

DESCON

STRUCTURAL ENGINEERING

LEADING STRUCTURAL ENGINEERS
IN BALTIC STATES



DESCON

STRUCTURAL ENGINEERING

BUILDING
INFORMATION
MODELING



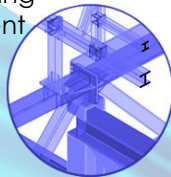
ONE OF THE LEADING BIM ENGINEERS IN NORDIC COUNTRIES

Descon provides cost-effective solutions that address unique project challenges. In every task we look at projects holistically to find the optimal solution. Our projects are completed in a timely manner and in line with local regulations.



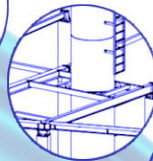
Erection scheduling

- Erection planing & follow up
- Sequencing & lotting
- Project management



Detailing

- Shop drawings
- Detailed connections



Erection drawings

- General arrangement drawings
- Sections & elevations



Sales & bidding

- Cost estimating
- Alternative solutions



Conceptual design

- Preliminary drawings
- Basic structure sizes & positions.



Fabrication integration

- Production automation
- CNC data files



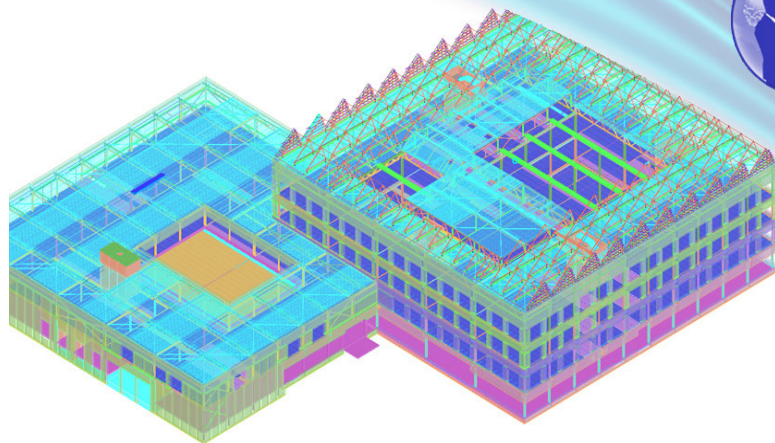
Structural engineering

- Finding optimal solutions
- 3D TEKLA modelling



Architectural integration

BIM

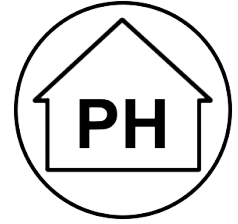


WE DO



Structural Engineering and
BIM management

- Tender (conceptual) model calculation
- Concrete structures design/ detailing
- Precast structures design/ detailing
- Steel structure design/ detailing
- Stability calculation



Passive house design and
energy calculation

- Passive House design
- Energy efficiency modeling
- Thermal bridge calculation
- Energy balance calculation (PHPP)

WE OFFER

- 20% Lower construction costs
- 20% Increase your profit
- 25% Shorter construction time
- 30% Improved conditions for building maintenance
- 80% Less errors and rework
- 80% Better quality projects

OUR TEAM

Highly skilled professionals



Main Design Engineers

Design Modelers

Structural Designers

Design Team Leaders

Technical advisors

OUR SOFTWARE



OUR PARTNERS

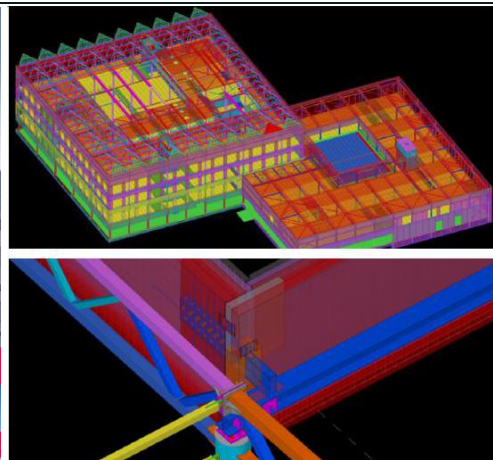


UAB "Descon"

