

NS DRAFTER DCE DOO

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Construct Your Future With Us



We're a team of engineers who believe that clarity is the foundation of every successful structure

Over the years, we've become the trusted detailing and modeling partner for contractors, fabricators, and engineering teams across markets. Known among industry leaders as a partner behind projects that demand flawless execution. Some of the most complex projects we've worked on didn't just require technical expertise, they also called for our adaptability.



Rapid Turnaround, Often Within 24 Hours.

And through it all, our focus remains the same: Deliver **clear, precise, and feasible shop drawings, 3D models and other project documentation**, no matter the complexity or pace.

Over time, we've shaped our workflows to align with the realities our clients face.

When urgent modifications are required, we have the capacity to process and return revised documentation within 1 hour. Flexibility to scale up when needed. Dedicated communication for urgent tasks. Team structures that adapt to your delivery needs. And if we're in a different time zone, it can be an advantage.

That's how we've helped keep schedules on track, not just by doing the work, but by being the kind of **partner that steps up when it matters most.**

Don't take our word for it. Hear what our clients say:



Ron Guenther

Project Manager, Midvalley Rebar (Salit Group)

"I must say I am very impressed by the detailing I have seen so far. My coordinators say it is a breath of fresh air."



Brandon Mawhorr

Chief Operating Officer, Lloyd Rebar Co.

"NS Drafter has been a great asset to the Lloyd Rebar team. Great group of people that are both willing and eager to assist in any project big or small. Their attention to detail goes unmatched providing top-tier quality across projects. NS Drafter has been a great team to work with, they have readily adapted to schedule changes and provided valuable input for our projects. They are a reliable partner and asset to Lloyd Rebar."



Donald T. Burns

Owner, EH BURNS LLC

"Very positive and friendly cooperation with this team."



Paul Wegerer

Chief Executive Officer, clone:it

"I see significant opportunities in the collaboration between clone:it and NS Drafter. Specialized in designing complex rebar structures, NS Drafter's expertise, combined with clone:it's innovative solutions, ensures these structures are constructed efficiently and with the highest quality on-site. Our shared objective is to provide top-tier services for reinforced concrete to our customers and construction companies."



Dick Grotholt

General Manager, Paxaro

"We have been working with NS Drafter for five years now, mainly for 3D reinforcement design. From the start, the contact has been very pleasant. For us, NS Drafter is an excellent addition to our own design capacity!"



Stefan Schmidt

Diplom-Ingenieur, Heller Tragwerksplanung

"Working with NS drafter is delightful, very professional and a great benefit for IB Heller to get perfect drawings to our customers. The high-quality work from NS drafter helps us in our structural design."



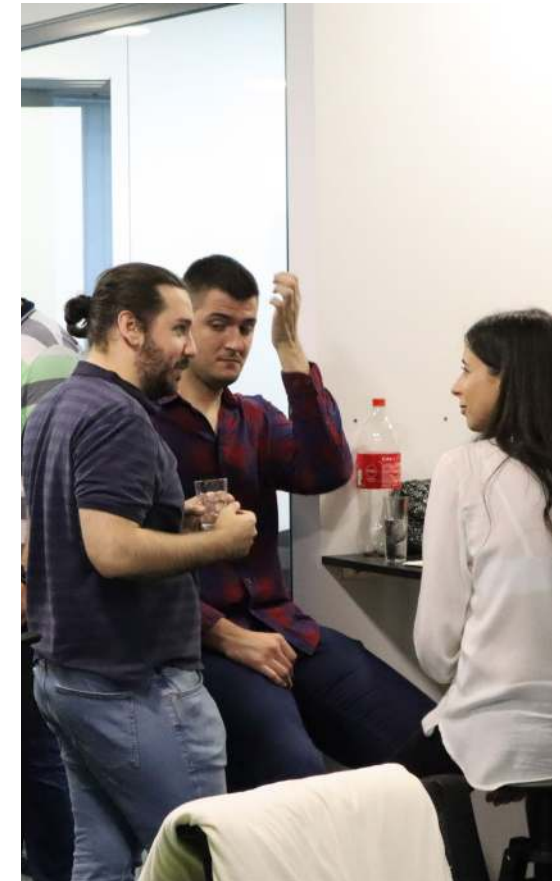
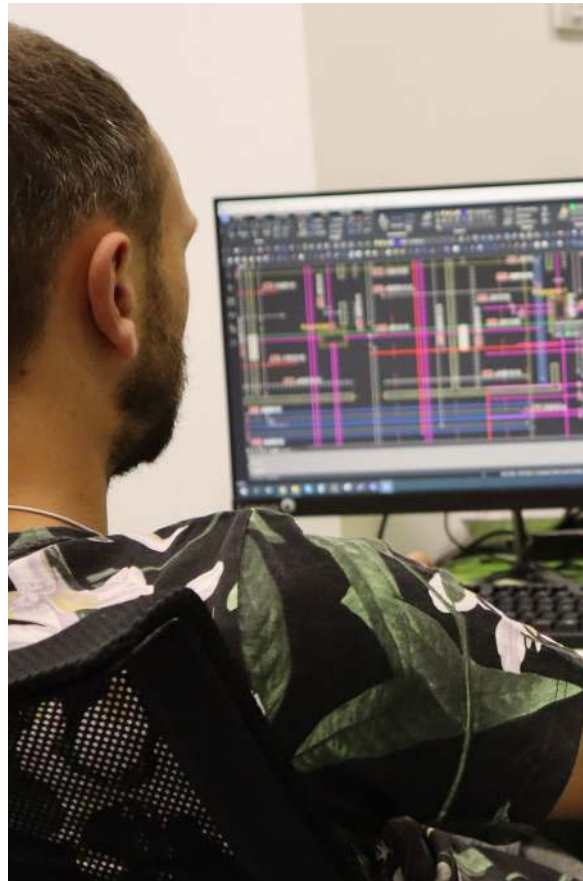
Ivar Makadsi

Founder, Svensk Bygglövstjänst

"NS Drafter has been a phenomenal partner to our engineering company in Sweden. They are meticulous in their work and eager to fill any need or request we might have. I highly recommend partnering with them!"

Our team brings together civil engineers, architects, and experienced technicians using AutoCAD, Allplan, Revit, Strakon, and Tekla

Supported by project managers, HR, IT, legal, sales and marketing professionals.



Company Timeline

2017 (2 founders)

Where It All Started

Ognjen and Aljoša leave their jobs to start NS Drafter, launching the website as their first channel for clients.

2018 (6 founders)

NS Drafter Is Founded

Four colleagues join Ognjen and Aljoša, founding NS Drafter as a six-person team.

2019 (25 engineers)

From 6 to 25 People

The team grows from 6 to 25, NS Drafter becomes a legal entity, joins BIM Serbia, and adopts Revit for 3D modeling.

2020 (3 services)

Full Service Expansion

Despite COVID-19, NS Drafter expands into steel detailing and BIM coordination for Central European clients.

2021 (New markets)

Expanding Beyond Borders

The company enters new international markets and opens a new office in the city's business district.

2022 (500th project)

500 Projects Delivered

NS Drafter delivers its 500th project.

2023 (50 employees)

Team of 50

The team reaches 50 employees.

2025 (30+ countries)

Global Reach

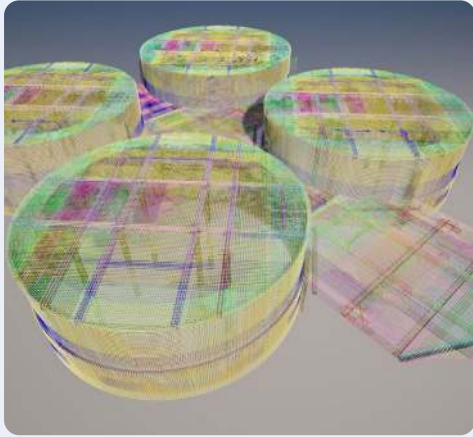
NS Drafter's projects now span 30+ countries across multiple continents.

Today (400,000+ tons)

Where We Stand Today

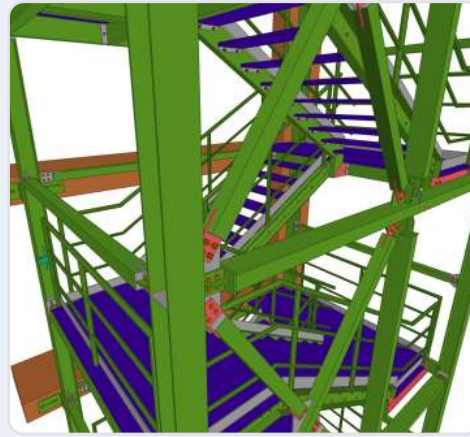
NS Drafter has detailed 400,000+ tons of rebar, delivered 1,000+ projects, and built lasting relationships with 100+ clients.

What we offer



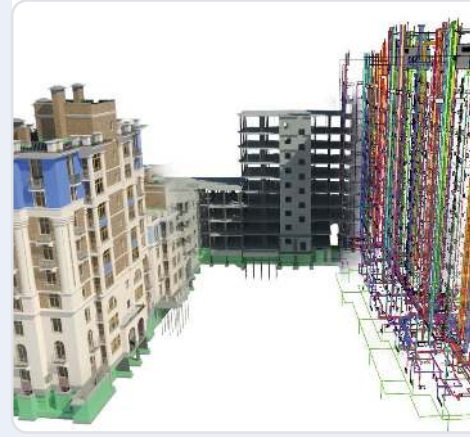
Formwork and reinforcement drawings and modeling

NS Drafter provide precise, build-ready drawings and models tailored to your project, including bends, shapes, and lap splices. By resolving constructability issues early, we help avoid costly site revisions and delays. Our clear documentation streamlines installation and supports field teams with confidence, especially on complex, large-scale structures.



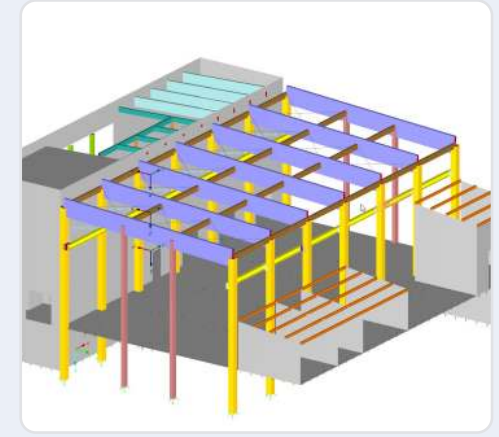
Structural steel drawings and modeling

With accurate, structural steel drawings and models, we reduce rework and production errors. Our plans include all necessary specifications, ensuring smooth coordination between design and production of structural steel elements. The results are streamlined costs, enhanced predictability, and better control over execution and assembly.



3D BIM Modeling

Coordinated 3D models turn complex design data into a clear picture every stakeholder can understand. Early detection of potential issues helps reduce risks and avoid budget overruns. Interactive walkthroughs support faster decisions, resulting in greater precision, fewer revisions, and projects delivered on time.



Structural Engineering

Rigorous structural analysis, design, and optimisation for reinforced concrete, steel, and timber structures. From structural system selection and load analysis to member sizing, stability verification, and construction-ready documentation, every stage is coordinated with architectural requirements, applicable standards, and project constraints.

Work process

• 01 Project setup

Every project begins with a clear definition of scope and requirements. After the agreement is in place, all documentation is reviewed, deadlines are confirmed, and a project manager is assigned as the main point of contact.

