

Daniel Diez Ausias

Senior Architect · BIM Specialist

Spain 1980 - EU working permit

Rotterdam, Netherlands

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PROFILE

Senior Architect and BIM Specialist with over 15 years of experience leading multidisciplinary coordination on complex, large-scale projects across Europe, Asia and the Middle East. Expert in BIM technology and innovative facade systems, with a consistent track record of driving design excellence, streamlining interdisciplinary workflows, and delivering projects on time and within budget.

CORE COMPETENCIES

BIM Strategy & Implementation	Multidisciplinary Coordination	Facade Systems & Building Skins
Coordination and clash detection	International and diverse teams	Sustainable design practices
Construction experience	Stakeholder management	Parametric adaptive modelling
Global BIM creative thinker	Team player and mentor	Detail passionate

PROFESSIONAL CAREER

- **ETSAV. Architecture University Polytechnic of Valencia.** (2009-2010) Architect & Project Leader, Solar Decathlon Europe.
- **SPA, Salvador Perez Arroyo, Madrid-Doha.** (2010-2011) Architect & 3D visualizer
- **EHA, Ector Hoogstad Architecten, Rotterdam.** (2011-2016), Architect & BIM Modeller
- **MVRDV, Rotterdam.** (2016-2024) Associate Architect & BIM Specialist
- **UNStudio, Amsterdam.** (2024-2025) BIM Specialist
- **BIM & Beyond, Rotterdam.** (2025-2026 present) Project lead & BIM Specialist

PROFESSIONAL EXPERIENCE

BIM & Beyond (B Corp Certified)
BIM Specialist & Project Leader

Feb 2025 – Present · Rotterdam

Leading BIM coordination and project management for innovative building processes and digital construction workflows.

- Directing BIM implementation strategies and project coordination across concurrent client commissions
- Following construction site works and analysing and reviewing façade mock-ups
- Developing custom made plugins into Revit API, for internal and commercial use ([BIMBoost.com](#))
- Mentoring junior team members in BIM methodology, model discipline, and coordination best practices
- Producing and reviewing detail drawings for realization phases advising diverse architecture firms
- Managed clash detection and interdisciplinary review processes using Solibri, Navisworks, and BIMcollab
- Development of the Revit template for the office and the whole Kraaijvanger architecture group

UNStudio
Senior Architect — BIM Specialist

Feb 2024 – Oct 2024 · Amsterdam

Senior specialist role within one of the world's leading design firms, focused on BIM managing for high-profile international projects.

- Led BIM guidance-coordination across multidisciplinary teams for large-scale masterplan in Dubai
- Integration of GIS-BIM workflows defining new strategies for infrastructure integration
- Developed adaptive solutions to integrate Rhino/grasshopper workflows into BIM methodology
- Defining strategies for workflow with large scale projects and topographic integrations

MVRDV
Associate Architect — BIM & Building Skins Specialist

Apr 2016 – Feb 2024 · Rotterdam

Nearly eight years as a core senior team member at one of the most internationally acclaimed Dutch architecture firms. Progressed to Associate, leading BIM coordination and building envelope design on an extensive portfolio of award-winning projects worldwide.

- Led BIM coordination on over complex projects across Europe, Asia, and the Middle East — coordinating multiple consultant disciplines per project and guiding internal teams
- Managed the transition from Rhino 3D models to fully federated BIM workflows across the practice for complex facade and mixed-use projects
- Developed bespoke building skins using advanced parametric modelling and preparing façade panels models and catalogues for prefabrication
- Served as primary BIM and technical coordination contact for clients, contractors, and specialist subcontractors
- Developed and implemented project-specific BIM documentation such as BEP, protocols, templates, internal audits and external quality control procedures
- Lecturer at several BIM / façades international congresses

Earlier

Ector Hoogstad Architecten	Architect & BIM Modeller	2011–2016 · Rotterdam
SPA Salvador Pérez Arroyo	Architect & visualizer	2010–2011 · Madrid
ETSAV Architecture University	Architect & project lead	2009–2010 · Valencia

SELECTED PROJECTS

2024–	Masterplan / Residential (Confidential) UNStudio	Dubai, UAE · BIM Lead & Facade Coordination
2022–	IPAI Artificial Intelligence Campus, 23 ha MVRDV	Heilbronn, Germany · BIM Coordination
2023–	Fubon Guangwu Residential Tower MVRDV	Taipei, Taiwan · BIM & Envelope Specialist
2021–24	Wen Shing Residential Tower MVRDV	Taipei, Taiwan · BIM Lead, Facade Systems
2016–2022	Lyon Part Dieu (166,000 m²) MVRDV	Lyon, France · Mixed-Use Facade, BIM Lead, Coordination and prefabrication
2019–2021	Paris Olympic Aquatic Centre (15,000 m²) MVRDV	Saint-Denis, France · BIM Specialist
2017–2019	Vanke Headquarters, Mixed-Use MVRDV	Shenzhen, China · BIM & Facade Lead
2012–2016	Het Bollendak Roof Structure (3,500 m²) EHA	Utrecht, NL · Canopy, BIM Coordination
2011–2015	Stationsplein Bicycle Parking (12,500 bikes) EHA	Utrecht, NL · World's Largest Bike Facility
2011–2014	Auris Head Office (4,500 m²) EHA	Rotterdam, NL · Medical Research Facility

SOFTWARE SKILLS

Modelling

Revit	Expert
AutoCAD	Expert
Rhinoceros	Expert
SketchUp	Expert
Civil 3D	Strong

BIM Coordination

Navisworks	Expert
Forma (BIM 360 / ACC)	Expert
Solibri	Strong
BIMcollab Zoom	Expert

Other & Automation

Adobe Suite	Expert
Microsoft Office	Expert
Grasshopper	Strong
Dynamo	Strong
AI integrations / Claude + VS	Strong

EDUCATION & LANGUAGES

Master of Architecture (M.Arch)

ETSAV — Escuela Técnica Superior de Arquitectura de Valencia
Universidad Politécnica de Valencia · 2001 – 2009

Spanish	Native
Catalan	Native
English	Professional
Dutch	Professional
French	Elementary

B I M E X P E R T I S E & M E T H O D O L O G Y

A structured, process-driven approach to BIM implementation across all project phases — from early concept through to construction or prefabrication — ensuring federated models remain accurate, clash-free, and aligned with evolving design intent and linking data and geometry consistently conform the project and client requirements.