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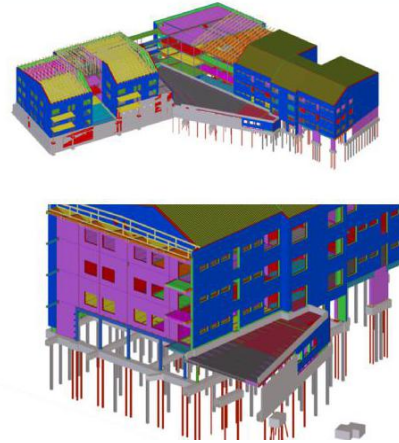


NAME: Ikea's Headquarters "Hubhult"
 TYPE: Structural engineering
 ARCHITECT: Dorte Mandrup
 CLIENT: IKEA Fastigheter AB
 LOCATION: Malmö, Sweden
 COMPLETED: 2014



22,000 m2 surface area building is made from Steel composite columns, concrete columns, Delta Beam, HDF slab, steel frame roof.

This project was nominated for Tekla BIM Awards 2014 as one of the finalists together with leading companies from Sweden



NAME: VALLASTADEN School
 TYPE: Structural engineering
 ARCHITECT: M5 Arkitektur
 CLIENT: SKANSKA
 LOCATION: Linköping, Sweden
 COMPLETED: 2016



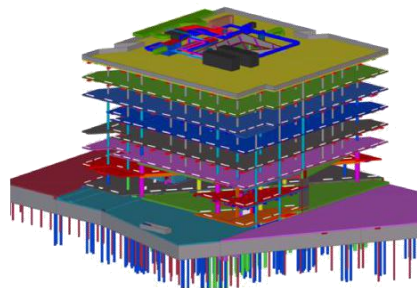
School was designed using BIM in order to optimize building costs, and reduce erection time. It also helped to prevent errors due high precision.



NAME: Residential buildings and parking
 TYPE: Structural engineering
 ARCHITECT: Gisteråsöstrand Arkitektur AB
 CLIENT: PEAB, Marsalis Bygg
 LOCATION: Östersund, Sweden
 COMPLETED: 2014



Building is designed using Open BIM modeling. It contains - all precast concrete structure. Precast concrete detailing.

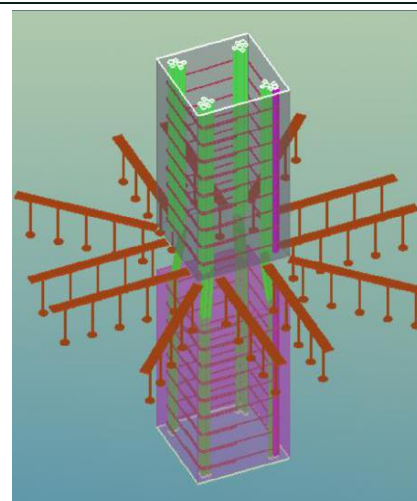


NAME: Imlitex office building
 TYPE: Structural engineering
 ARCHITECT: G. Natkevicius ir Partneriai
 CLIENT: YIT Kausta;
 G. Natkevicius ir Partneriai

LOCATION: Kaunas, Lithuania
 COMPLETED: 2017

Post - tensioned concrete structure.
 Building meets A+ class energy efficiency regulations. It has unique expressive architecture.

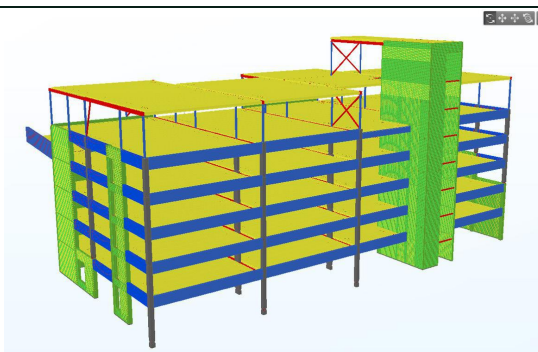
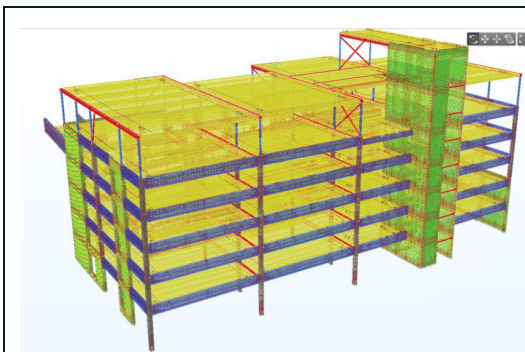
YIT



NAME: Office building Mikrovisata
 TYPE: Structural engineering
 ARCHITECT: G. Natkevicius ir Partneriai
 CLIENT: Mikrovisata valda
 LOCATION: Kaunas, Lithuania
 COMPLETED: 2017

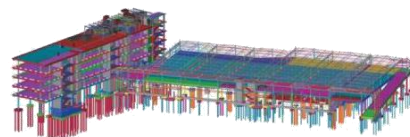
Building is made from In - Situ concrete structure.
 It meets A class energy efficiency regulations.

