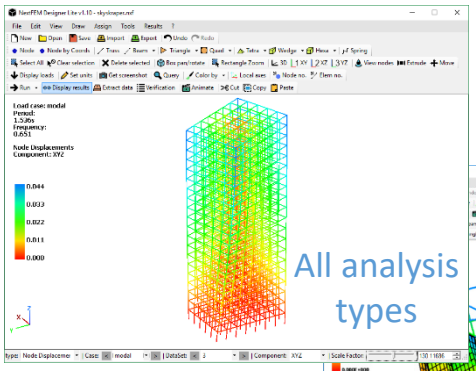
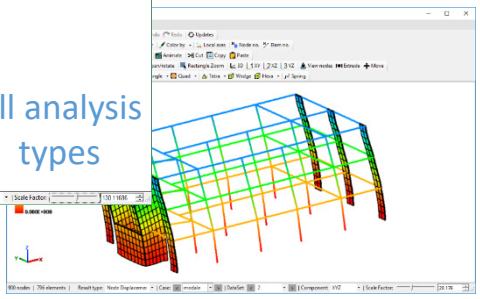
NextFEM
FEA made easy

NextFEM Designer
Quotation sheet – Q4 2020

NextFEM Designer is a brand new program for Finite Element Analysis designed for structures. It supports linear static, modal, dynamic analyses with beams, trusses, shells with 3 and 4 nodes, solids. There's no limitation on the maximum node number.
The input of the model is articulated in a few **essential** steps, as well as the management of the analyzes.
The results of the calculations are **immediately** organized in views organized by homogeneous outputs.



Simple interface



All analysis types

Different solvers supported

The software is **fully modular** – base version is free and with no limitations. Paid modules are described below.

General Design module

End User price: 800€

The **General Design** module activates in the program some advanced features such as:
- ✓ automatic generation of load combinations as per NTC2008 and Eurocode 3 (EN 1993-1-1) for Ultimate and Serviceability Limit States;
- ✓ checking of steel members as per NTC2008 and Eurocode 3 (EN 1993-1-1);
- ✓ checking of timber frames as per Eurocode 5 (EN 1995-1-1);
- ✓ exporting the wireframe or extruded model in DXF format;
- ✓ mesher for solid elements.

ImportExport module

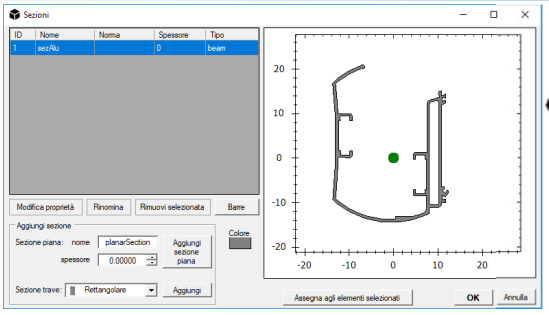
several price options, export to IDEA, DXF and IFC are free!

S12 · Straus7 · midas Gen · SAP2000 · DXF · IFC · IDEA StatiCa® · FREE !

AluCheck module

End User price: 430€

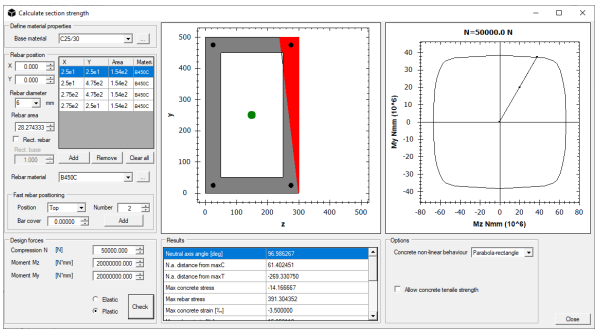
It enables the checking of aluminum alloy members as per Eurocode 9 (EN 1999-1-1) in general structures and also in scaffoldings/frameworks.



Concrete module

End User price: 650€

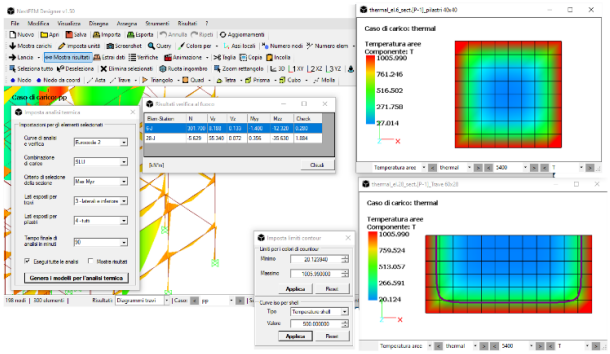
The **Concrete Module** allows to check all the Reinforced Concrete (RC) structures. Firstly, the cross-section calculator is able to calculate all the types of sections, no matter their shape or their base material. For RC sections, the program supports the parabola-rectangle and the bi-linear non-linear laws, and can account for the concrete tensile strength.



FireSafe module

End User price: 400€

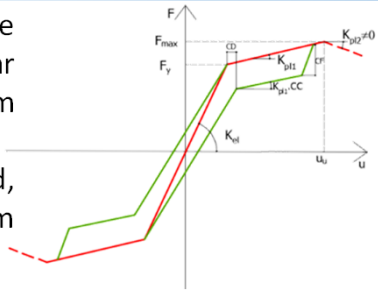
This module can perform a strength check using thermal analysis of sections, automatically carried-out on the base of the original frame model.
Thermal analyses are performed as per Eurocode 2 for RC structures, Eurocode 3 for steel structures and Eurocode 9 for aluminium alloy.



NonLinear module

End User price: 900€

The **NonLinear module** adds to the program a long series of non-linear elements and hinges, in order to perform static and dynamic analyses.
Fiber models are fully supported, including the post-processing of beam diagrams computed in OpenSees.



Through the simple scripting engine already available for verifications, hinges can be set-up with user-defined values, even with interaction domain between shear/moment and axial force.

API module

End User price: 600€

It unleashes the power of programming languages (.NET, VBA, Python, …) for analyzing and checking of structures.

Yearly email support

End User price: 400€

Yearly software updates

End User price: 300€

All prices are NOT including VAT, if applicable.

Installation tutorial and user manuals:
www.nextfem.it/it/help-support/

Support forum:
www.nextfem.it/it/nextfem-designer-support-forum/

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NextFEM SRLS
piazza del Foro Romano 12, 31046 Oderzo (TV) Italy – P.IVA 04954290260 – REA TV-413297