



SuperHub Meerstad | Pieters Bouwtechniek | © Photo Ronald Tillemans

# SCIA EDITIONS 2025

## MODELING

Frame modelling and linear analysis
Modelling of surfaces and shells and linear analysis
General cross-section editor
Parametric modelling
3D freeform modeller

## INTEROPERABILITY AND BIM

BIM toolbox
Revit link
Tekla link

## LOAD GENERATORS

Climatic loads
Traffic loads

## ANALYSIS

Basic non-linear analysis
Stability analysis (general buckling form)
Advanced material non-linear analysis
Advanced geometric non-linear analysis
Soil structure interaction
Material non-linear analysis for concrete
Dynamic eigenmodes analysis
Seismic
Vibration analysis
Construction stages
Prestressed concrete analysis

## CONCRETE DESIGN

Concrete design of frames and surfaces (theoretical reinforcement) (EN, IBC, SIA)
Concrete punching check - EN 1992 (EN, SIA)
Practical reinforcement
Long term deflection analysis
Prestress design

## STEEL DESIGN

Steel design and optimization - Steel code check - EN 1993 (EN, IBC, SIA)
Cold formed steel design - EN 1993 (EN, IBC)
Steel fire resistance design - EN 1993 (EN, SIA)
Steel connection design and drawings
Scaffolding checks - EN 12811-1
Foundation pad design - Pad foundations - EN 1997

## DESIGN OTHER MATERIALS

Timber design and optimization - EN 1995
Aluminium design and optimization - EN 1999
Composite beam design - EN 1994 (EN, IBC)
Composite column design - EN 1994

## OVERVIEW DRAWINGS

General overview drawings
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## OTHER ADD-ONS

Toolbox 'Open Design'
Other languages

	BASIC FEM STATICS	CONCEPT	PROFESSIONAL	ULTIMATE
Frame modelling and linear analysis	■	■	■	■
Modelling of surfaces and shells and linear analysis	■	■	■	■
General cross-section editor			■	■
Parametric modelling			■	■
3D freeform modeller				■
BIM toolbox		■	■	■
Revit link		■	■	■
Tekla link		■	■	■
Climatic loads	■	■	■	■
Traffic loads			■	■
Basic non-linear analysis	■	■	■	■
Stability analysis (general buckling form)	■	■	■	■
Advanced material non-linear analysis			■	■
Advanced geometric non-linear analysis				■
Soil structure interaction				■
Material non-linear analysis for concrete				■
Dynamic eigenmodes analysis		■	■	■
Seismic		■	■	■
Vibration analysis				■
Construction stages				■
Prestressed concrete analysis				■
Concrete design of frames and surfaces (theoretical reinforcement) (EN, IBC, SIA)		■	■	■ (EN, IBC, SIA)
Concrete punching check - EN 1992 (EN, SIA)		■	■	■ (EN, SIA)
Practical reinforcement		■	■	■
Long term deflection analysis		■	■	■
Prestress design				■
Steel design and optimization - Steel code check - EN 1993 (EN, IBC, SIA)		■	■	■ (EN, IBC, SIA)
Cold formed steel design - EN 1993 (EN, IBC)			■	■ (EN, IBC)
Steel fire resistance design - EN 1993 (EN, SIA)			■	■ (EN, SIA)
Steel connection design and drawings			■	■
Scaffolding checks - EN 12811-1				■
Foundation pad design - Pad foundations - EN 1997		■	■	■
Timber design and optimization - EN 1995		■	■	■
Aluminium design and optimization - EN 1999			■	■
Composite beam design - EN 1994 (EN, IBC)			■	■ (EN, IBC)
Composite column design - EN 1994			■	■
General overview drawings			■	■
Toolbox 'Open Design'			■	■
Other languages		■	■	■