

DESIGN ANY CONNECTION **IN MINUTES!**

Efficiently analyze and design steel connections from simple to complex. Validate your design with detailed reports, including code-checks, material lists, and sketches.



STOP STRUGGLING WITH CONNECTION DESIGN

Model any type of steel connection from scratch, select from over 400,000 predefined connections, or import your connection directly from your analysis or BIM software. Utilize diverse loading scenarios, observe structural responses, and subsequently generate sketches and detailed reports to validate your design.

IDEA StatiCa Connection lets you:

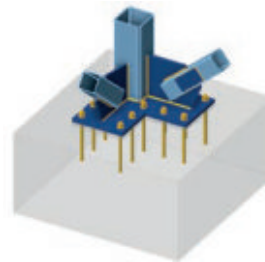
- ✓ Design any bolted or welded connection
- ✓ Model steel moment, shear and axial connections, and complex structural joints
- ✓ Perform advanced analyses, including buckling, stiffness analysis, design resistance, and seismic
- ✓ Receive clear pass/fail checks, according to the AISC code, in minutes
- ✓ Export your connection in IFC format
- ✓ Supported integrations with Tekla, SDS2, Autodesk Revit, STAAD.Pro, SAP2000 and many more.



K-TYPE JOINT



GUSSET PLATE



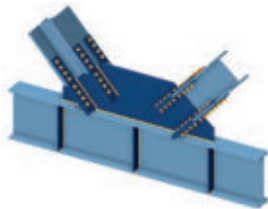
BASE PLATE



BEAM-TO-COLUMN
MOMENT CONNECTION



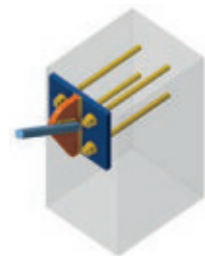
BOLTED BRACING
CONNECTION



TRUSS CONNECTION



COMPLEX JOINTS
USING HSS SECTIONS

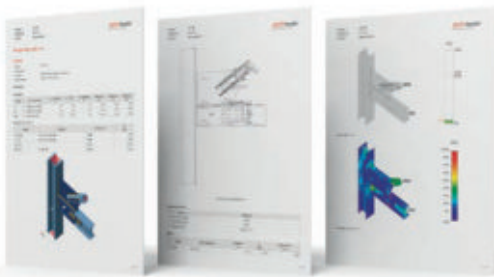


ANCHORING

COMPREHENSIVE REPORTING THAT **JUSTIFIES YOUR DESIGN**

IDEA StatiCa Connection generates reports that are fully scalable and customizable, including:

- ✓ Model and load details
- ✓ Stress-strain analysis
- ✓ Buckling analysis
- ✓ Seismic design
- ✓ Ultimate joint capacity
- ✓ Fatigue
- ✓ Fire design

