

IDEA StatiCa for concrete

Concrete code-checks made simple

Stop estimating, start calculating, and join 40,000 engineers saving days of work with results they can trust

✓ Walls and discontinuity regions

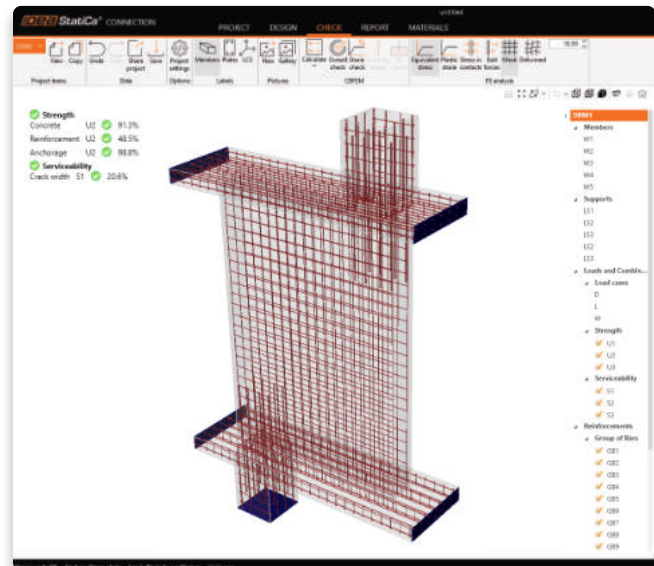
Design concrete walls, D-regions, and members with ease, backed up by code-checks and reporting

✓ Anchoring to concrete blocks

Design anchoring to reinforced concrete with cast-in plates, column pedestals, and more

✓ Members and cross-sections

Design any member geometry, reinforcement, or pre-stressing according to code



” Thanks to IDEA StatiCa, we could adapt the structural reinforcement to the significant loads of the structure that came to us later in the design. Had we not used this software, the design would have required additional reinforcement (...) which the project could not afford.

Ayesa
Structural Engineer

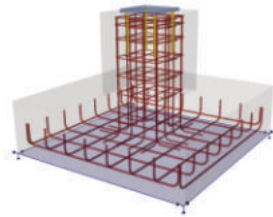
” IDEA StatiCa filled a gap in our existing software – detailed TDA analysis of concrete structures, assessment of reinforced concrete, and prestressed structures.

Dalibor Divis
Design Department
PRIS

Make all of your concrete projects **safer and faster**



Reinforced concrete walls



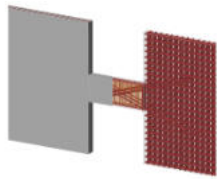
Spread footing reinforcement



Reinforced beams with openings



Reinforced multi-floor walls



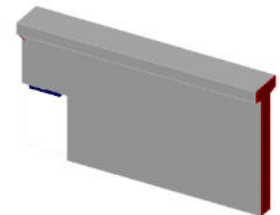
Coupling beams



Walking column



Beams with hanging

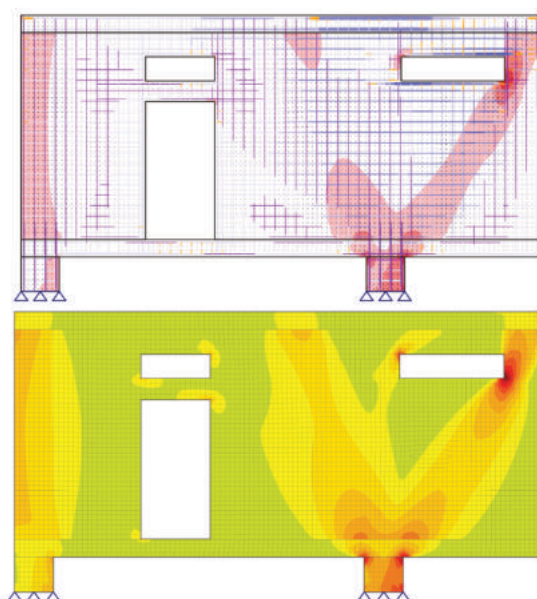


Deep beams with dapped-end

” These fast checks and repeatedly performed optimization of the cross-sections allowed us to design very effective and economic structure. The option of the prestressed roof slab was also cheaper by dozens of percent compared to the composite ceiling.