Coordination & Management

- Establishing and enforcing BIM Execution Plans (**BEP**) and protocols as BIM manager across multi-firm project teams including architects, structural, MEP, and facade engineers
- Leading interdisciplinary coordination meetings, **clash detection** sessions, and model review workshops
- Managing shared project environments on Autodesk **Forma** (before BIM 360 / ACC) and other Common Data Environments (**CDE**) including model publishing workflows, issue tracking, and model versions comparison, with clear naming conventions, folder structures, and access protocols
- Developing and maintaining federated models integrating inputs from diverse disciplines on large mixed-use and residential projects through diverse **IFC workflows** and coordination software
- Setting up office standards customizing or producing **Revit templates** optimizing and ensuring production **efficiency and quality consistency** in between Revit families and project files for large architecture firms

Building Envelopes

- Developing parametric facade and roof systems with bi-directional workflows in Revit, Dynamo and Rhinoceros, enabling accurate quantity take-offs, material specifications, and tender documentation
- Coordinating facade subcontractors and suppliers within the BIM environment, integrating envelope geometry with structural and MEP models
- Applying BIM to optimise sustainable architecture performance: daylighting studies, solar analysis, materiality and thermal or dynamic fluids simulations integrations

Process Innovation

- Developing **custom AI / Claude scripts** (before with Dynamo / Grasshopper) to automate repetitive and tedious modelling and drawing tasks, ensuring data consistency across large models
- **Training and mentoring** junior architects and modellers in BIM best practices, coordination workflows, and model discipline as part of the regular teaching program at MVRDV BIM specialists group and during all the career path in different offices
- **Evaluating and integrating new tools** and plugins into established practice workflows and firm-wide standards
- Experience with commercialization of the **Revit plugins** after development, leading pre-launch phase (beta tester period, selection of tools, platforms, marketing materials...) [BIMBoost.com](https://bimboost.com)

Stakeholder Management

- **Primary point of contact** between design teams and clients for all technical BIM and coordination matters across concept, design development, and construction phases
- Facilitating design review sessions and **coordination workshops** with international project teams spanning Europe, Asia, and the Middle East
- **Managing communication** with municipal authorities, planning departments, and permitting bodies on complex urban projects

Project & Design Coordination

- **Coordinating all disciplines** — architecture, structure, MEP, civil, landscape, and specialist facades — ensuring design intent is maintained across the full building process
- Preparing and managing **coordination issue logs**, RFI registers, and response workflows to keep projects on schedule and reduce design conflicts
- Directing **drawing production and documentation** across multidisciplinary teams on fast-track project schedules

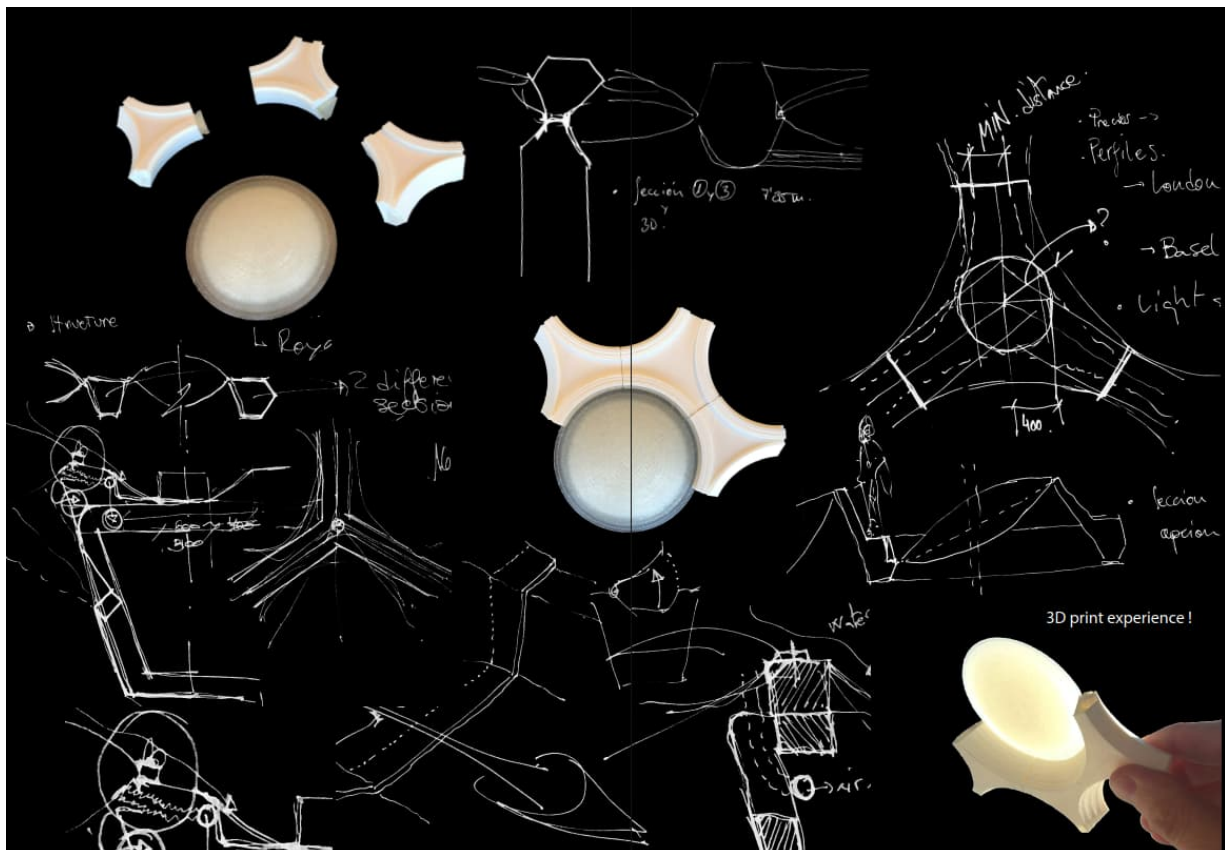
Team Leadership

- Leading and mentoring teams of 2–10 architects, modellers, and specialist consultants on concurrent projects, most of the times diverse teams simultaneously
- Structuring project teams and assigning responsibilities to leverage individual expertise while ensuring collective motivation
- Implementing agile coordination cycles and smart roadmaps to accelerate decision-making and reduce rework on complex projects or building systems
- Understanding and motivating teams are the key features to achieve fluent plans and smooth workflows

BIM Methodology

Because every project and every client are different, we always need to structure, optimize and define the proper BIM strategy for each.