**mikro
visata**



NAME: P-Hus.
 TYPE: Structural engineering
 ARCHITECT: NCC
 CLIENT: Strangbetong
 LOCATION: Sweden
 STATUS: in progress

**CONSOLIS
STRÄNGBETONG**



NAME: Maxima office building
TYPE: Structural engineering
ARCHITECT: Gediminas Jurevicius
CLIENT: Maxima
LOCATION: Vilnius, Lithuania
COMPLETED: 2016

MAXIMA

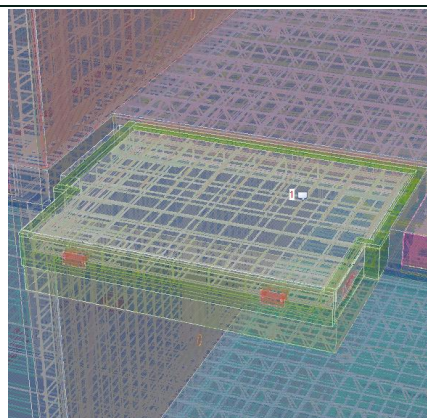
It was first BIM project for Maxima.
It allowed client to reduce exploitation costs and prevent errors.
This project was nominated for Tekla BIM Awards 2016 as one of the finalists together with leading companies from Sweden



NAME: Library building
TYPE: Structural engineering
CLIENT: PEAB
LOCATION: Jonstorp, Sweden
COMPLETED: 2012

PEAB

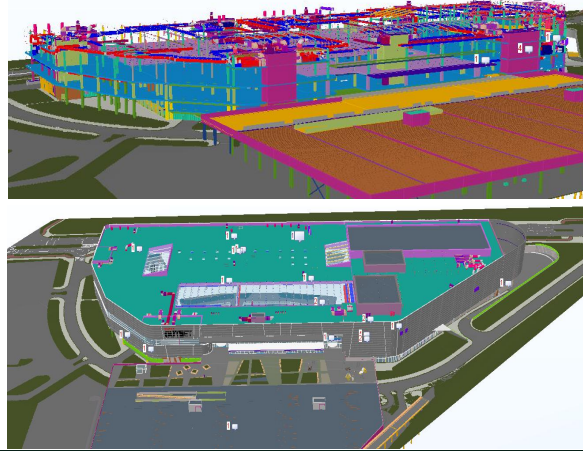
Precast-steel concrete structures.
Precast concrete detailing.



NAME: Brf. Ljuspunkten i Vasby
TYPE: Structural engineering
ARCHITECT: Sweco
CLIENT: Skonto Prefab
LOCATION: Vasby, Sweden
STATUS: in progress

**SKONTO
PREFAB**

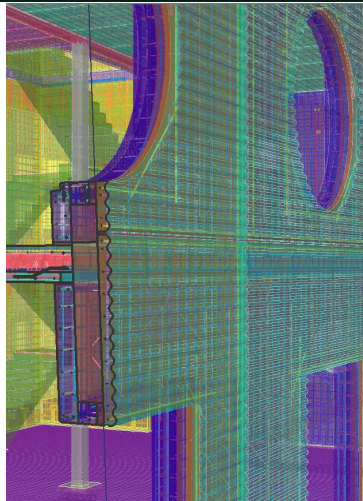
6 story building with car parking.