• 02 Team assignment

The project manager assembles a team of detailers, modelers, and engineers if needed. The team is tailored to match the project scope and scaled based on the required delivery pace.

• 03 Internal Preparation and Quality Control

Our process begins with a structured internal briefing covering scope, output formats, technical standards, file structure, layer setup, and coordination protocols. Each input is then subject to a detailed quality check, including geometry validation, standards compliance, layer organization, and annotations. When needed, we coordinate early with architects, structural, and MEP teams to resolve any potential clashes before delivery.

• 04 Production phase

Work is organized into stages, typically by element or floor. Standardized templates, structured layers, and consistent drawing and modeling logic are used to ensure quality and efficiency.

• 05 Internal two-level quality control

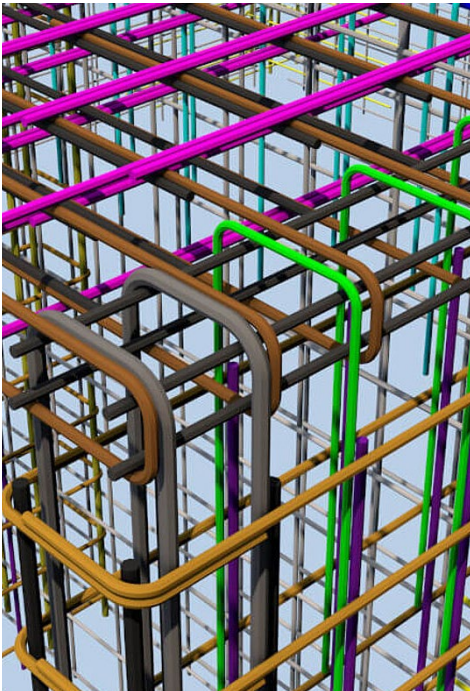
The full model and drawing set is reviewed according to two levels of internal QA/QC. Each drawing goes through: geometry and annotation validation, section alignment, dimension checks, rebar specification comparison, and consistency between plan and sections. A final PDF review ensures the drawing is clean, clearly readable, and fully ready for site execution.

• 06 Delivery and feedback

Final files are delivered in the agreed format. We remain available for quick revisions or comments, and every project is used as an opportunity to refine and improve our process further.

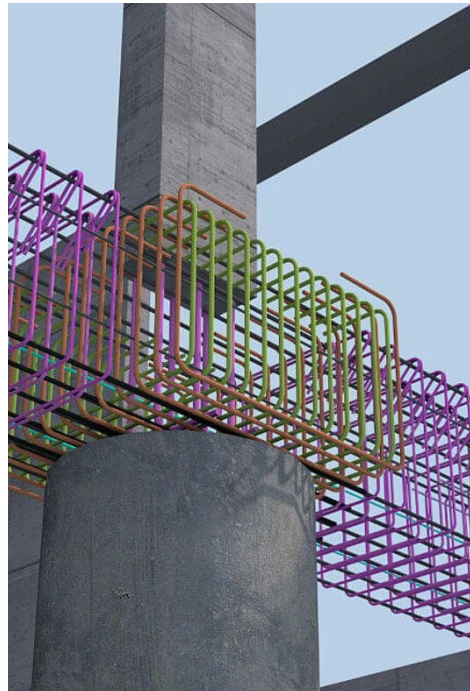
Media and publications

NS Drafter has been featured as an industry voice in 3D modeling and BIM, contributing articles and interviews to leading construction and software platforms:



[Efficient Rebar Detailing in Practice - Allplan Blog, August 2023](#)

Guest article by Aleksandra Glendža, Co-Founder and ALLPLAN Project Manager at NS Drafter, on the company's reinforcement drawing process and quality standards.



[Making Residential Design Easy - Allplan Blog, July 2022](#)

Case study by Mladen Morača, drafter at NS Drafter, on reinforcement design for a five-story residential building in Germany.



[The Importance of Soft Skills for Project Delivery - Allplan Blog, June 2023](#)

Allplan interview with Aleksandra Glendža on the role of soft skills in successful project delivery at NS Drafter.



[NS Drafter: Autodesk Construction Cloud](#)

Connecting Data, Workflows, and Teams Throughout the Entire Building Lifecycle - Autodesk Success Story



NS Drafter at events

From conferences to industry events, we connect with industry professionals, exchange ideas, and stay engaged with the latest developments in our field.



Tesla Gigafactory

Location:

Berlin, Germany

Service:

Reinforcement and formwork plans

Scope:

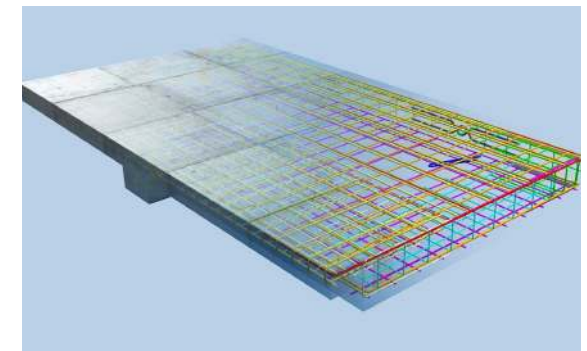
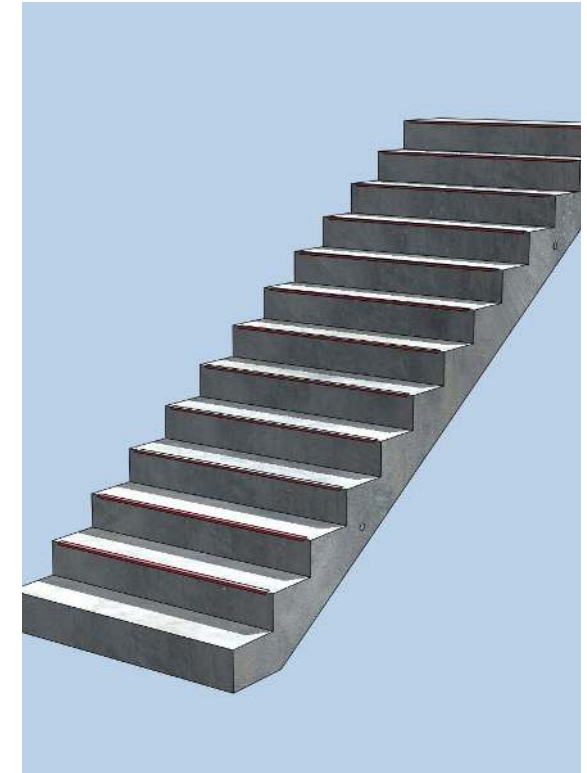
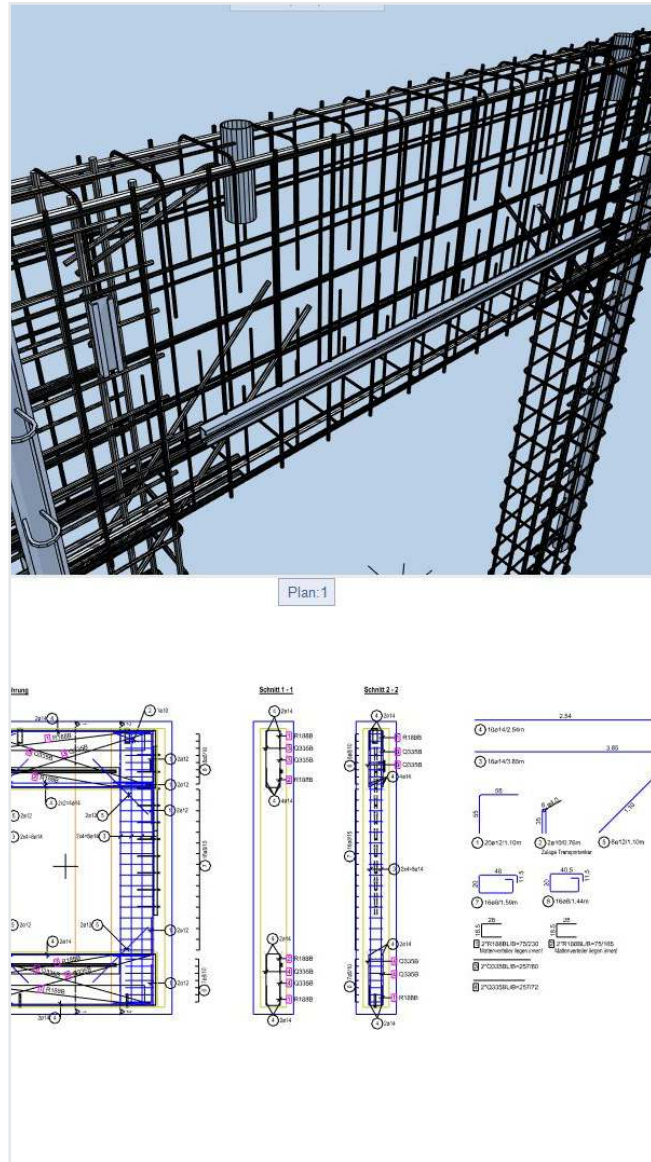
Reinforcement plans and formwork for prefabricated concrete elements such as stairs, slabs and walls.

Description:

One of the largest projects in Germany. Our company worked as subcontractor. The factory was planned to produce batteries, battery packs and powertrains for use in Tesla vehicles, and also assemble the Tesla Model Y.

The project required precise reinforcement planning and formwork coordination to support one of the most expansive industrial construction efforts in Europe.

Our contribution enabled efficient prefabrication, reduced on-site assembly time, and ensured consistent quality across hundreds of repetitive structural elements.





West Gate Tunnel Project

Location:

Melbourne, Australia

Service:

3D rebar and formwork modeling, shop drawings
(BIM detailing services)

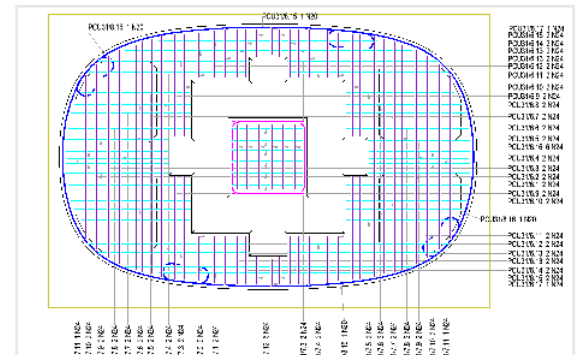
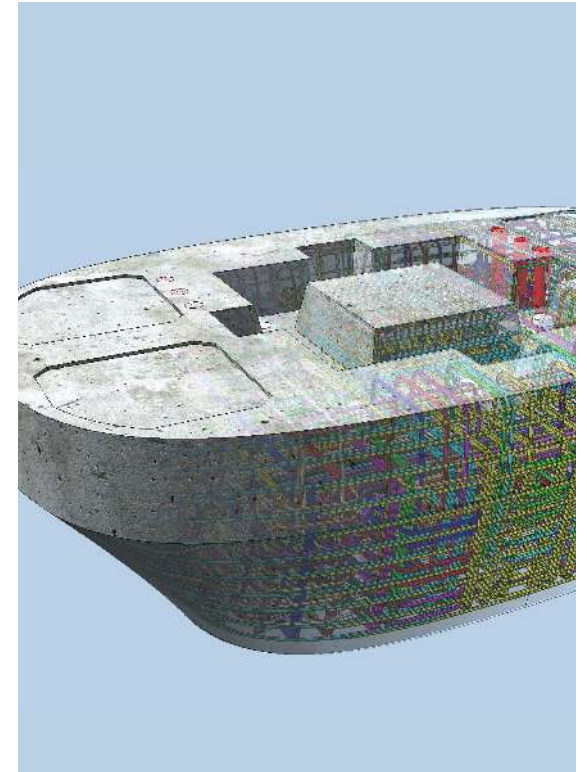
Scope:

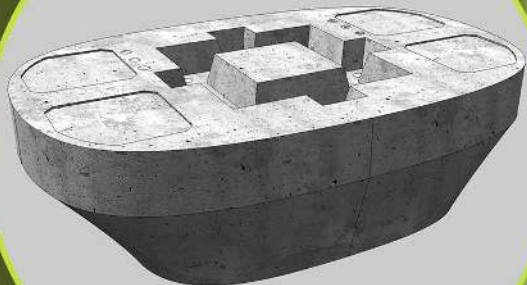
Upper and lower pier capitals, prefabricated columns, and detailed reinforcement plans and models.