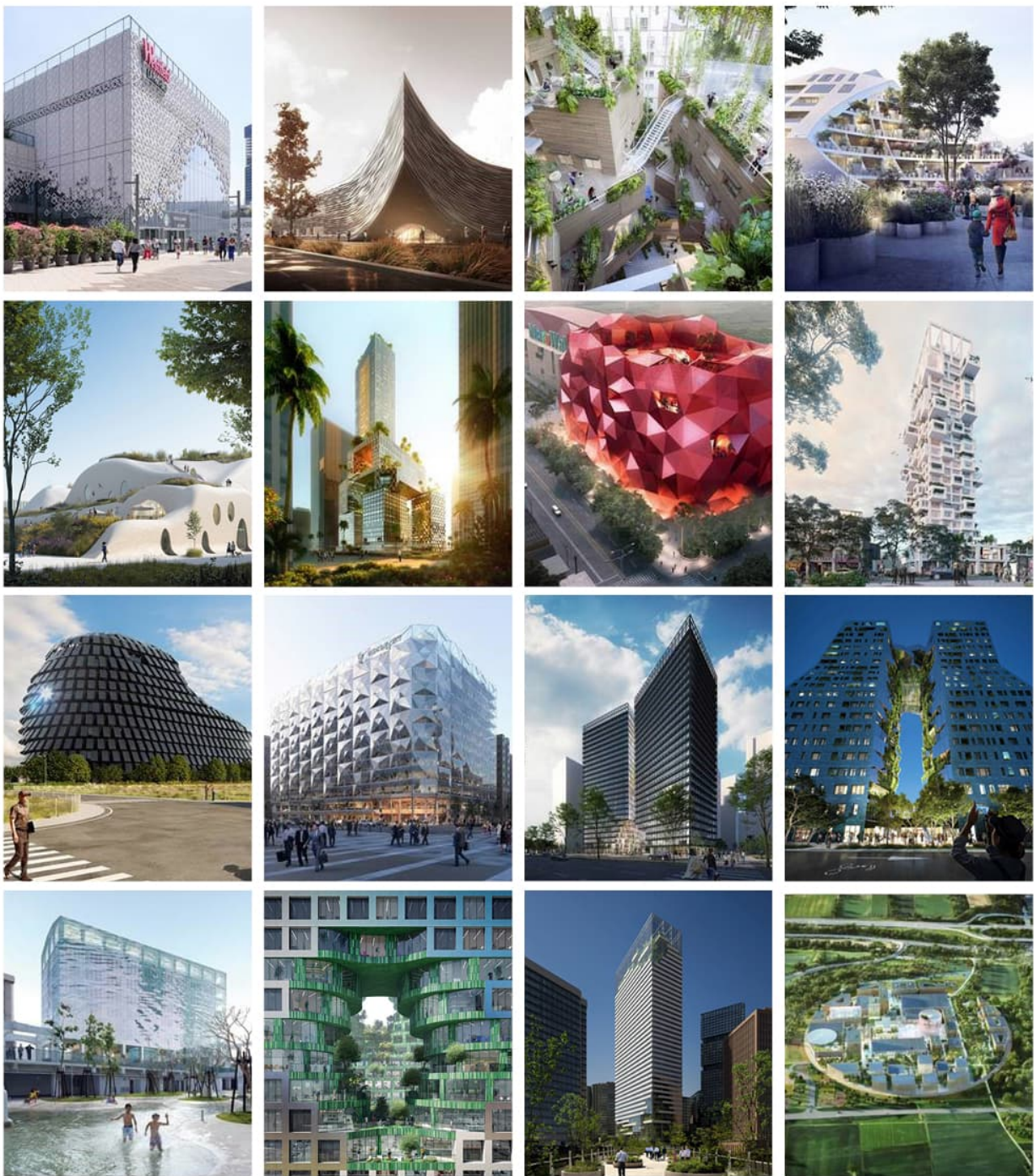
I don't use BIM only to document buildings, I use it to think about them, sketch and strategy is a must.



Design and BIM strategy splitting a big roof surface in 4 simple pieces. Utrecht Central Station, project built.

BIM & PROJECT DIVERSITY AT MVRDV

Diverse scales, functions, geometries, requirements, locations, plannings...



From 2016 till 2024 I was working with MVRDV in multiple and diverse projects, this is a short **selection of projects I worked on significantly in all of them, with project leading and BIM coordinator roles**, always paralely to my pasion for dairing building skins adapted to their best performance and expresivity.

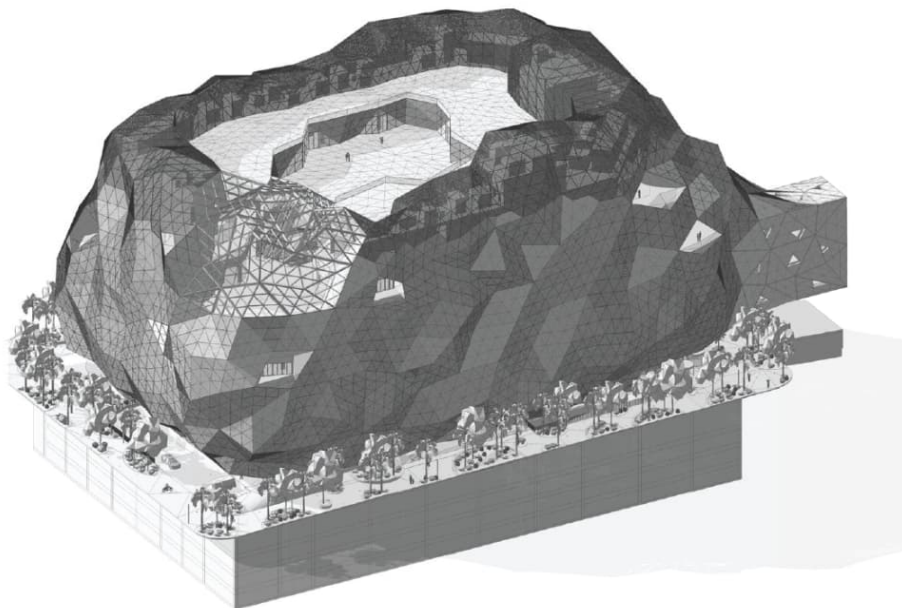
From the Lyon Part Dieu shopping mall to the Artificial Inteligence office campus IPAI, going through multiple office, residential, hotel, sport, infrastructure, museum...projects, all explained and reachable with my credentials at www.mvrdv.com I'm always glad to explain them in a more detailed portfolio when needed.

