

Developments

Realized in the past 12 months:

- It is now possible to enter your own materials (steel, concrete, reinforcing steel, and wood) in all programs.
- In a concrete cross-section, the flank reinforcement can optionally be included in the calculation of the moment capacity.
- A two-pile foundation has been added as a new module in **XConstruct**.
- A new module for testing cavity walls under wind load has been added to **XConstruct**.
- It is possible to include your company logo in the output.
- For beams on a bedding, the ground pressure can be displayed graphically.
- It is possible to parameterize your input for **XBeam2D**, **XFrame2D**, and **XFEM4U** from Excel.
- It is also possible to parameterize your input for **XFrame2D** and **XFEM4U** using Python. And that goes a lot further. You will be amazed by the possibilities.
- You can also use old reinforcement diameters.
- It is now possible to export the designed reinforcement, stirrups, and pile positions to DXF so that a draughtsman can quickly incorporate them into his drawing with less chance of errors.
- The selection option in **XFEM4U** has been expanded with Selection by layer.
- Repeat the last command with the Enter key or space bar.
- In **XConstruct**, Pile bearing capacity foundation pile has been added as a new module.
- In **XConstruct**, brick qualities have been added so that walls made of Poriso bricks can also be tested.
- It is now possible to share your (steel) structure created in **XFEM4U** with IDEA StatiCa. The geometry (or a selected part thereof), including all UGT combination forces, can be imported into IDEA StatiCa so that you can quickly design your connections there.
- In **XFrame2D**, **XBeam2D**, and **XFEM4U**, it is now possible to work with shortcut keys. Almost all commands can now be called up with two letters, just like in AutoCAD - Revit.
- In the next releases, which are coming soon, it will be possible to create output in Ms/Word (docx).
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Current developments

- Our developers are already working on the new second generation Eurocode that is coming soon.
- In collaboration with Johan Blaauwendraad and René Braam, we are currently working on the deflection calculation of a partially cracked concrete slab, including creep deformations.
- We are also working on making all input tables accessible in Excel. We will also be able to export beam forces and node reaction forces to Excel.
- The mechanics calculation engine is already extremely fast, as you have probably noticed. However, we are currently working on providing multicore processing. This higher calculation speed will naturally increase ease of use. The higher calculation speed is particularly important in parametric design, which is where we are headed.