Description:

Modeling for one of Australia's largest infrastructure upgrades, covering pier capitals, prefabricated columns, and complex reinforcement assemblies. Detailed BIM models and shop drawings supported accurate fabrication and coordination.

Our work enabled efficient prefabrication, reduced on-site assembly time, and maintained quality across hundreds of repetitive structural elements. The tunnel link provides a major second river crossing under Melbourne's inner west, improving freight access and reducing truck traffic.





Amazon Logistikzentrum

Location:

Leipzig, Germany

Service:

Rebar and formwork modeling (BIM detailing services)

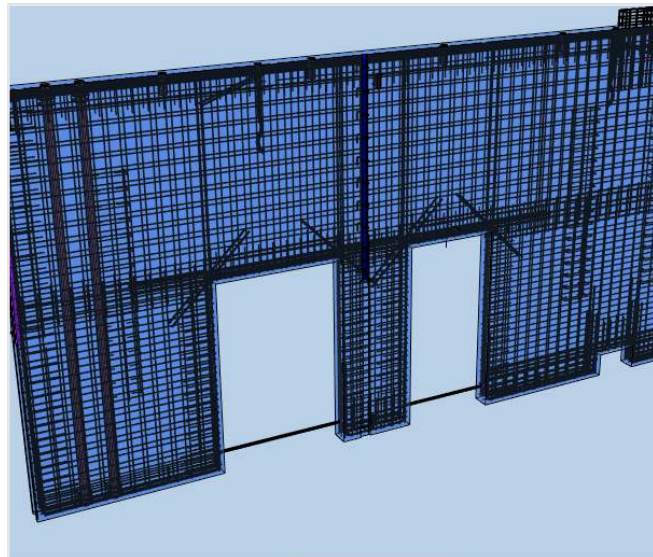
Scope:

Prefabricated reinforced concrete structure including sandwich walls, slabs, beams, and foundations.

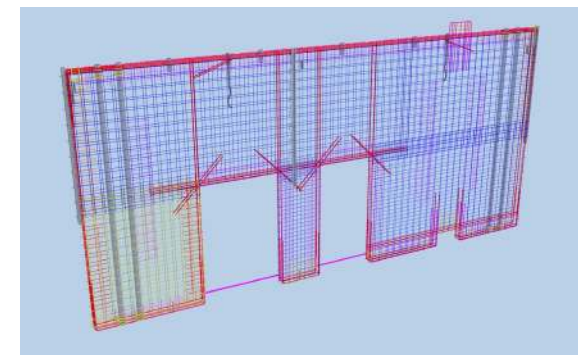
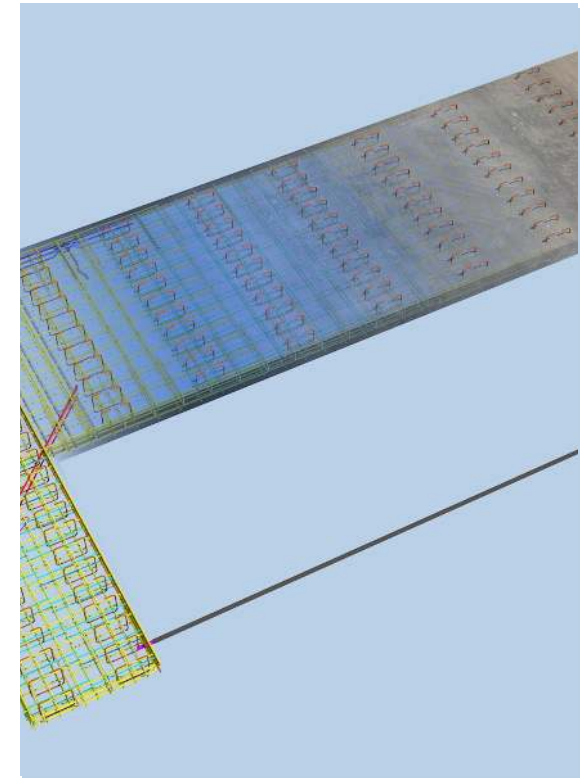
Description:

The logistics warehouse, situated on a 10-hectare site just 5 km from Leipzig city center, features a large prefabricated reinforced concrete structure divided into three sections by firewalls.

The middle section alone includes 23 delivery gates on each side, supported by 360 columns, 228 roof trusses, and 900 purlins.



Front, South Elevation.2





Railway Infrastructure in DACH region

Location:

DACH Region (Germany, Austria, Switzerland)

Service:

Formwork and reinforcement 3D modeling, BIM coordination, and documentation

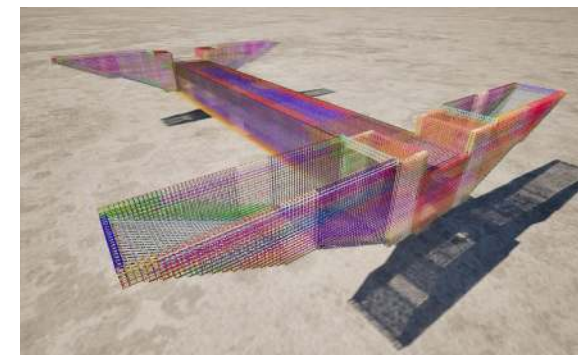
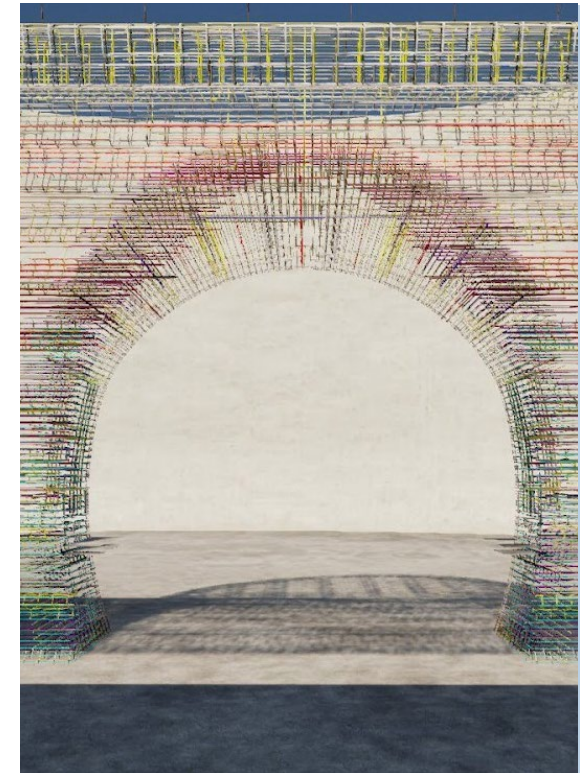
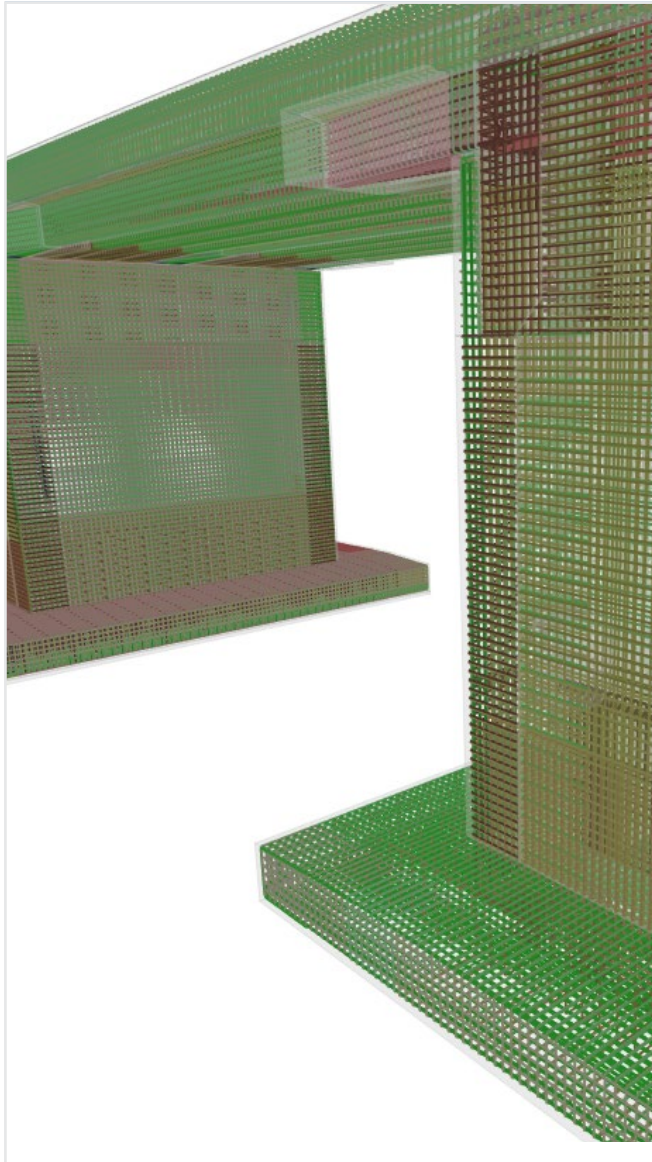
Scope:

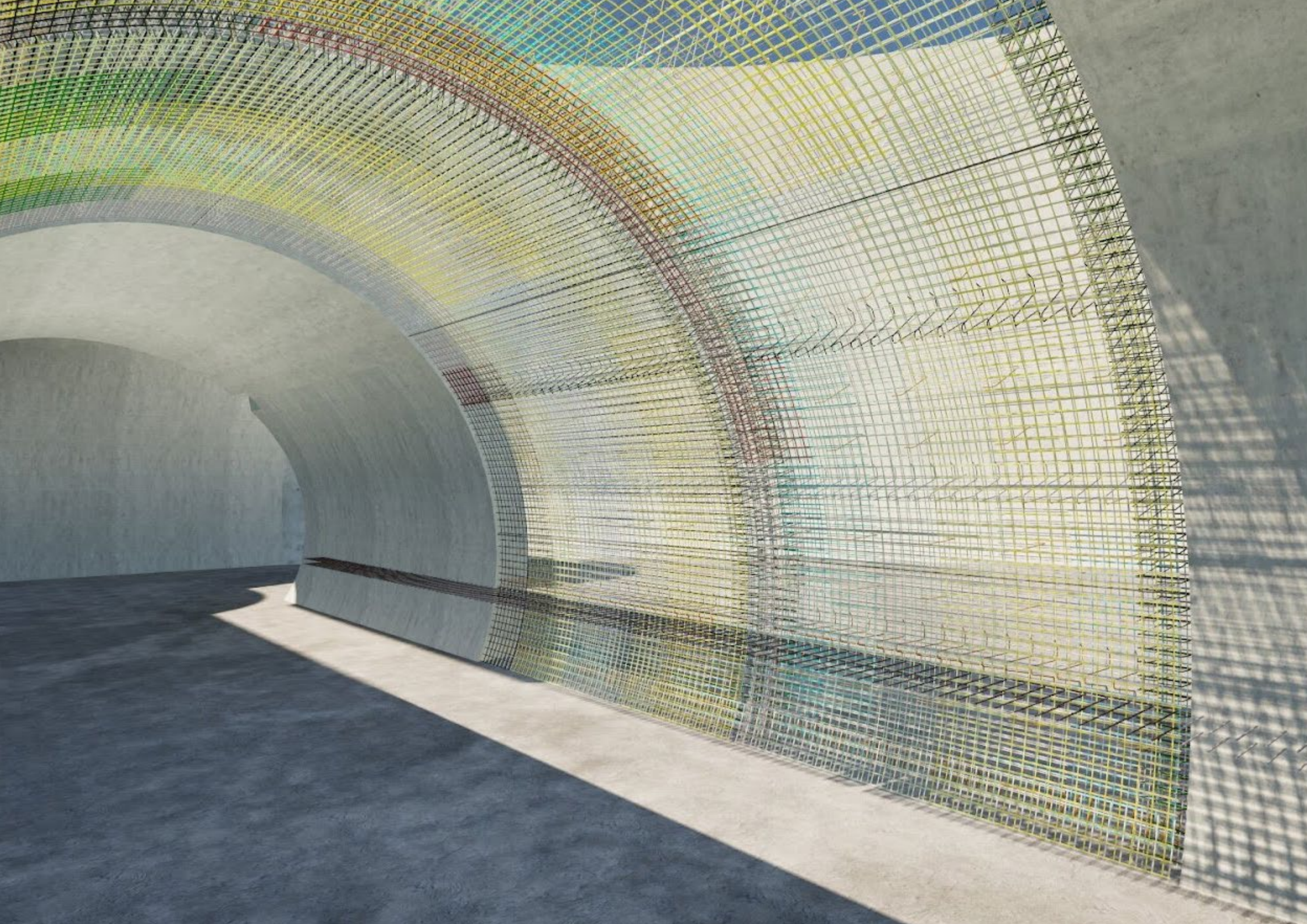
Detailed formwork modeling in Revit and reinforcement modeling in Allplan, including coordinated IFC models and PDF drawings for design, fabrication, and on-site execution.

Description:

For major infrastructure projects in the DACH region, our team was responsible for both formwork and reinforcement modeling.

The workflow combined the strengths of two leading BIM platforms, Revit for detailed formwork modeling and Allplan for accurate 3D reinforcement modeling.





Water Reclamation Facility in USA

Location:

United States

Service:

3D reinforcement modeling, and shop drawing preparation

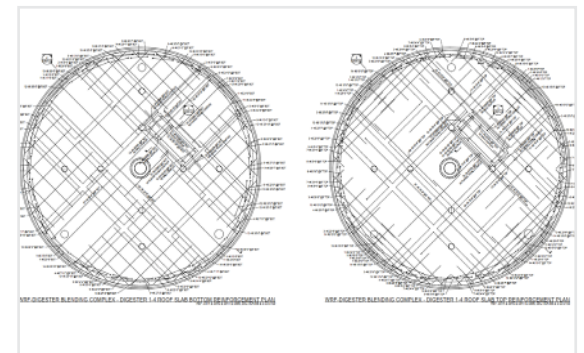
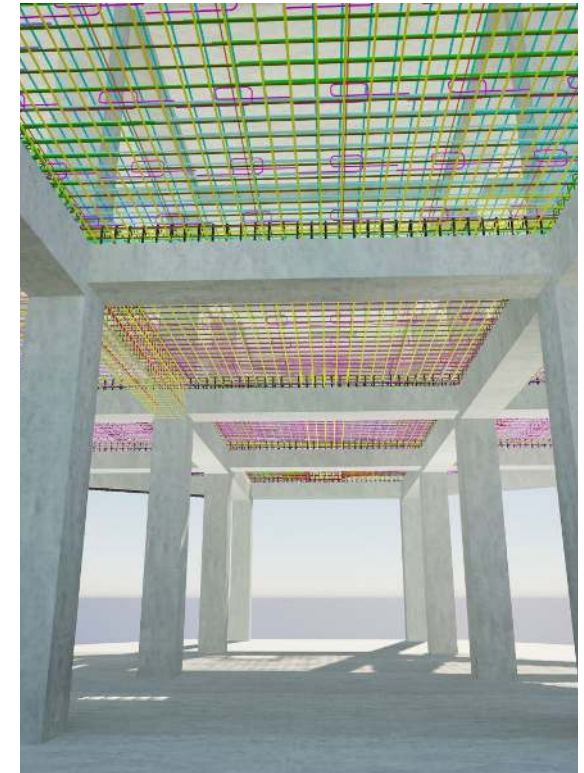
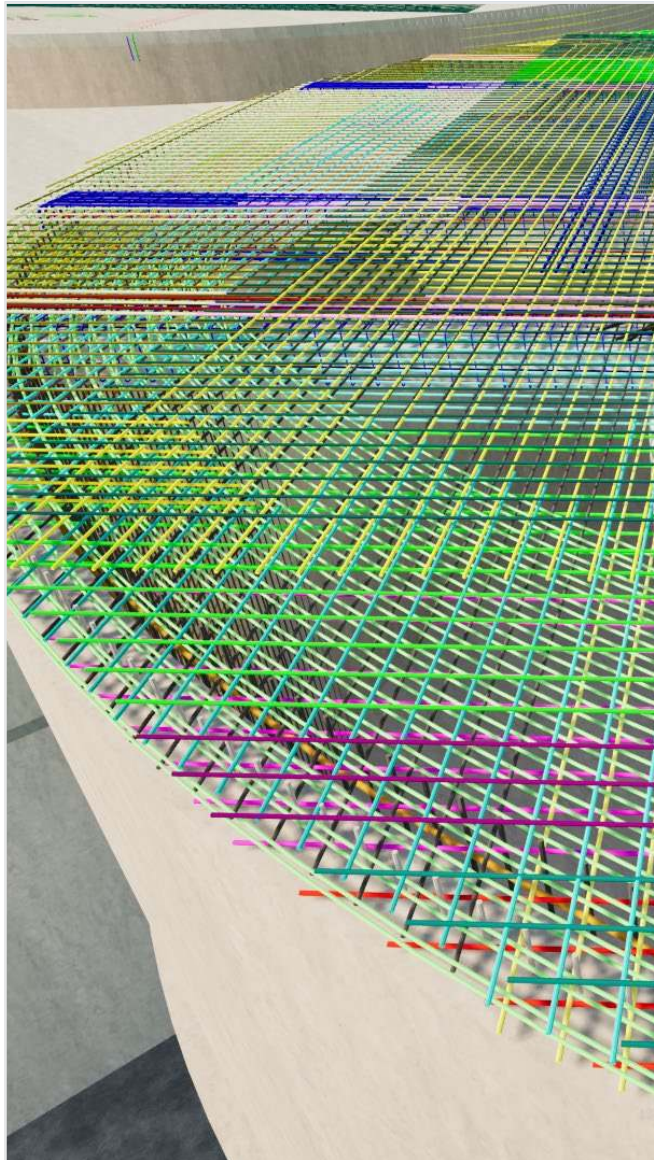
Scope:

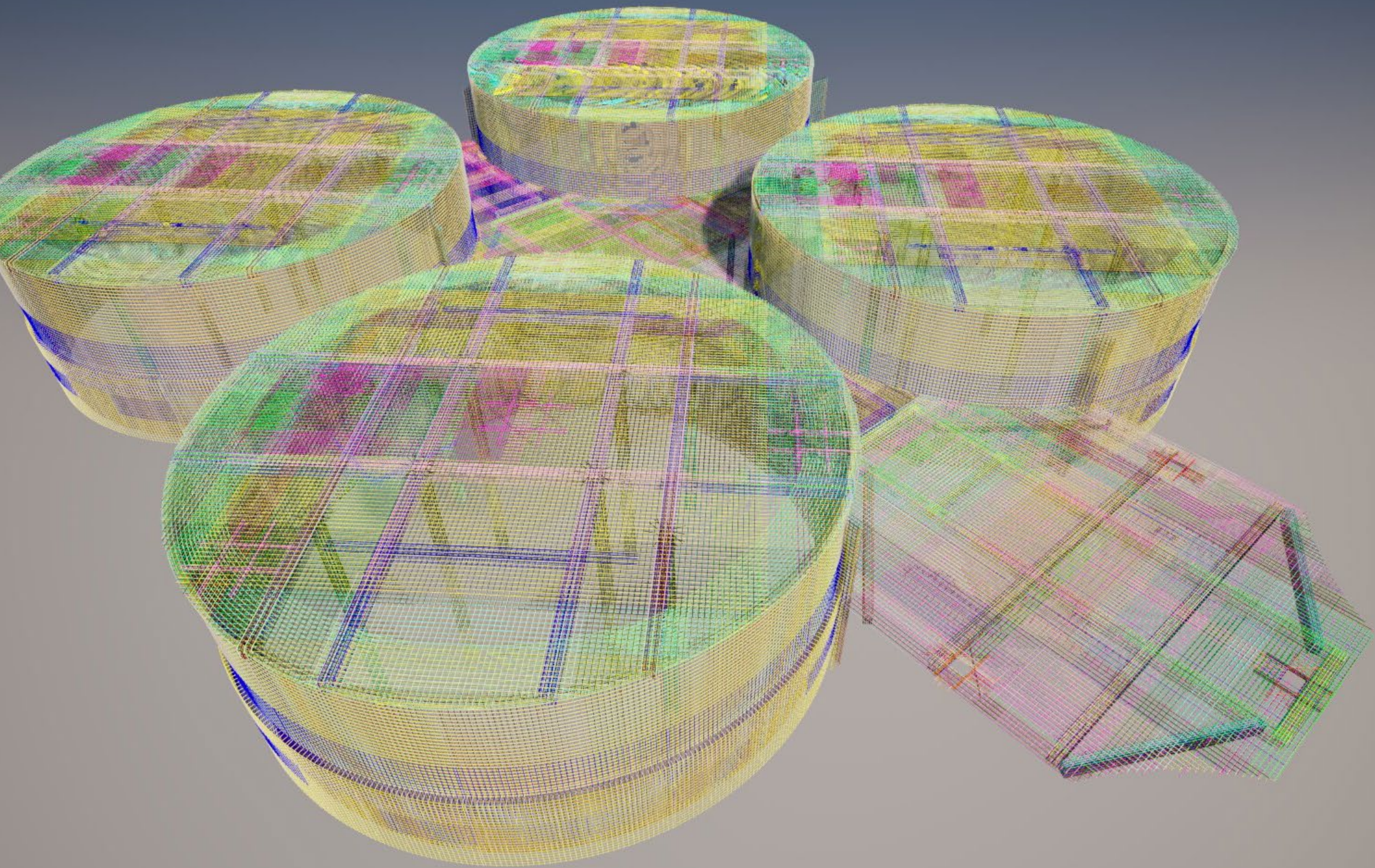
Base slabs, structural walls, decks and beams, digester lids, and upper walls requiring precise reinforcement design and coordination.