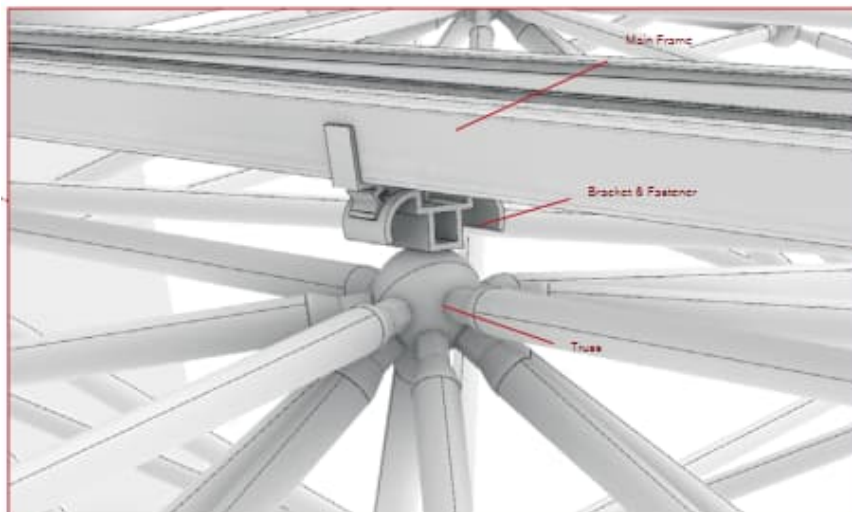
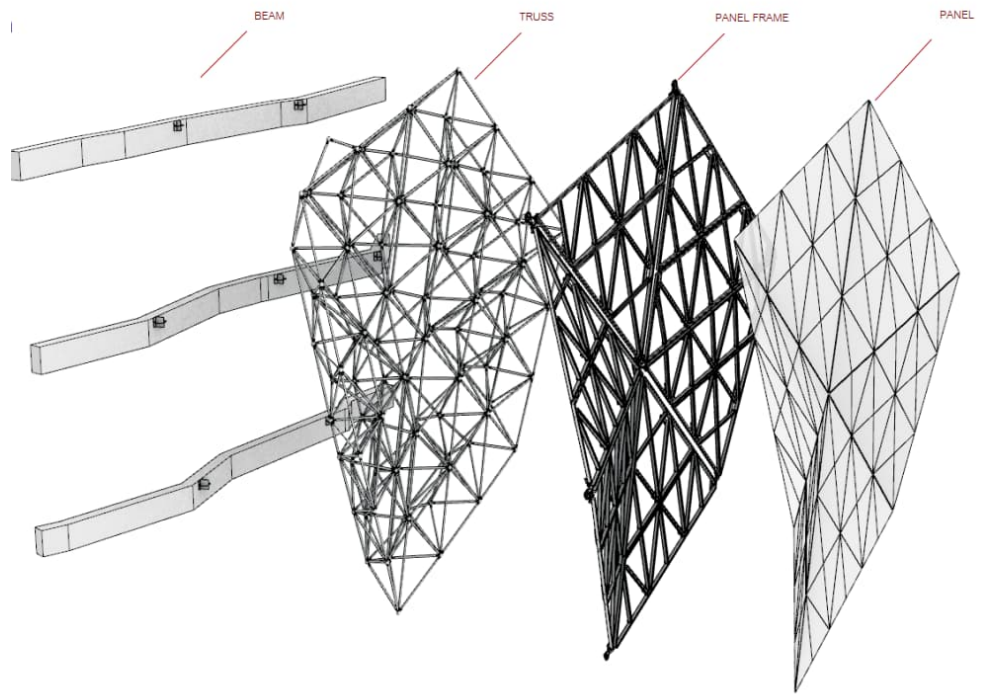
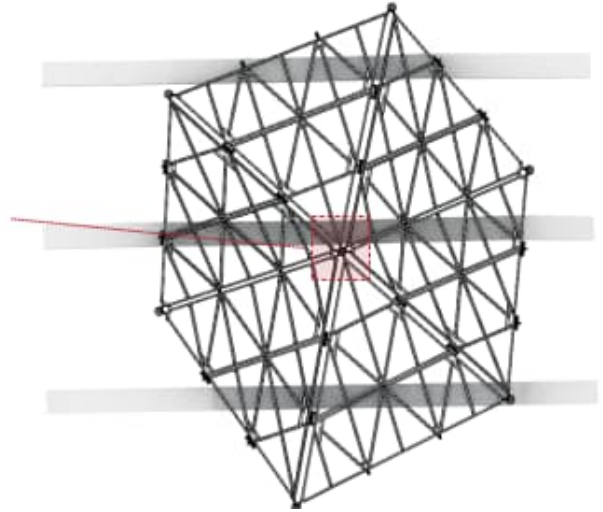
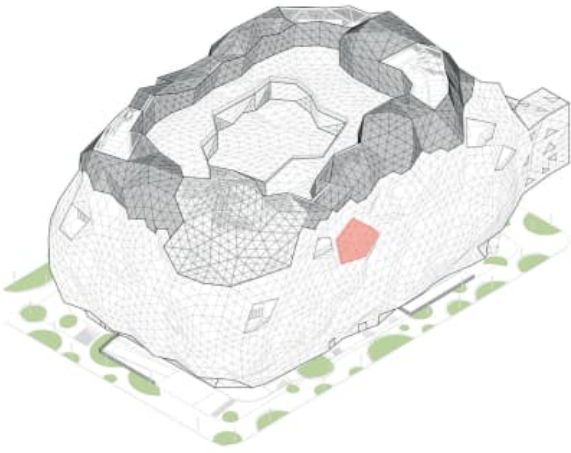
BIM & COMPLEX GEOMETRIES

Metro Walk shopping centre extension, Taipei, Taiwan. MVRDV



Project developed at MVRDV from 2020-2024, taking the role of project lead and BIM coordination, from VO to DO phases and with a strong analysis on prefabrication and optimization of the façade panels, all populated in design phase with Rhino-GP and later on developed all in Revit with panelization and curtain wall families. Coordination integrating structural, MEP, manufacturers and interior design models.