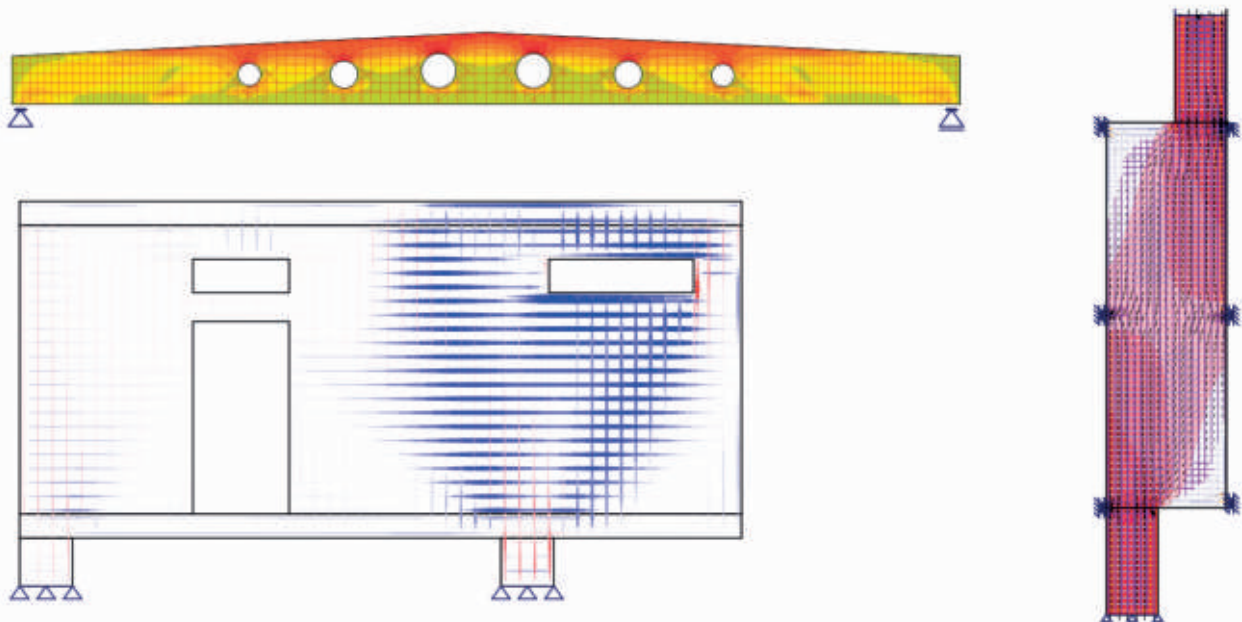


TRUSTED AND VERIFIED BY UNIVERSITIES



CONCRETE DESIGN **MADE SIMPLE!**

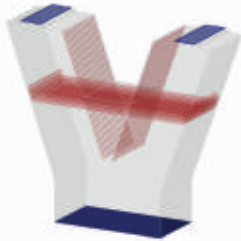
Accurately and safely design concrete walls, D-regions, or whole members. IDEA StatiCa Detail gives you a complete design report with all strength and serviceability checks for all possible layouts.



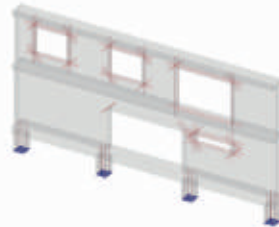
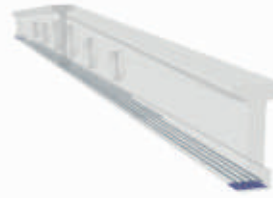
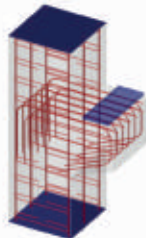
DESIGN ALL CONCRETE WALLS AND DETAILS

Go beyond traditional methods for calculating concrete elements and see their real structural behavior. Design and analyze members, walls, and D-regions in your concrete structures and get:

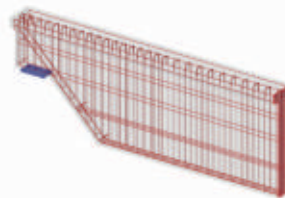
- ✓ Both reinforced and prestressed concrete
- ✓ Ready-made templates, import from DXF
- ✓ Strength of concrete and reinforcement, anchoring checks
- ✓ Nonlinear deflections
- ✓ Clear pass/fail results for any geometry
- ✓ Serviceability checks - Crack width checks, Stress limitation checks



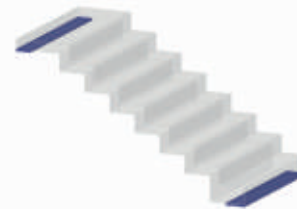
PIER CAPS

PRECAST AND CAST
IN SITU WALLSPRESTRESSED MEMBER
WITH OPENINGSBRIDGE
DIAPHRAGMS

CORBELS



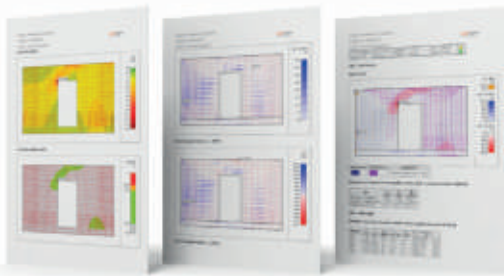
DAPPED ENDS

ARCHITECTURAL
SHAPES

COMPLETE REPORT THAT **PROVES YOUR DESIGN**

IDEA StatiCa Detail generates and compiles strength and serviceability state checks as fully scalable and customizable reports, including:

- ✓ Stress/strain in reinforcement and tendons
- ✓ Stress/strain in concrete
- ✓ Anchoring checks
- ✓ Reinforcement optimization
- ✓ Stress limitation checks
- ✓ Crack width checks
- ✓ Non-linear deflections



TRUSTED EVERY DAY BY ENGINEERS THE WORLD OVER

IDEA StatiCa is the global industry-leading solution enabling the safe structural design of steel connections, concrete details, and critical members.

1.1M+

Structural design calculations
monthly

8,000+

Customers worldwide

110,000+

Users of IDEA StatiCa per year