Description:

Our team provided full rebar detailing and 3D reinforcement modelling for a large water reclamation treatment plant, including base slabs, structural walls, decks, beams, and digester lids.

The coordinated BIM model enabled precise reinforcement placement and supported production of comprehensive shop drawings for construction. Close coordination with site teams and iterative updates of the model ensured alignment with field realities and reduced rework.





Transmission line foundations

Location:

Netherlands

Service:

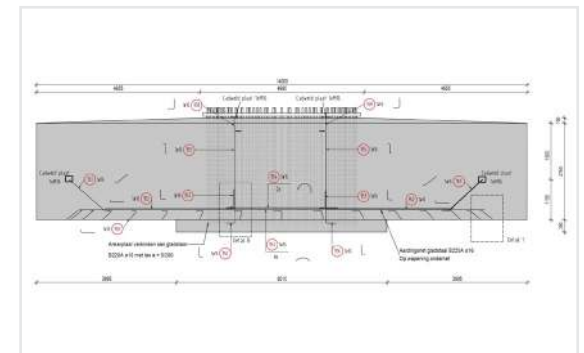
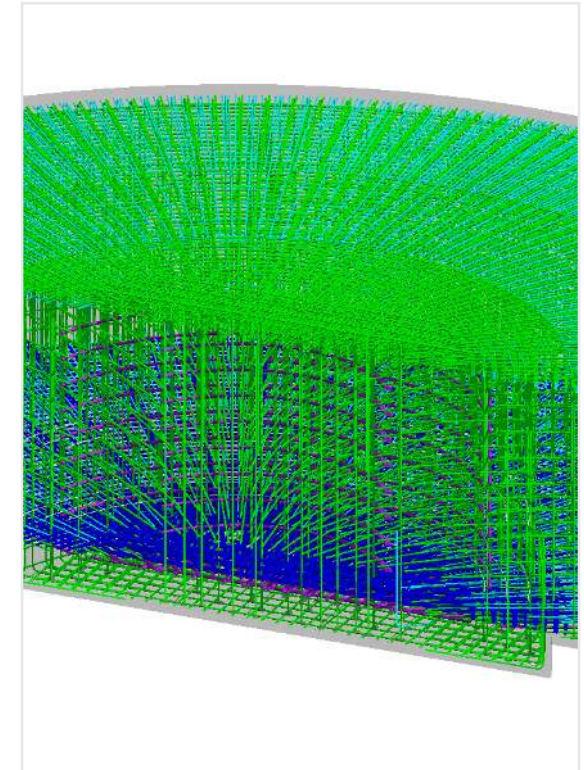
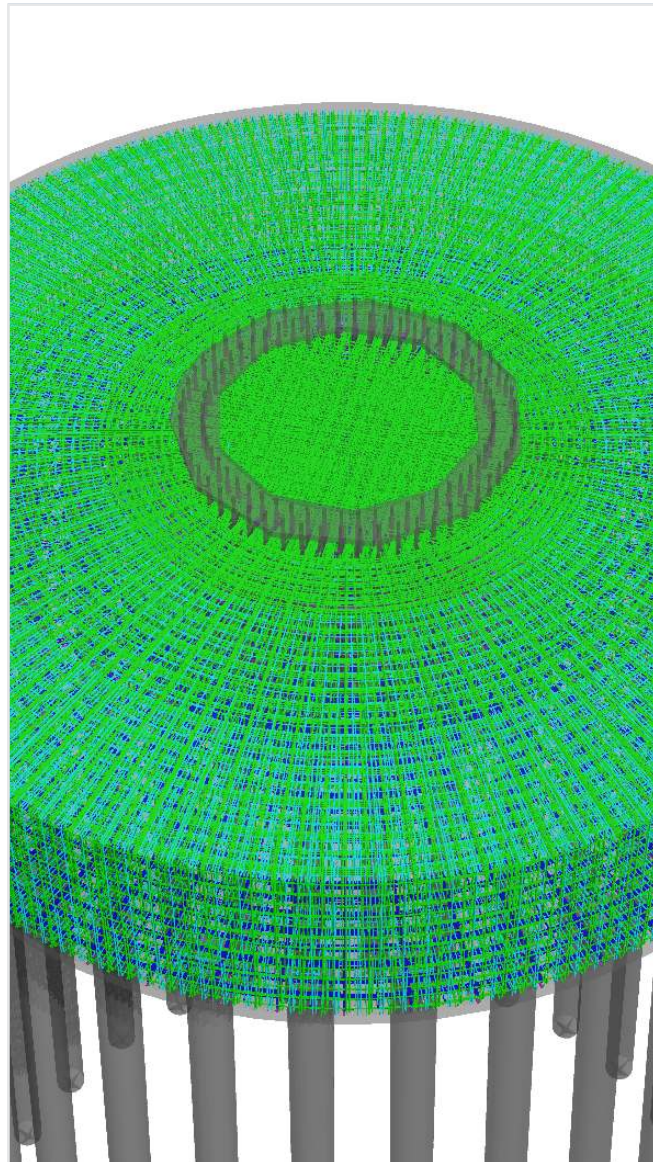
3D reinforcement design

Scope:

Reinforcement drawings for transmission line foundations, including large-diameter foundations (mostly 15 meters in diameter) and foundation piles, developed from the client's 3D model of formwork and rebar.

Description:

NS Drafter produced reinforcement drawings for a transmission line project in the Netherlands, starting from a 3D model of formwork and reinforcement provided by the client as an input file. Throughout the work, the model was reviewed and checked, with comments provided along the way, and updated whenever changes were required by the client. The result is a coordinated, accurate set of drawings supporting construction.





Residential Complex, Hamburg

Location:

Hamburg, Germany

Service:

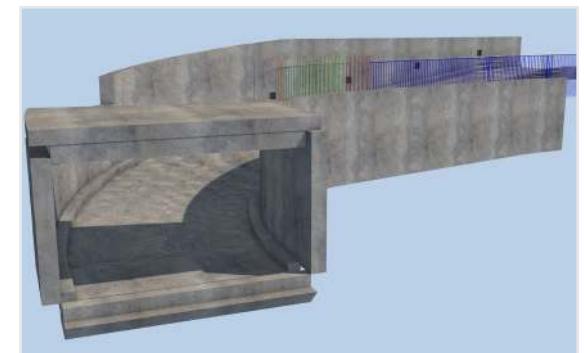
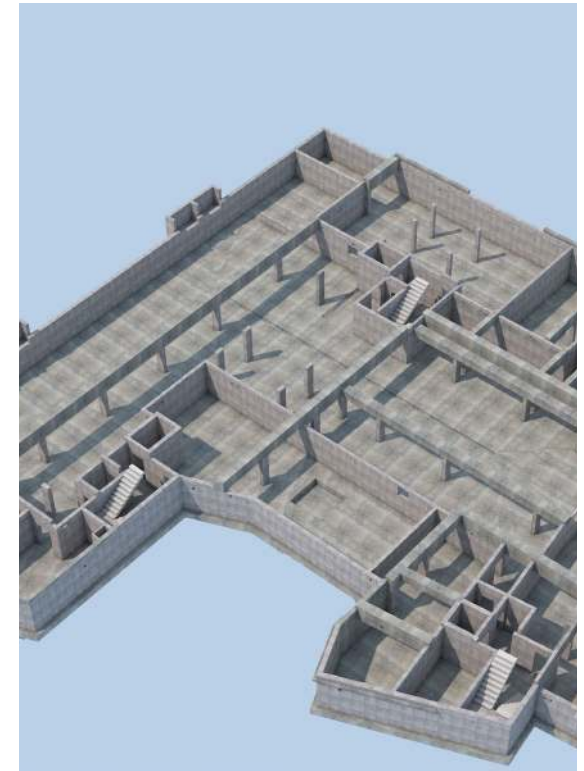
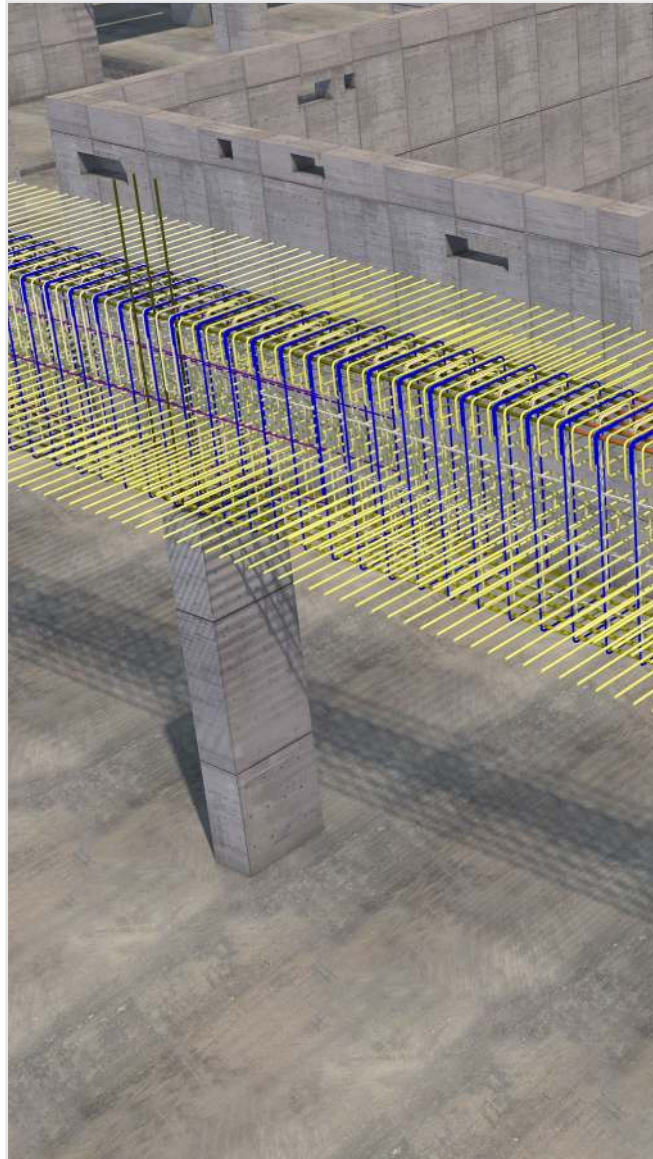
3D reinforcement design using Allplan

Scope:

Complete reinforcement detailing of all monolithic RC elements for a residential complex of 65 units across two buildings above a shared underground parking garage, Germany.

Description:

NS Drafter detailed all cast-in-place reinforced concrete elements for a 8,500 m² residential complex, one underground level plus a ground floor and four to five upper stories, including elevator shaft walls, beams above the underground garage, and precast garage ventilation openings, working from a hybrid structural system combining our monolithic scope with semi-prefabricated walls, semi-prefabricated slabs, and prefabricated terrace elements. resolution before site impact.