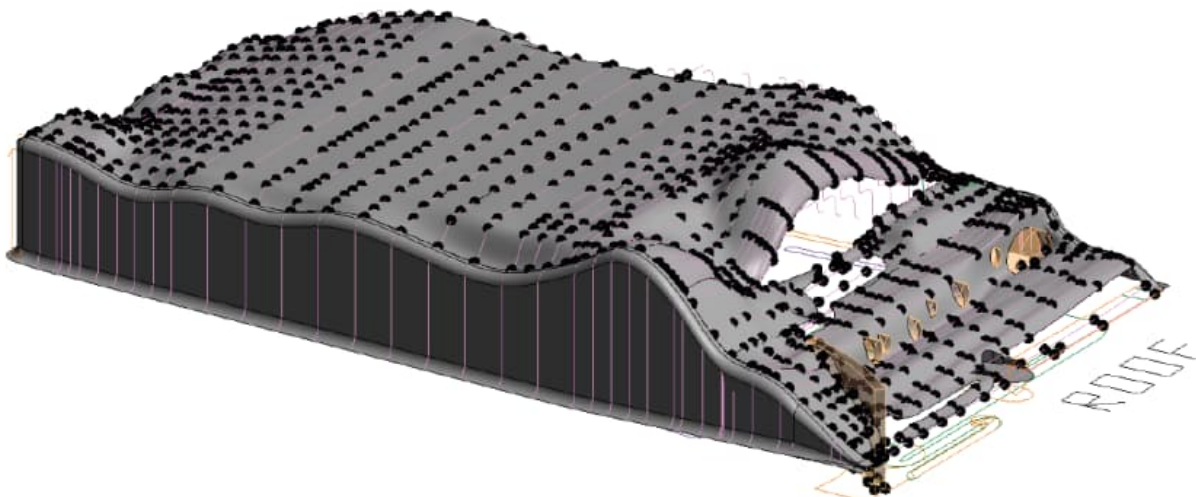


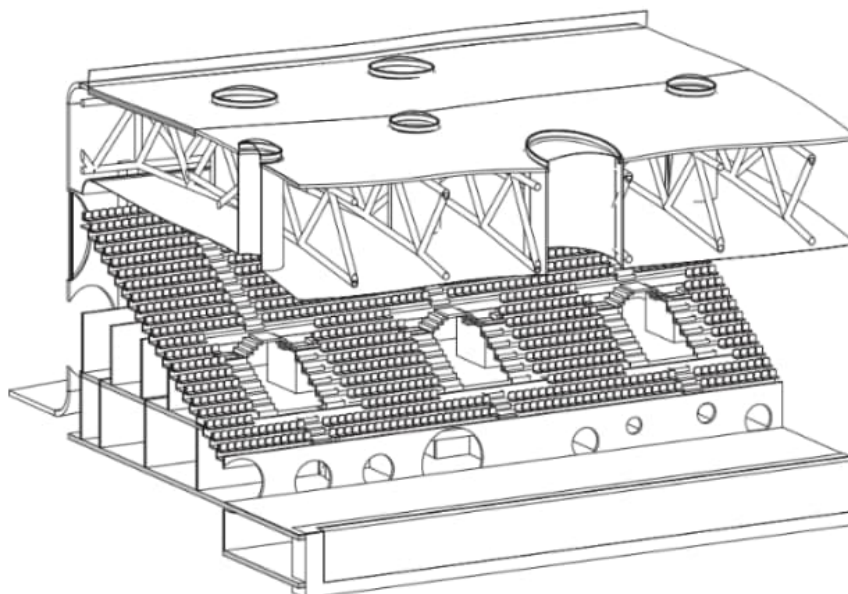
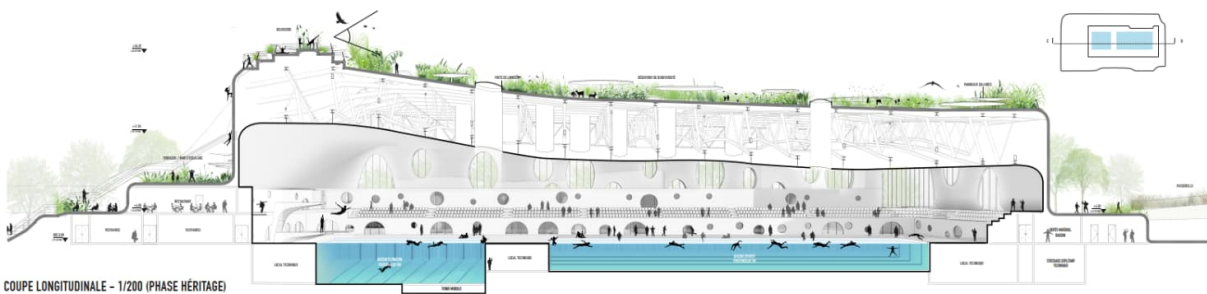
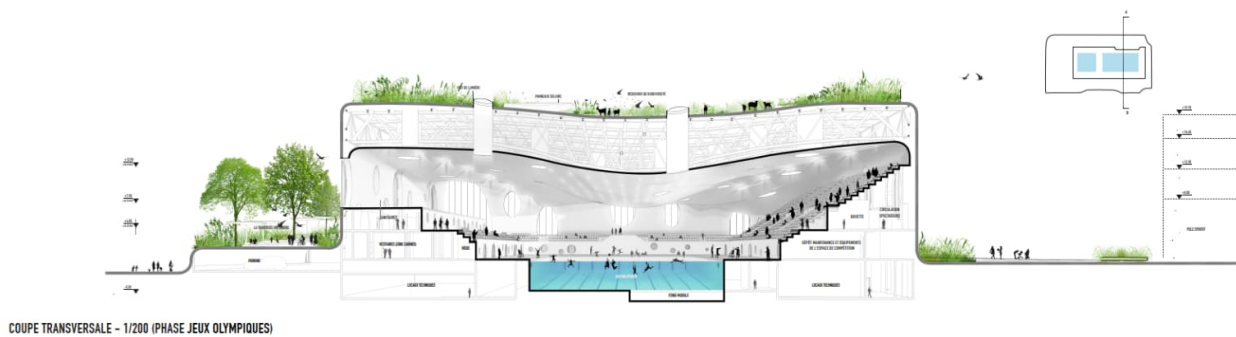


CAO, Centre Aquatique Olympic, Paris, France. MVRDV



International competition for the Olympic swimming pool in Paris 2024, project developed during more than 2 years integrating all the disciplines. I had the BIM coordination role, this project was fully developed with Revit, using adaptive points strategy to allow plasticity to realize curved geometries and to provide flexibility to adapt the shapes to the structural trusses supporting the roof, planned as a new park for the neighbourhood of Saint Denis.



