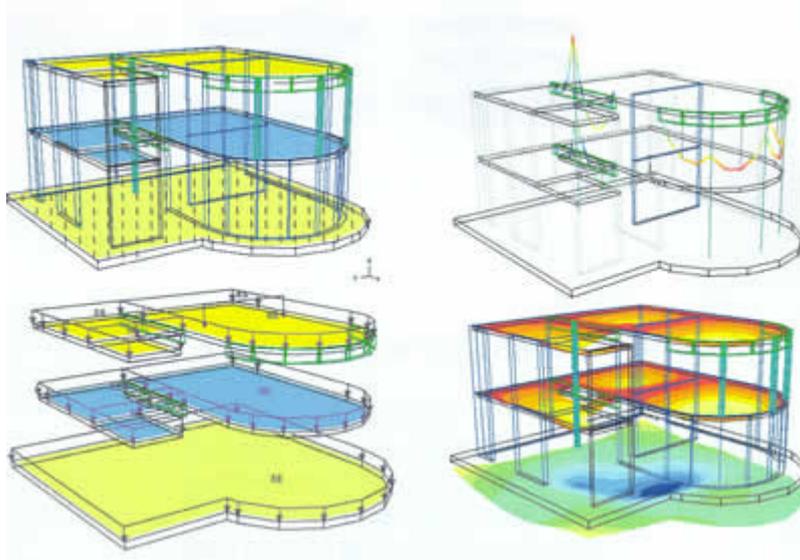


PowerPlate 3D for Bamtec®



Limit state design of beam grids, floor slabs, rafts, walls and multi-storey buildings with PowerPlate.

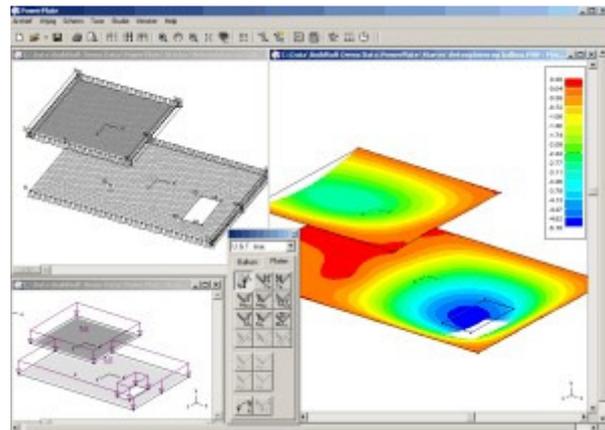
Intuitive

Within PowerPlate's user-friendly environment, you define model geometry **graphically**. Alternatively, you can import model geometry from your CAD package. Next, you specify plates, beams and (elastic) supports. The definition of materials and loads completes your modeling task. Using PowerPlate's rich set of modeling tools (conveniently grouped in an icon toolbox), setting up models for structural analysis couldn't be easier.

Powerful

PowerPlate is built on state-of-the-art finite element solver technologies. PowerPlate instantly provides you with deformations (considering the effects of cracks and creep for concrete structural members), internal forces, reinforcement requirements, ... and presents all of this in clear 3-dimensional graphs.

Where-as other software packages are limited to the analysis of single beams or floor slabs, PowerPlate empowers you to



Start by drawing geometry using any of the available views, or import geometry from your CAD package. In either case, you will end up with the full geometry model that you need for structural analysis in the shortest possible time frame. Finally, complete the geometry model by graphically assigning appropriate boundary conditions and loads to nodes, lines or surfaces.

design multi-storey buildings based on a single structural model.

Complete

PowerPlate provides you with a **complete** solution - **standard**. Each of the 3 available PowerPlate versions offers you structural and loads modeling capabilities, static analysis, limit state design verification and reporting capabilities.

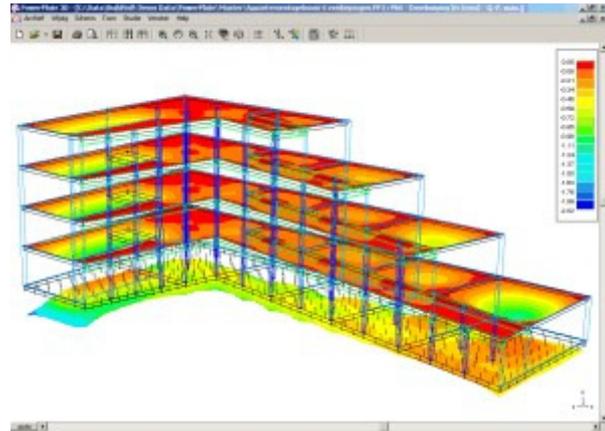
All of this at a fixed price.

Simply select the version (Starter, Standard & Master) which best fits your application needs.

For more Informations:

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The results of a static analysis are colour-coded on the geometry model - for each of the individual load cases or for the loads envelope corresponding with ultimate and serviceability limit states. The structural analysis of a multi-storey building can be done quickly, including limit state design verification against Eurocodes and international standards. Automatic optimisation capabilities will provide you with the most economic dimensions of all or a selection of structural members.