Gate 17

Location:

Graz, Austria

Service:

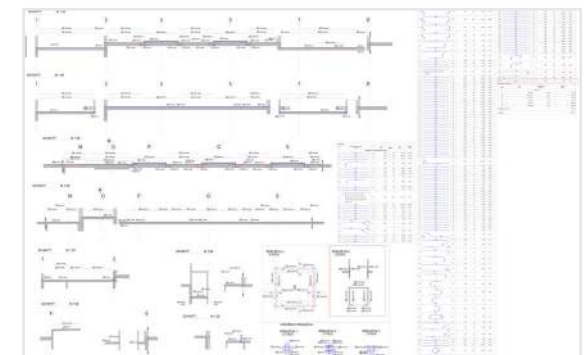
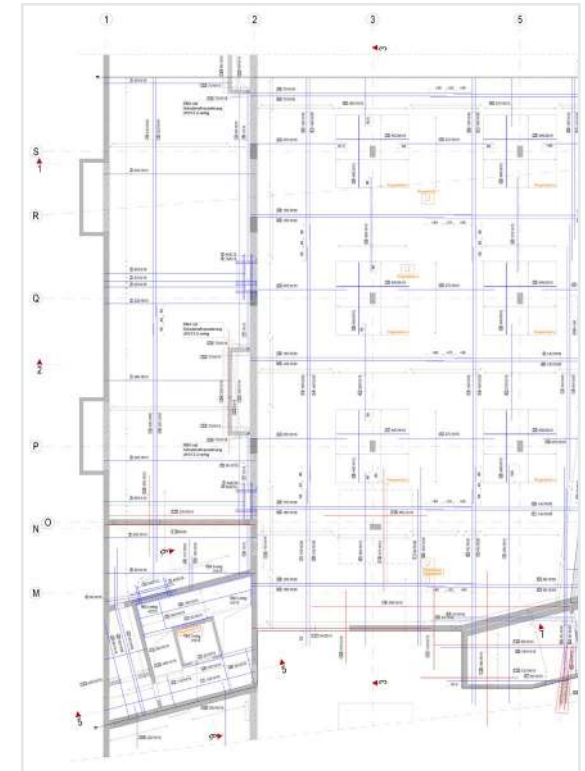
3D reinforcement design using ArmCad

Scope:

Complete reinforcement and formwork documentation for Gate 17, a residential-commercial development with 510 residential units, 405 underground parking spaces, and commercial areas, Austria.

Description:

Our team delivered complete reinforcement and formwork documentation for a large-scale development with approximately 46,500 m² of gross floor area, covering reinforcement detailing for slabs, walls, columns, and beams, formwork drawings defining concrete geometry and elevation levels. All documentation required precise interpretation of structural documentation and full compliance with Eurocode 2 (EN 1992) and the Austrian National Annex (ÖNORM B 4700 / B 1992).





DWK Die Welle Köln, Germany

Location:

Köln, Germany

Service:

Reinforcement detailing and 3D BIM modeling using Allplan

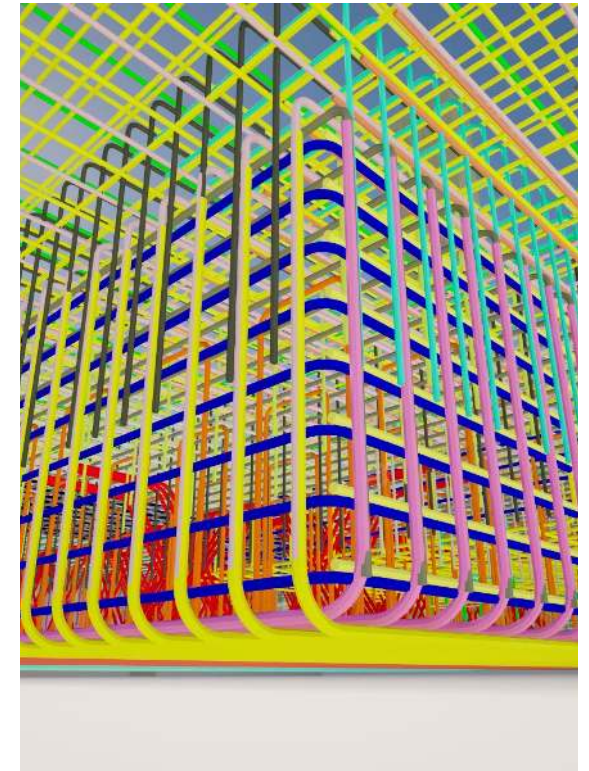
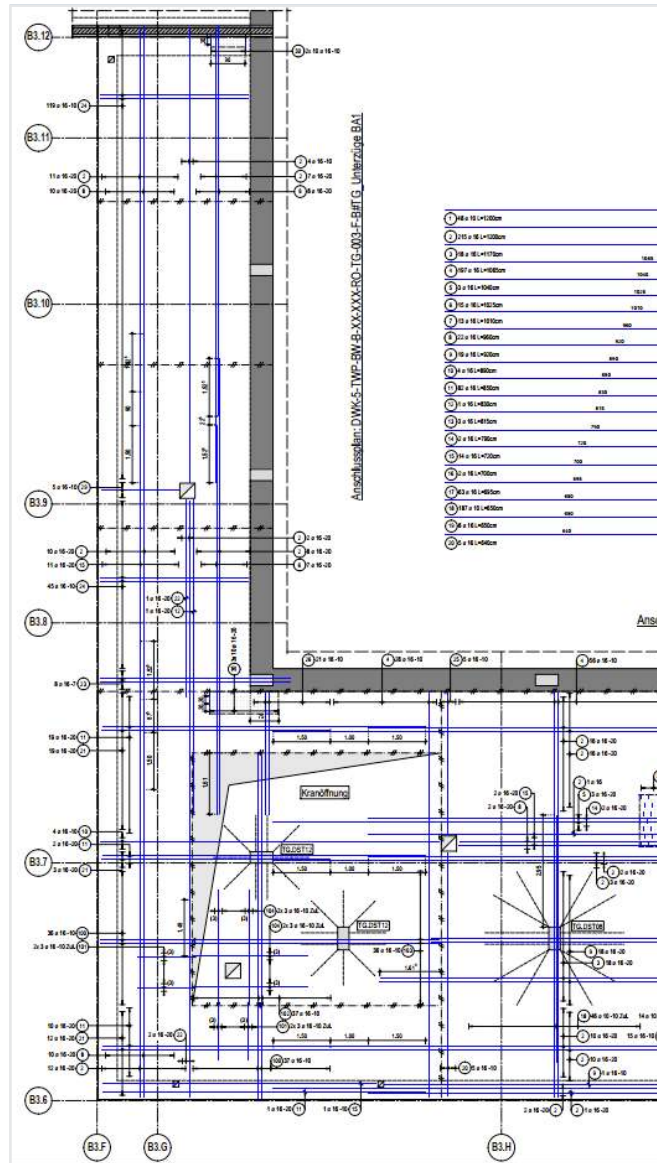
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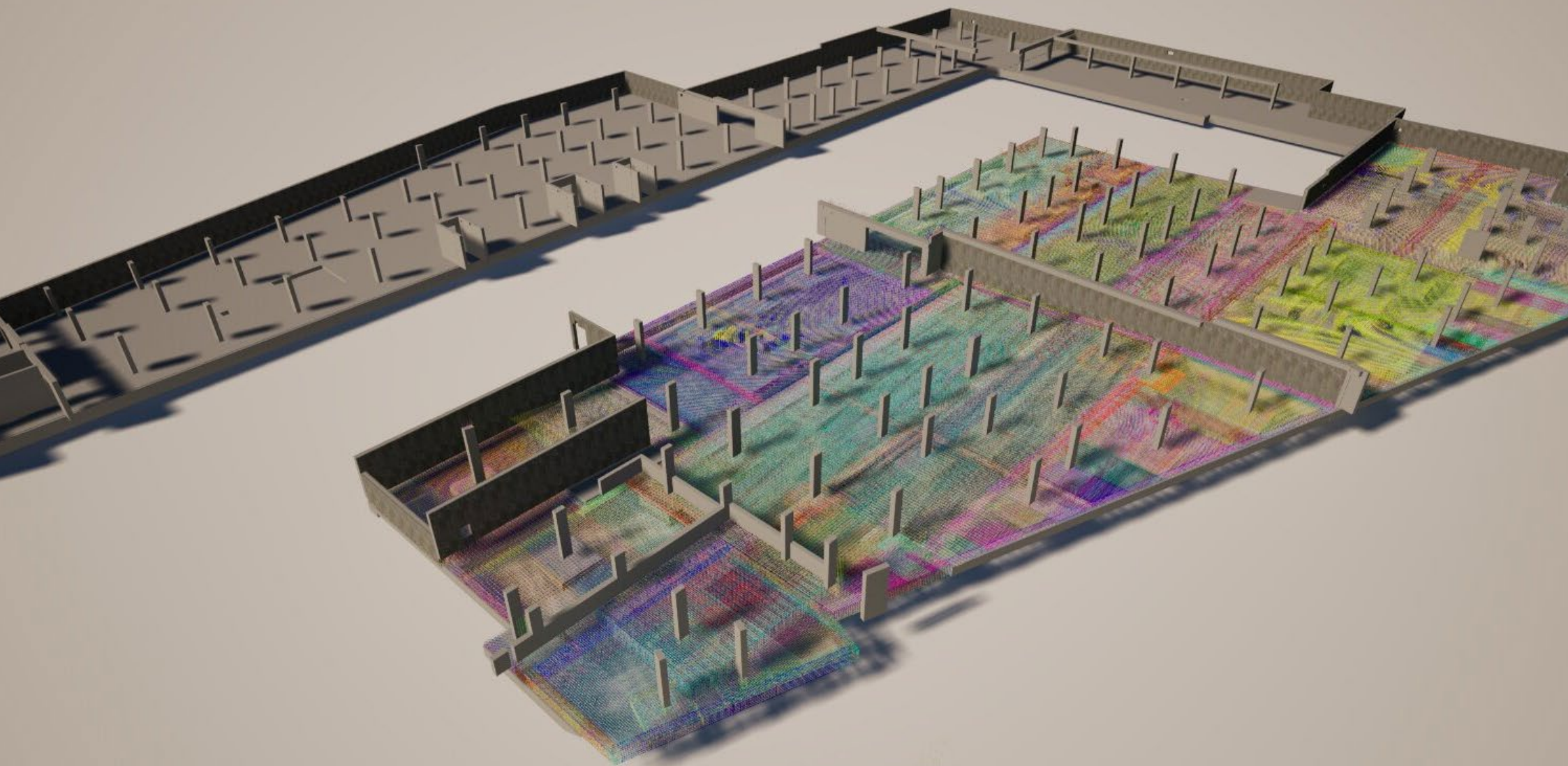
Complete reinforcement detailing for the underground garage structure.

Description:

NS Drafter delivered reinforcement detailing and 3D BIM modeling for the underground garage structure forming the base of part of the Die Welle residential complex. The complex geometry includes two structural zones, elevation changes, and a long ramp connecting two levels.

Using Allplan, we developed a detailed reinforcement model for concrete columns, walls, and precast perimeter elements on a 6 × 6 meter grid. Paired columns were detailed in concentrated load areas, resulting in a constructible model supporting the structures above.