Citing Trenon and Bestr case study on waffle slab structure in Zbysov

Design walls and D-regions **with ease**



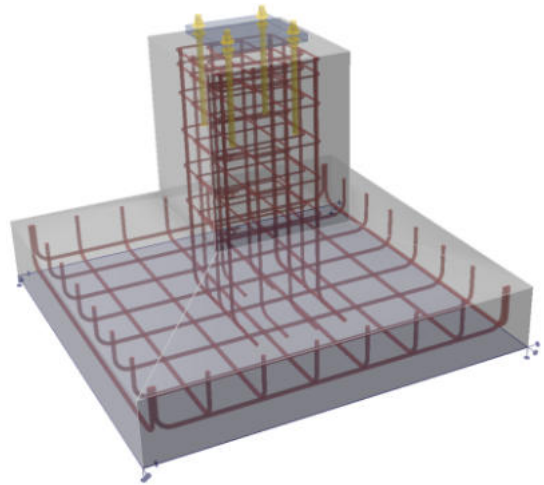
Make your designs of D-regions accurate. Design rebars and tendons and get non-linear analysis results in 2D, including ULS/SLS according to EN, ACI, and AUS for:

- Concrete walls
- Beams with openings, dapped ends, etc.
- Bridge diaphragms
- Pile caps and pier caps
- General shaped D-regions

Prevent critical failures in anchoring design

Design concrete reinforcement for anchoring, including near-edge base-plates, cast-in plates, and non-standard foundation shapes.

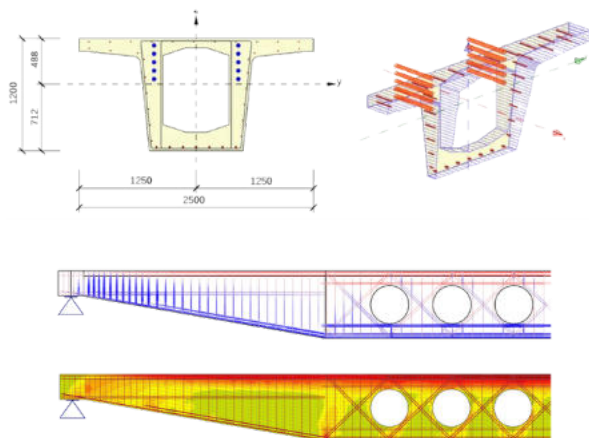
- Import base plates, anchors, and loads from the IDEA StatiCa Connection app to design concrete reinforcement
- Create accurate outputs using real reinforcement, stiffness, and shear transfer through anchors, shear lugs, or friction
- Get non-linear analysis results in 3D for ULS



” We design large infrastructure projects and bridges. We have been using IDEA StatiCa for 3 years. The biggest advantage for me is that I can work much faster and more efficiently than before. I like that the program is user friendly and simple. Easy input, easy design, it helps me a lot.

Viktor Cechacek, Structural Engineer at PK Ossendorf

Perform concrete member and cross-section design



Analyze, design, and code-check concrete of any geometry, cross-section, and loading, including:

- Reinforced concrete beams, sections, and cross-sections
- Prestressed members and cross-sections
- Composite/staged cross-sections
- 2D elements – slabs, walls, and shells
- Beams with openings, general shape frames, slender members

Start using IDEA StatiCa in just 15 minutes

” This software is so user-friendly that we can explore different variants at an early stage.

Jakub Cech
Principal Engineer at BKB Metal

1. Sign up for a 14-day free trial version at [ideastatica.com/role-navigation](https://www.ideastatica.com/role-navigation) or ask for a live demo at [ideastatica.com/request-demo](https://www.ideastatica.com/request-demo)
2. Download the apps via a link in your email and install
3. Try out the software using built-in models or your own designs
4. Your local IDEA StatiCa expert will be in touch to help you get the most out of the software

Easily incorporate IDEA StatiCa into your company workflow

You can easily import any designs into IDEA StatiCa and export them for your colleagues to work with, along with appropriate reports. Be confident that everything is in accordance with the design code you operate in for any given project.

With IDEA StatiCa APIs, connect your own tools, automate connection and reinforced concrete cross-section design, and run batch checks from Python or C#. Use ready-made or custom scripts, access full API docs, export reports, and eliminate repetitive tasks.



Try out IDEA StatiCa for 14 days for free

Solve your designs using IDEA StatiCa, the industry-leading solution enabling safe structural design of steel connections, concrete details, and critical members at www.ideastatica.com.

1.4 million

structural design
calculations monthly

10,000+

companies using
IDEA StatiCa

58,000+

people using IDEA
StatiCa over last year