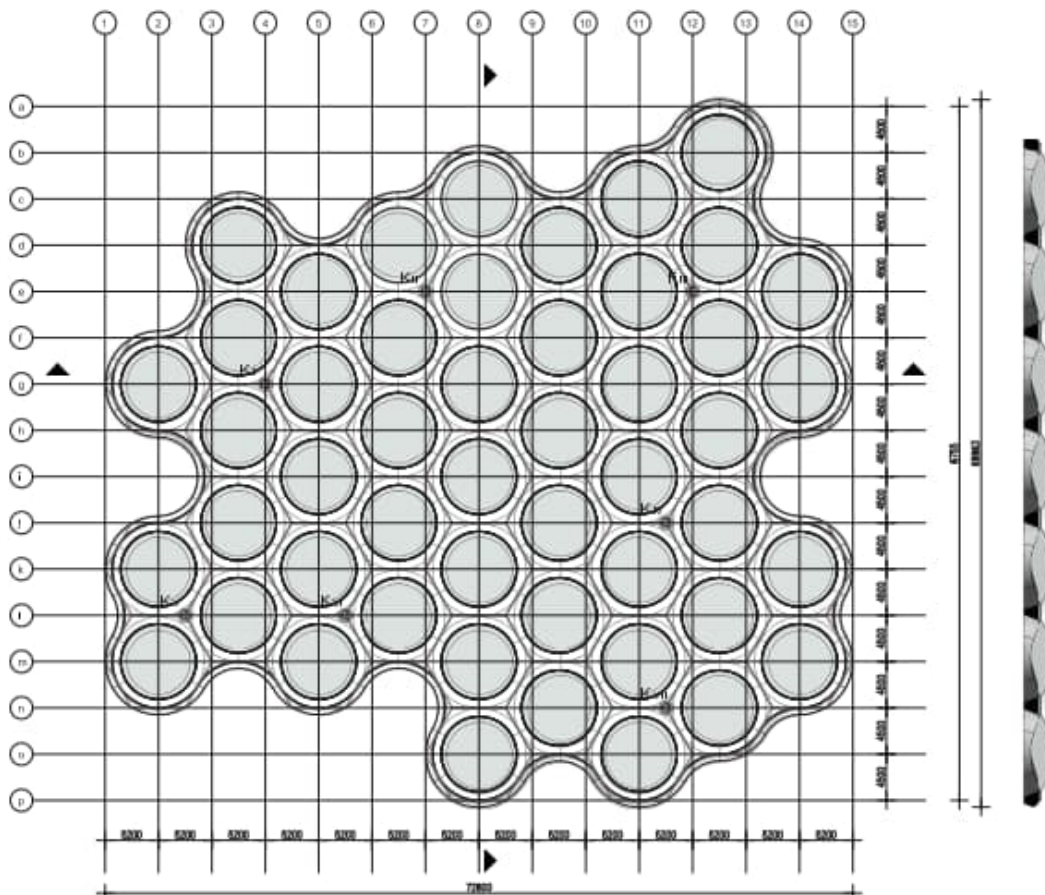


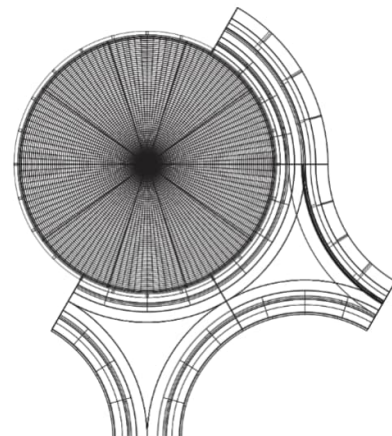
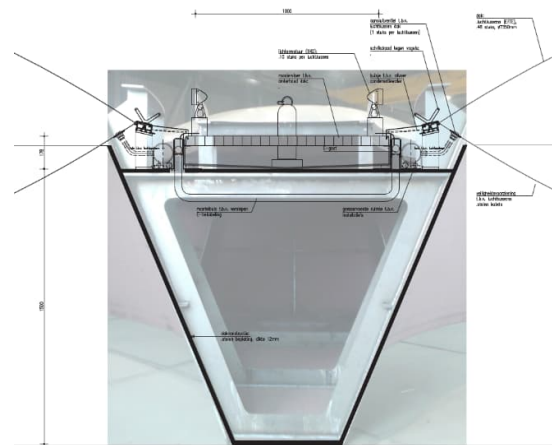
BIM & CONSTRUCTED MODULARITY

Stationplein Oost canopy, Utrecht, The Netherlands. EHA. Ector Hoogstad Architecten.



Project fully developed in Revit by myself for EHA, taking advantage of modularity and prefabrication strategies, complete canopy only realized only with 4 pieces, integration of dynamic fluids studies.



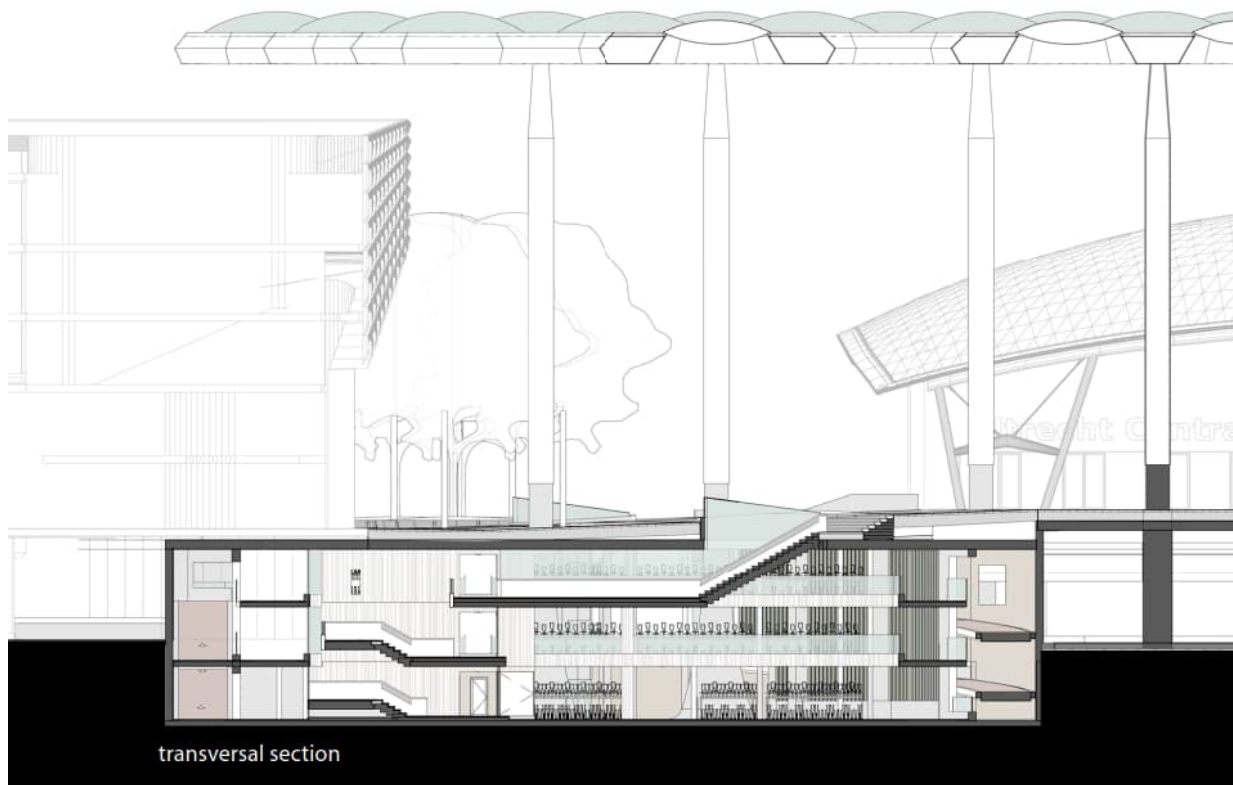


BIM & REALIZED COMPLEXITY

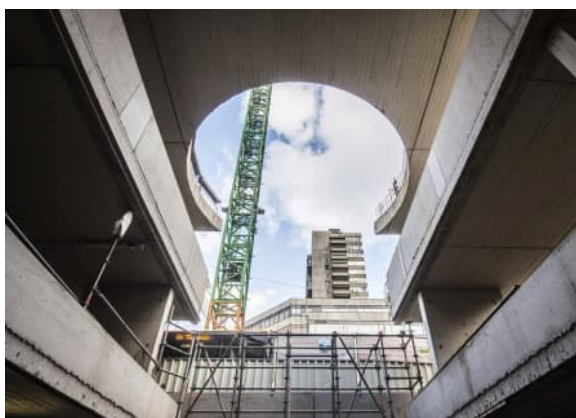
Stationsplein Oost bicycle parking, Utrecht, The Netherlands. EHA. Ector Hoogstad Architecten.



The largest bicycle parking facility in the world, this complex project was fully developed in Revit, my first Revit experience, starting in 2011 with the initial role of architect modeller and 3D visualizer at the competition phase, and evolving to BIM coordinator and site supervisor till realization in 2016.



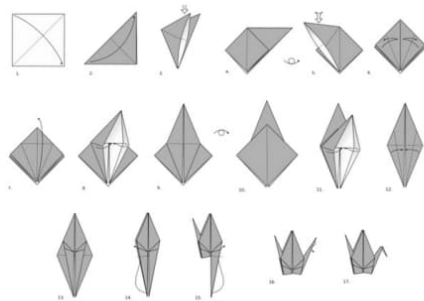
Great achievement on integration with diverse disciplines and requirements of the busy context of the Utrecht central train station, between the bus station and the shopping mall.
From the sketch roll to realization, complete process during 5 years.



Folding Fukuoka, National bank, Fukuoka, Japan. MVRDV



Project lead and BIM coordinator for a bank competition in Japan, fast project developed in BIM with integration of daylight optimization and accurate amounts of materials for cost calculations.