Ikea Warehouse Expansion

Location:

Belgrade, Serbia

Service:

Steel detailing and 3D BIM modeling using Tekla

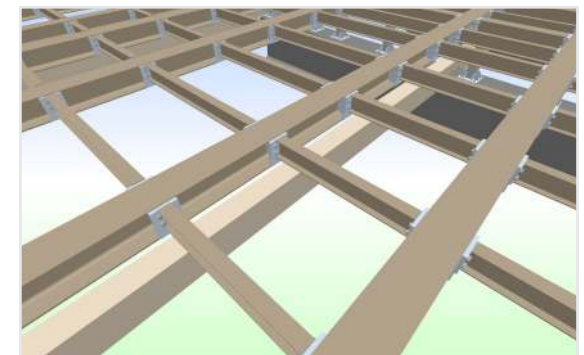
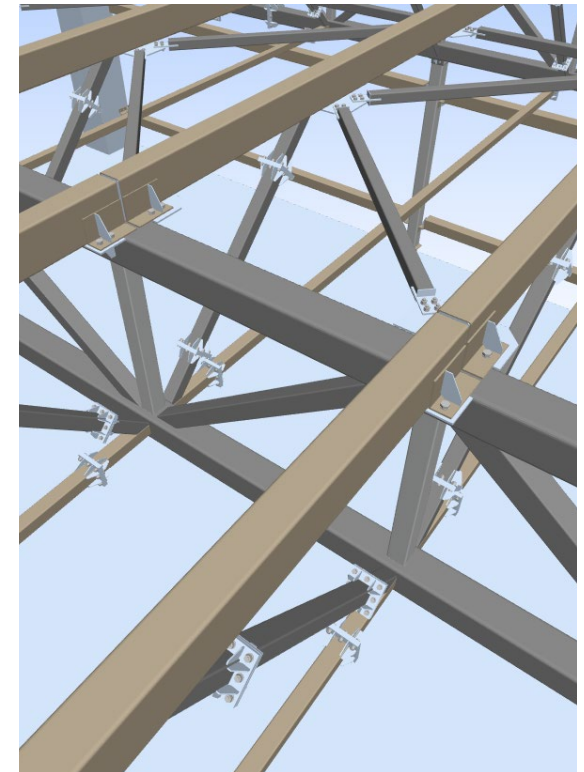
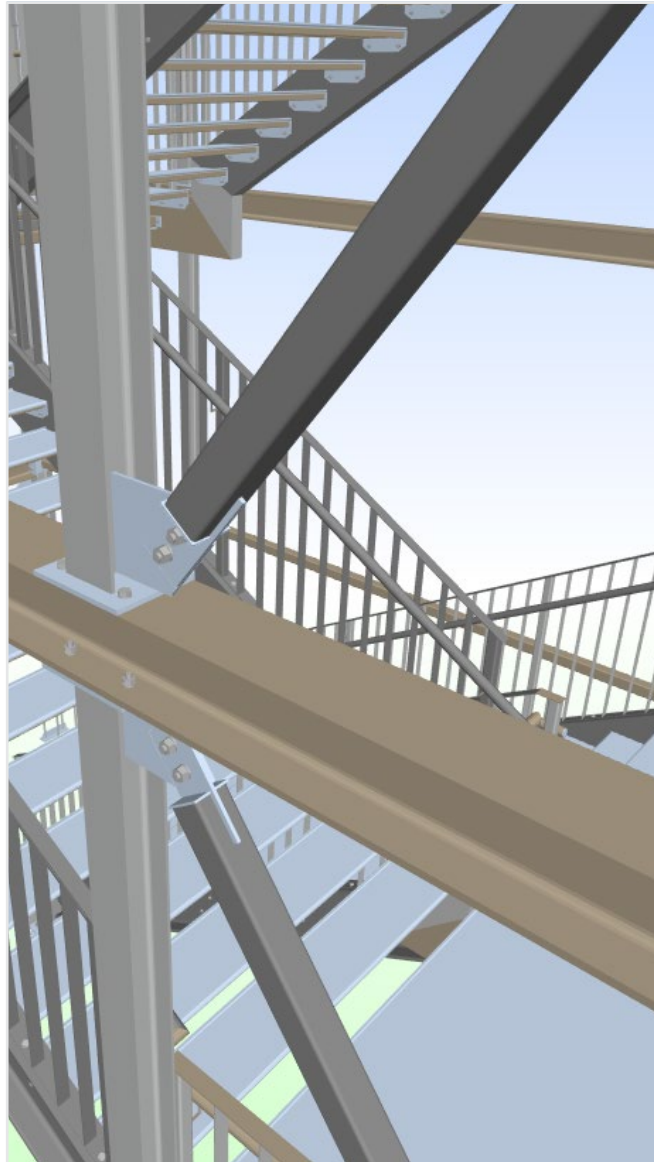
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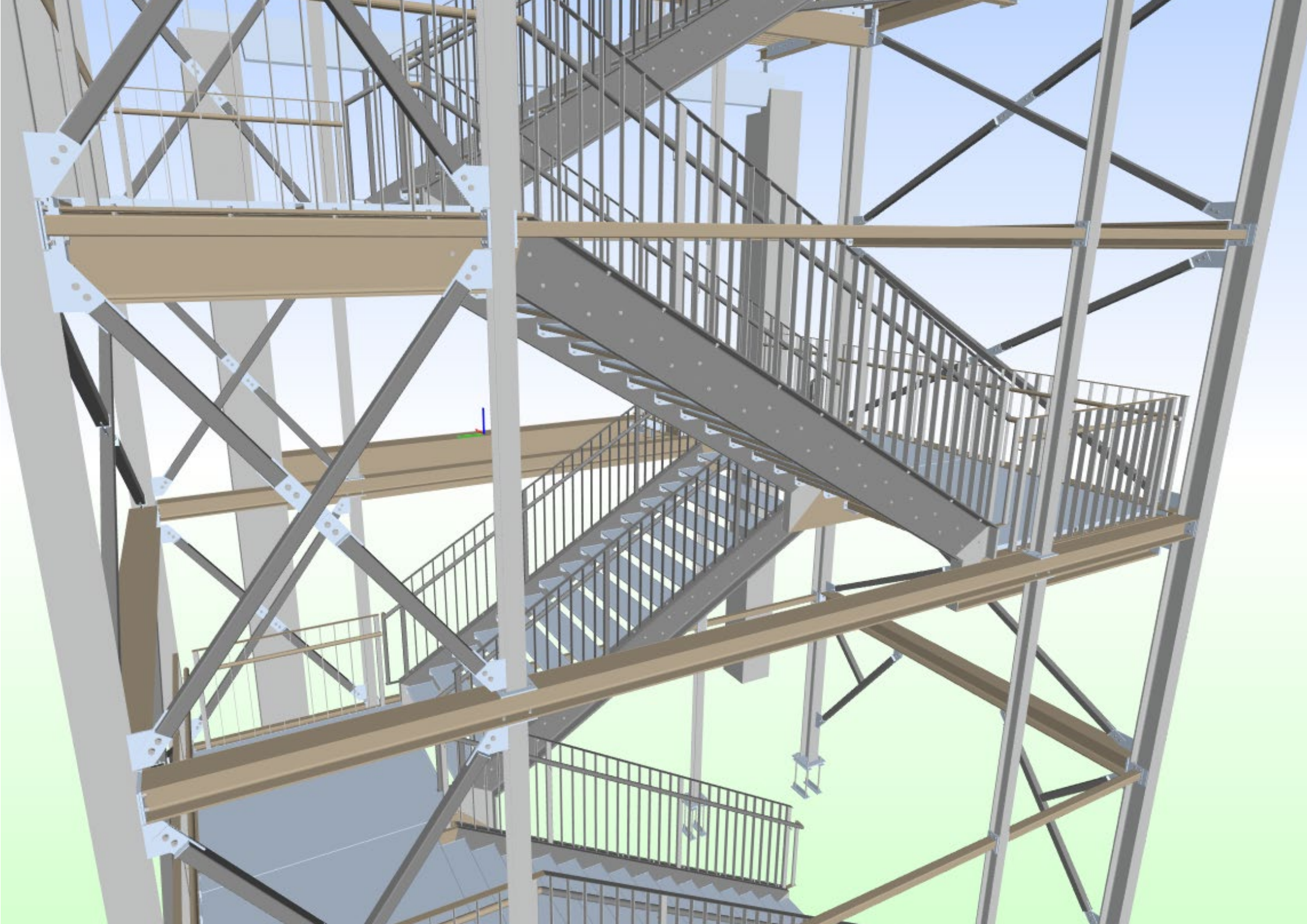
Steel design and modeling for a big shop and retail chain.

Description:

For the expansion of the existing building, two additional annexes were required, combining a reinforced concrete main structure with a steel secondary structure, fully modeled in Tekla Structures for the execution phase.

The steel scope included an 11 m-high evacuation staircase, a 225 m² office extension with steel roof and columns, supports for rooftop mechanical installations, air-handling unit and chiller frames, and a façade substructure for panels, doors, and windows.





MTU Maintenance Manufactory

Location:

Nova Pazova, Serbia

Service:

3D BIM modeling for architectural and structural disciplines, internal BIM360 quality control implementation.

Scope:

Creation of a detailed 3D model covering architectural and structural elements of a 30,000 sqm industrial facility. Implementation of Autodesk BIM360 (Autodesk Construction Cloud) for internal quality control using the Issue Management system.

Description:

The MTU Logistic Building project in Nova Pazova, Serbia, includes approximately 20,000 square meters of operating space and 10,000 square meters of administrative facilities.





Residential Complex in Poland

Location:

Poland

Service:

3D BIM modeling for Architecture, Structure, and MEP disciplines

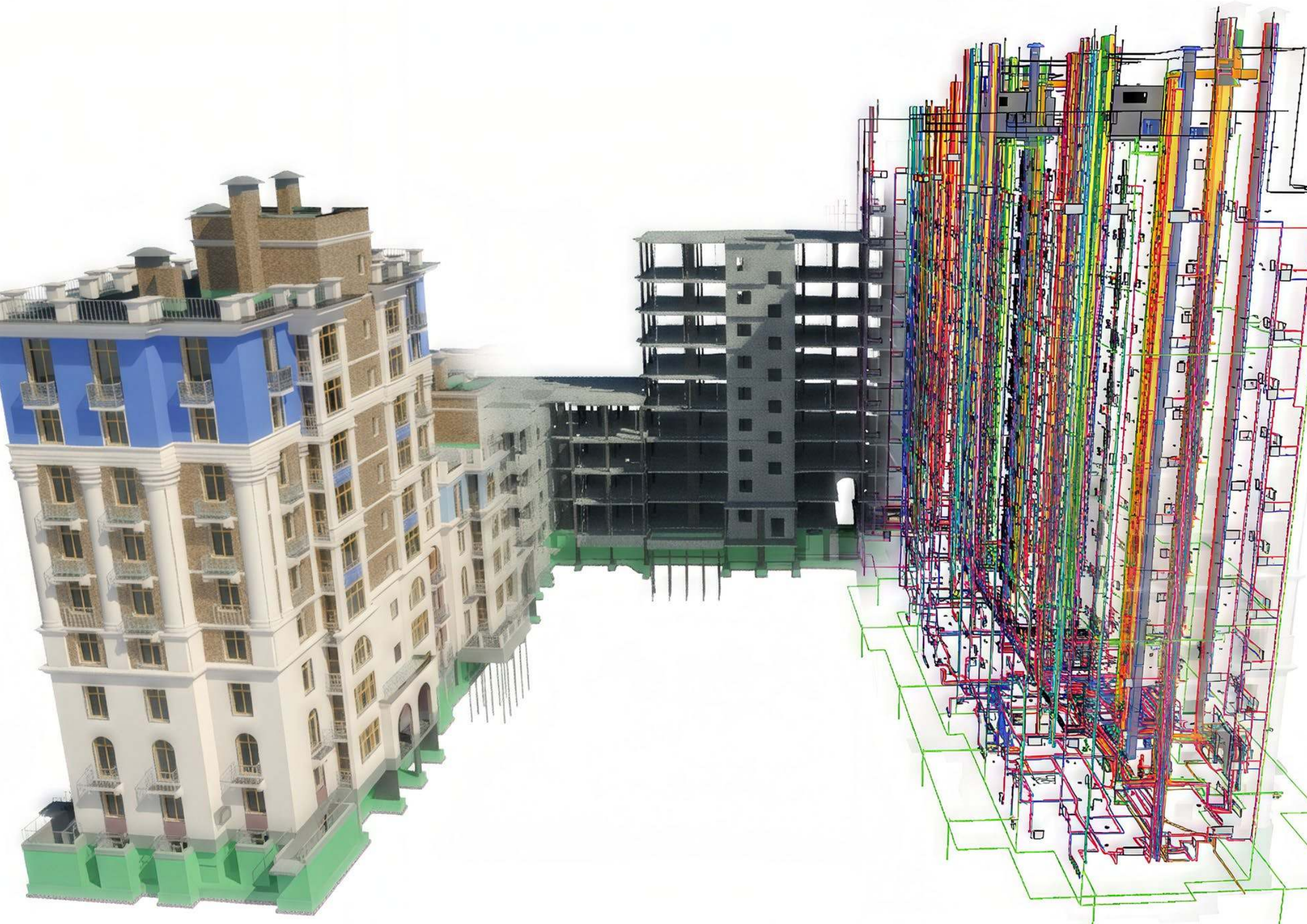
Scope:

Development of a detailed 3D BIM model (LOD 300/350) based on incomplete AutoCAD and PDF documentation, including approximately 300,000 BIM elements.

