1,2E-05 | 1,17E-05 | 358 | 245 | | | 7,85E-05 | |

The grey headers indicate the columns of the secondary database. Not all of them are shown in the default view, only the ones who actually contain differences. This is shown by the blue highlighting of the cells themselves.

This functionality can be accessed under the "Special" menu item of the table toolbar. When comparing data, the "Compare" menu is added gives options to alter the way the differences are presented.

For exporting comparison results of multiple tables a seperate tool is available. This option can be found in the program's main toolbar, next to the other import/export possibilities.

The functionality is described in full detail in the help file.

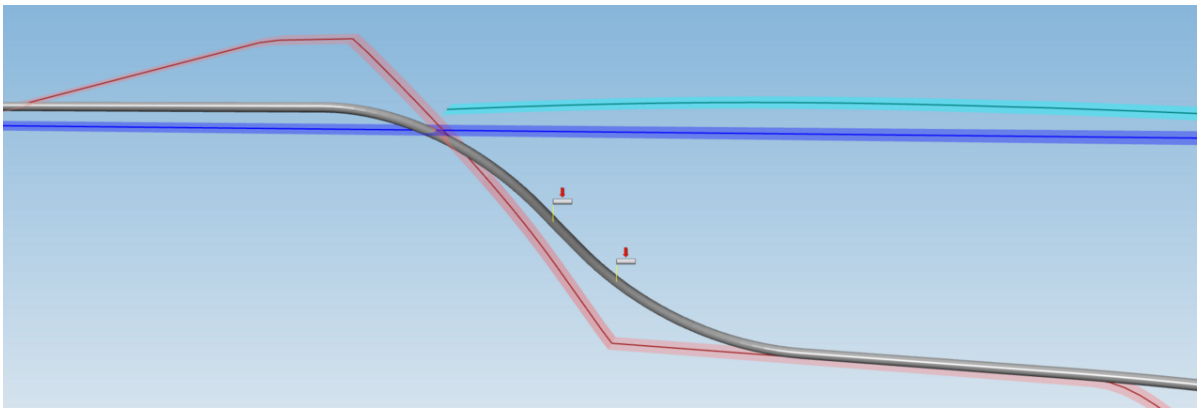
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# 3D visualisation updates

The 3D visualisation has gotten numerous updates, both on the backend to make it run more smoothly, and on the frontend to improve clarity and functionality. Some changes were made so the user interface matched more between the pipe visualisation and the soil wizard. Following are a couple of examples which were made to the 3D visualisation.

## Wave-form and ribbons

To improve the visibility of the ground and water levels it has been made possible to display them not as just lines but also as ribbons. This feature has also been added to the now displayable wave levels as shown in the image below



## Nodal loads

Added to the list of visible constraints are now nodal loads. These are indicated by an icon with a red arrow on top of a pipe, as shown above.

## Negative values in histogram

This update also enables the user to start the histogram from a negative value, instead of only allowing positive values as starting point.

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# Other program changes

A lot of existing functionality has been updated, streamlined or improved. Please see the change log for all details. Some of the more noticable changes are:

- Improved the soil wizard handling of step changes in data, such as ground/water level or diameter (this may result in a change of generated idents)
- Performance improvement when (re-)drawing large or complex graphs
- Expanded hotkeys available when working with tables
- Pipeline joints helpfile pages have been improved with schematics and better explanation.
- And more...

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## Courses for Ple4Win users

As experienced Ple4Win users know, the performance, accuracy, and speed of pipeline projects depend to a large extent on how well the project is modelled. A well-designed pipeline model can often have greater benefits than simply having a faster computer, and can prevent the need for extensive calculations on model variations.
To help users master the art of creating good, functional pipeline models, we are offering a half-day course. This course is designed for experienced users who want to refine their modelling skills and learn advanced techniques.

For more detailed information, call +31 70 390 2386 or mail to info@eds-ple.nl.

In addition to our experienced user course, we also offer training for new users as well as customized training for individuals or small groups. This training can be tailored to your specific needs and can address any particular challenges you may be facing.
The combination of a course and assistance with a project to be calculated is also possible.
Again, contact us for more information

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## Ple4Win forum

For additional support or advice, we encourage you to visit the Ple4Win forum. Here, you can access FAQs, tips and tricks, and report your findings or provide feedback on the software.

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