1 Origami crane folding steps

折り鶴の折り方



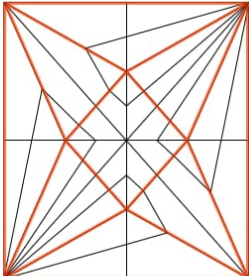
3 Unfolded origami

展開した折り紙



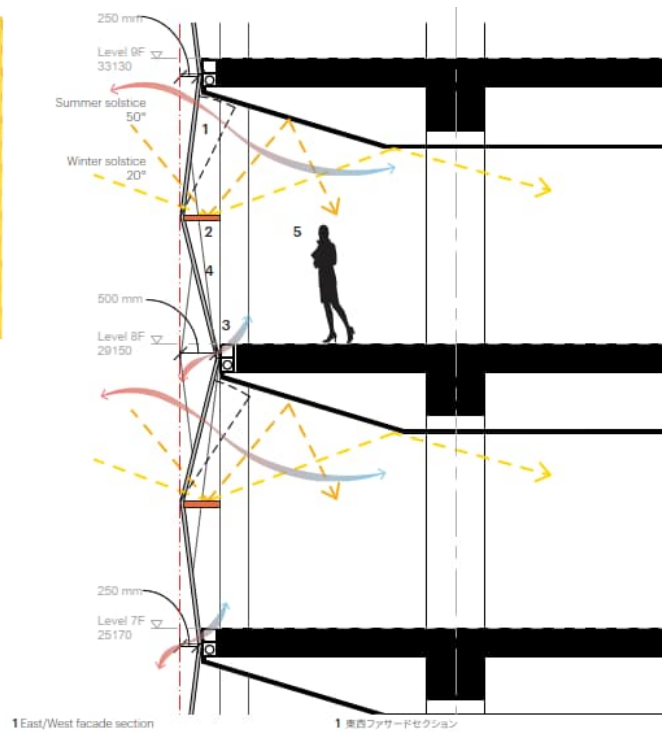
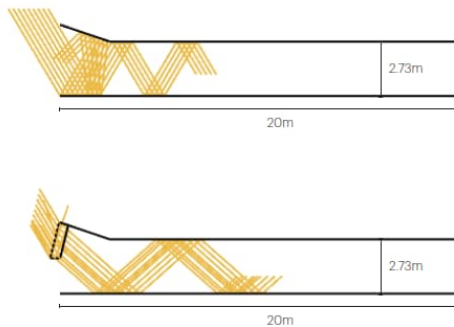
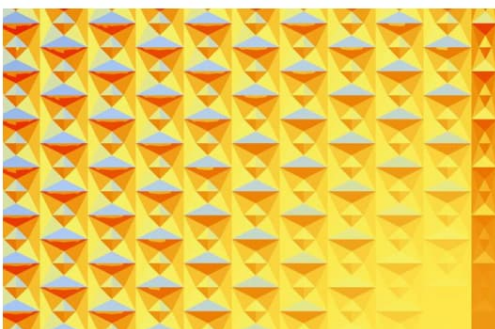
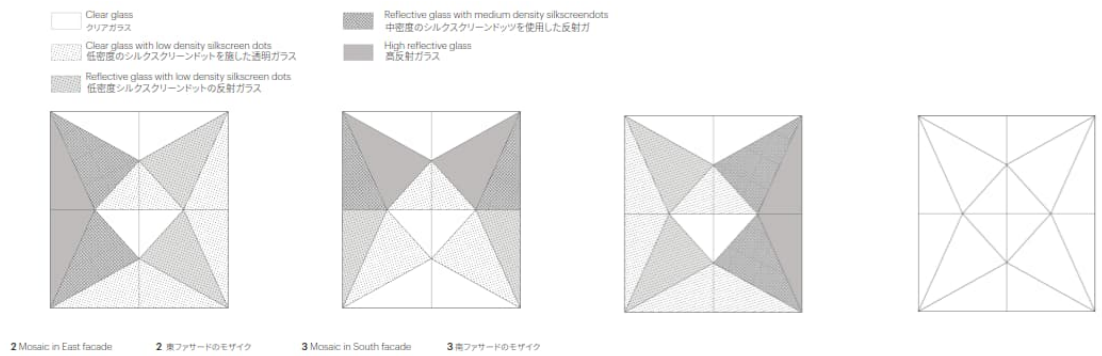
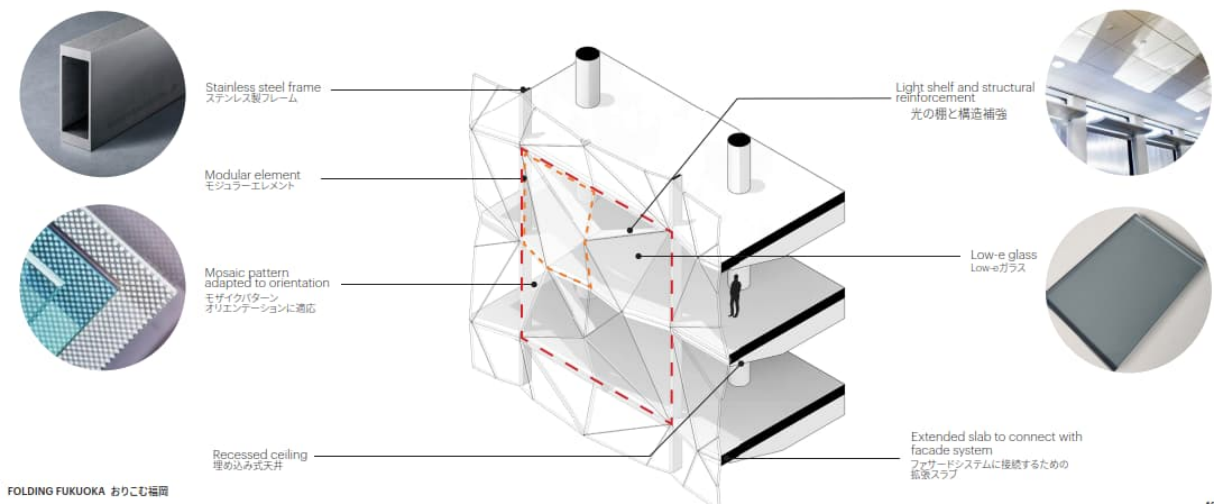
2 Origami crane