NAME: Vilnius Outlet Shopping Center
 TYPE: Structural engineering
 ARCHITECT: Užupio Architektai
 CLIENT: GEDIMINO JUREVIČIAUS STUDIJA
 LOCATION: Vilnius, Lithuania
 STATUS: in progress



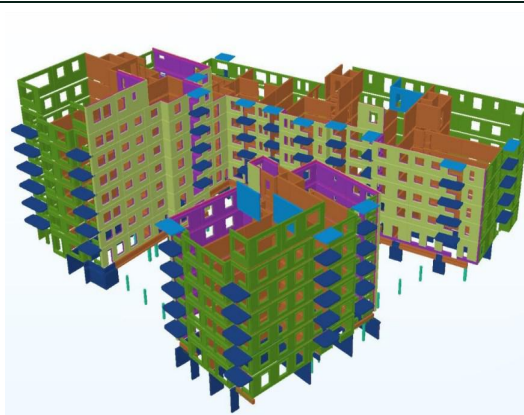
60 000 sq.meters shopping mall is soon to be built in Vilnius.
 Descon has engineered the building maintaining special focus on construction cost and superior energy efficiency.



NAME: SPARVAGNENS FORSKOLA NYBYGGNAD
 TYPE: Structural engineering
 ARCHITECT: NEW LINE ARKITEKTER AB
 CLIENT: CONRESTA
 LOCATION: Malmo, Sweden
 COMPLETED: 2018



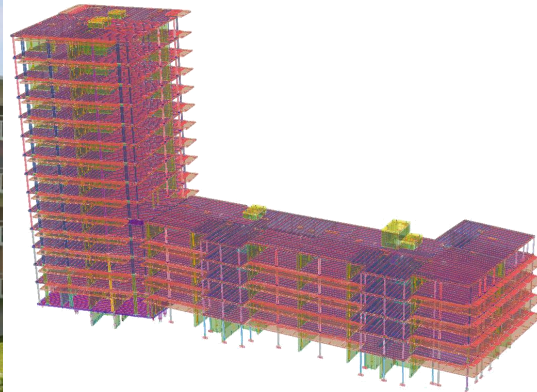
Difficult profile precast concrete walls.



NAME: CEMENT A
 TYPE: Structural engineering
 ARCHITECT: KANOZI ARKITEKTER
 CLIENT: SKANSKA
 LOCATION: Malmo, Sweden
 STATUS: in progress



This project is challenging due to amount of walls and big sized windows.

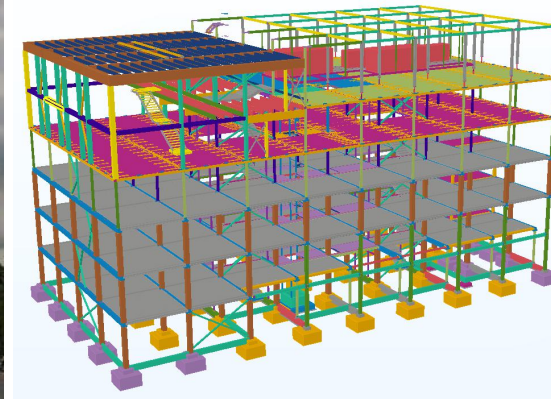


NAME: Sävlingen 2
 TYPE: Structural engineering
 ARCHITECT: Arcum Arkitektkontor ab
 CLIENT: Skonto Prefab
 LOCATION: Stockholm, Sweden
 STATUS: in progress



-15 Story residential building

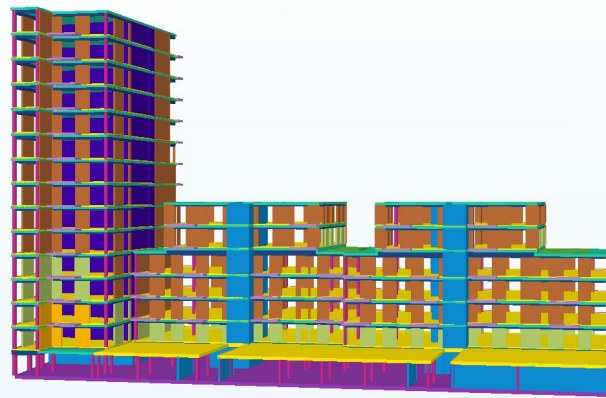
- Filigree slabs, Precast walls, steel columns in wooden facade.



NAME: Office building
 TYPE: Renovation
 ARCHITECT: nebrau.com
 CLIENT: Klaipėdos Terminalo Grupė
 LOCATION: Kaunas, Lithuania
 STATUS: in progress

nebrau.cøm

Old cultural centre being renovated into office building.



NAME: Apartment building in Europos pr.
 TYPE: Structural engineering
 ARCHITECT: GJS
 CLIENT: GJS
 LOCATION: Kaunas, Lithuania
 STATUS: in progress



-15 Story residential building

- 9300m² of space.

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