Description:

This residential complex covers an area of approximately 70,000 square meters. NS Drafter was commissioned to create a comprehensive 3D BIM model covering architectural, structural, and MEP elements.





Port of Rotterdam

Location:

Rotterdam, The Netherlands

Service:

3D BIM modeling using Revit

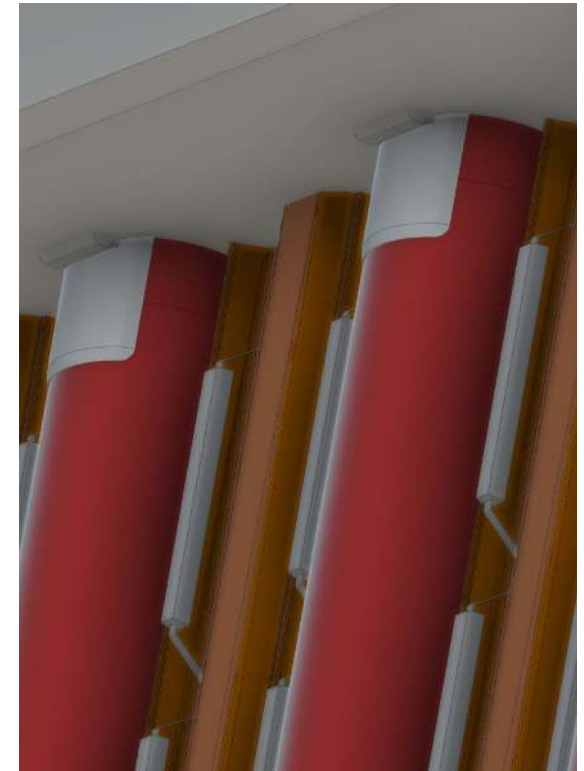
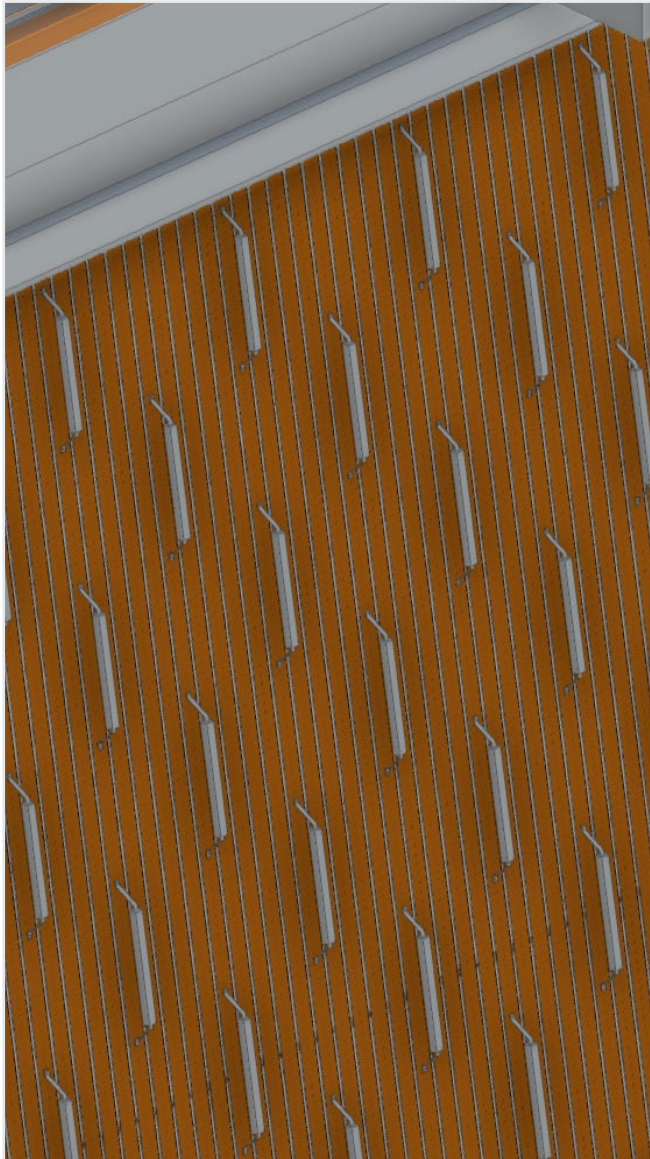
Scope:

Architectural 3D BIM modeling for port in city of Rotterdam.

Description:

Our team developed 3D models of multiple retaining walls. Each wall was modeled in its own Revit file with an approved template, exact Project Base Point, and Dutch RD coordinates, after placing a DWG site base that spans the entire port, allowing straightforward federation into one master project.

We adhered to strict naming and parameter requirements from an Excel register, creating or adapting Revit families as needed.





Medicinal Equipment Factory

Location:

Jagodina, Serbia

Service:

3D BIM modeling using Revit

Scope:

Architectural and MEP 3D BIM modeling for medicine factory in Jagodina, Serbia.

Description:

Our team modeled and coordinated cleanroom MEP systems and a portion of the production area for a pharmaceutical glass-ampoule factory.

3D modeling and in-building system layout progressed in parallel with construction, with regular on-site coordination via the client sharing photos and clarifications. The model was continually updated to reflect field conditions, enabling clash detection and early issue resolution before site impact.





Software packages



Autodesk AEC Package consists of all Autodesk softwares which are used in Civil Engineering and Architecture. Our office mostly uses AutoCAD for 2D drafting, Revit for 3D modeling and Advance Steel for steel detailing.



Allplan AEC Package consists of all version of Allplan which can be used in Civil Engineering and Architecture. Our office uses Allplan mostly for creating 3D models and formwork and reinforcement plans.



Like Allplan, **FRILO** software comes from Nemetschek company and it is used for more specific structural analysis and reports. It is compatible with Allplan software.



RFEM is our main structural analysis tool.



Our office currently uses **Tekla** for steel modeling and detailing. Recently we acquired knowledge in concrete reinforcement detailing and modeling.



DiCAD Strakon is used for 3D modeling and detailing of precast concrete elements.

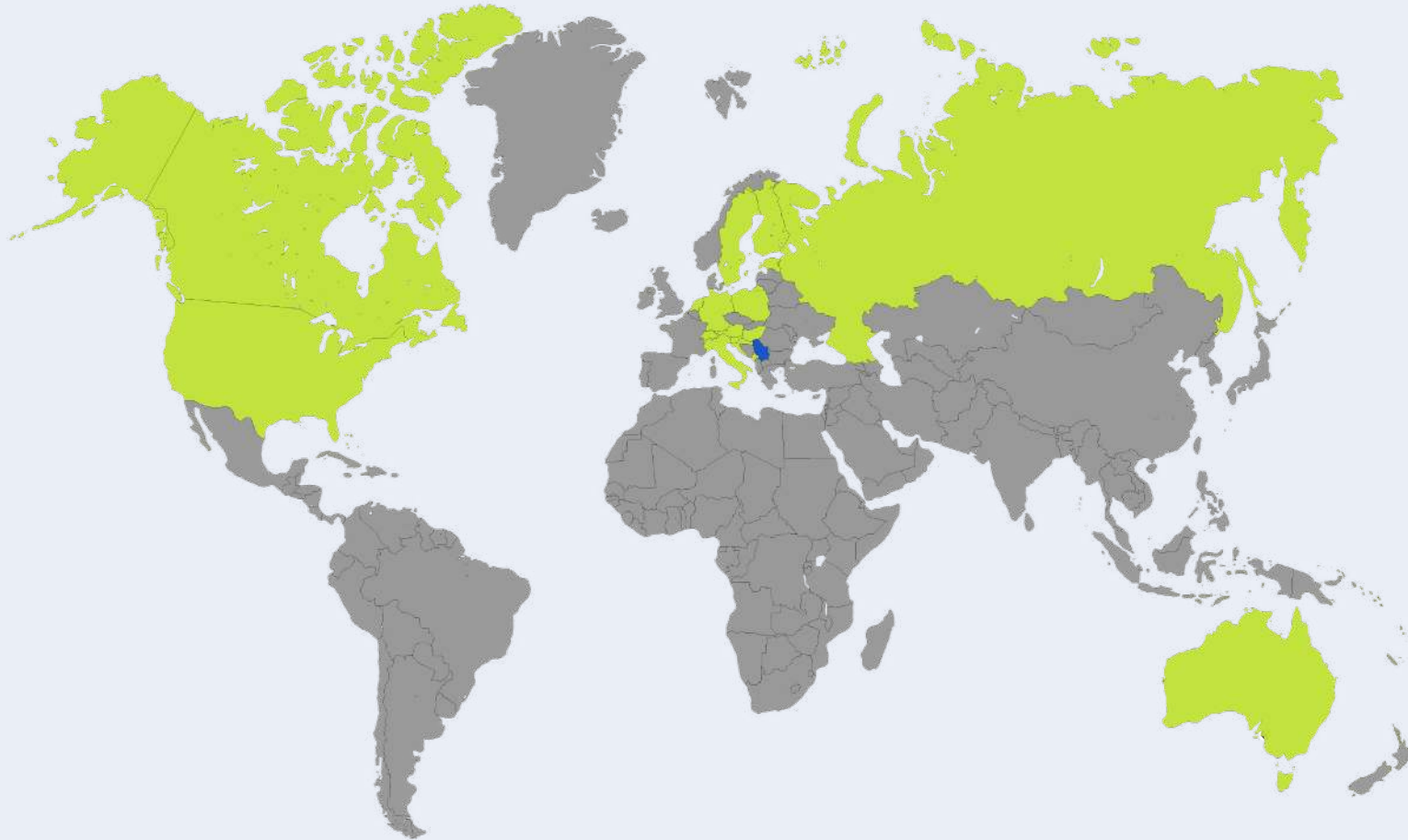


ArmCAD is an AutoCAD plug-in which is good for 2D detailing of concrete reinforcement.



Bluebeam is an advanced PDF editor which we use for concrete reinforcement detailing and rebar order sheets in some cases.

Countries in which we made our presence:





You're always welcome to visit our office.

📍 Europe: Narodnog fronta 23, Novi Sad, Serbia



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