折り鶴



4 Predominant folding lines

優勢な折り線



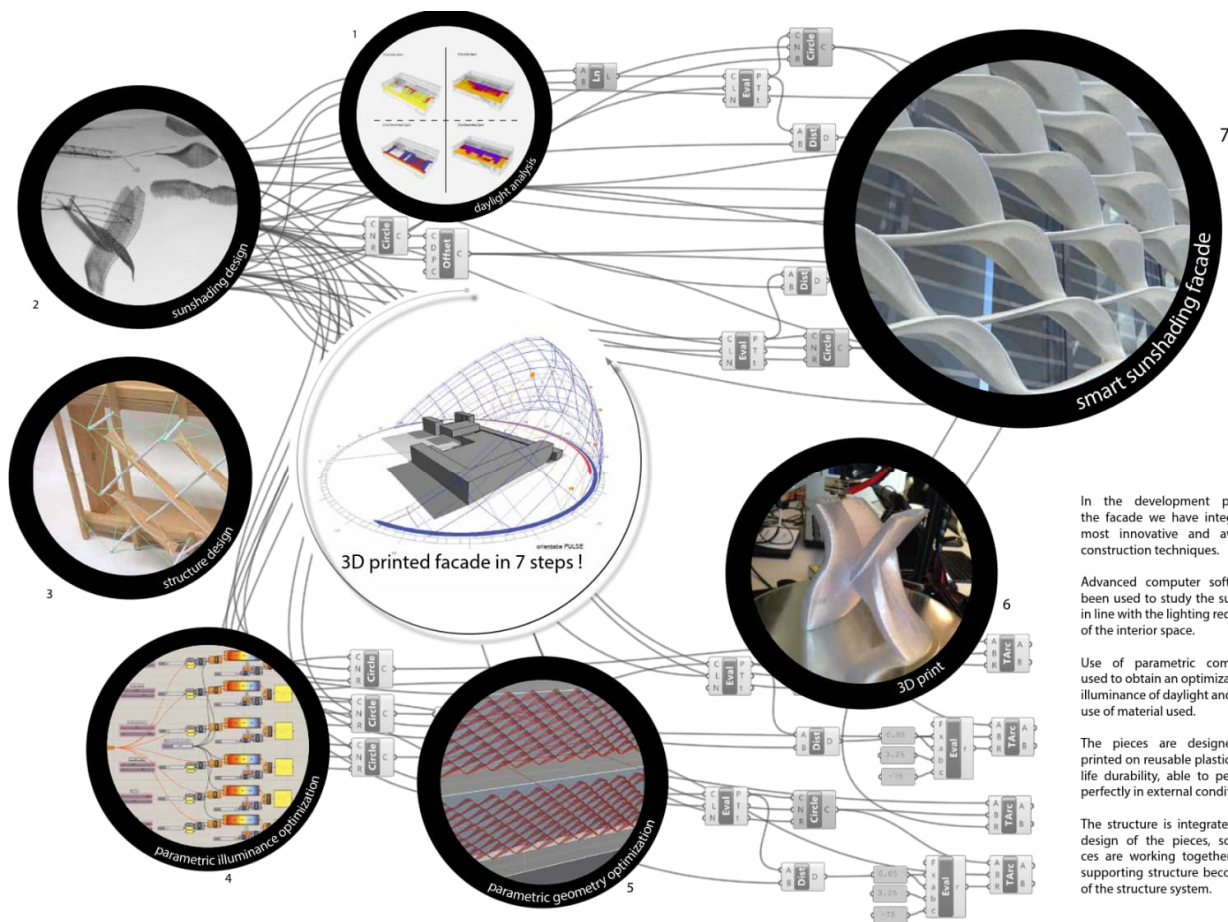
PULSE, TU Delft, The Netherlands. Ector Hoogstad Architecten + TU Delft



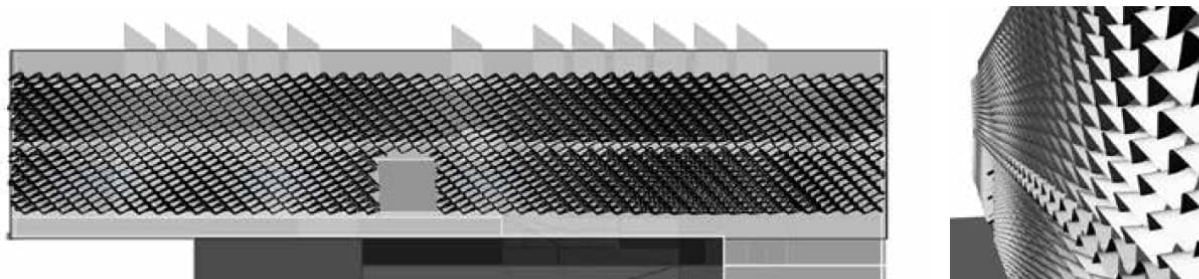
On behalf of TU Delft, EHA Architects design 'PULSE'; an inter-educational centre with space for new forms of education where students and teachers meet and share knowledge and experiences.

I join the design team to develop an extraordinary facade, based in the optimization of daylight illuminance in different areas of the building by an avant-garde facade made of unique reusable plastic 3D printed pieces.





My role in the project was diverse, I was designer, BIM modeler, 3D visualizer, construction detailing and coordinator between EHA and TUDelft. At that time in 2015, the 3D printing technology wasn't common in the construction industry and even less on large scale façade pieces, at the end the building was completed with a different façade due to the lack of certifications on the 3D printing materials.



affordable



building costs

pure material



100% recycle

printing time



1 day

3D optimization



performance

production process



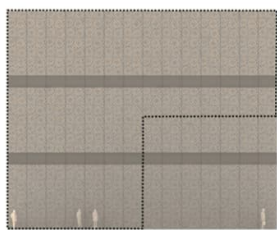
CO₂ neutral

BIM & FAÇADE PANEL FABRICATION

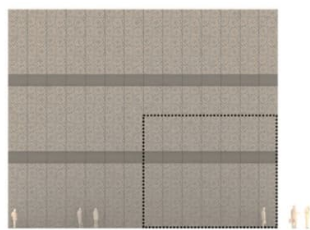
Lyon Part Dieu shopping mall, Lyon, France. MVRDV 2016-2020



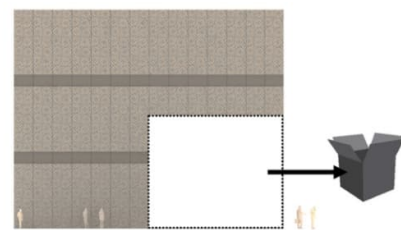
Large scale shopping mall façade renovation and extension. I was taking the Project lead and BIM coordinator roles during 4 years, from VO to completion. Challenging process of dissolving an existing façade, making concrete float and evaporate to incorporate the new entrances and volume extensions.



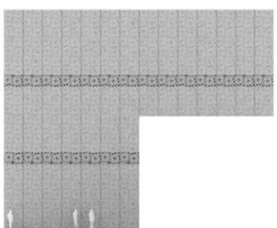
Existing façade is conserved



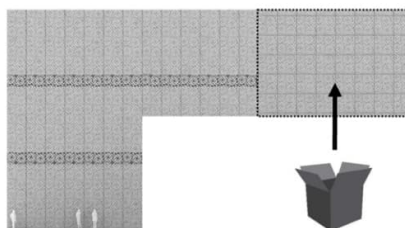
Existing façade is modified to create openings



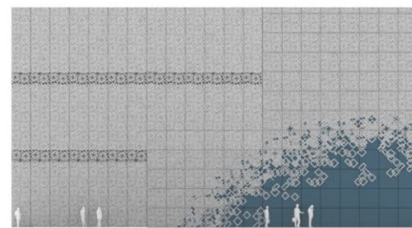
These panels are stored for later use



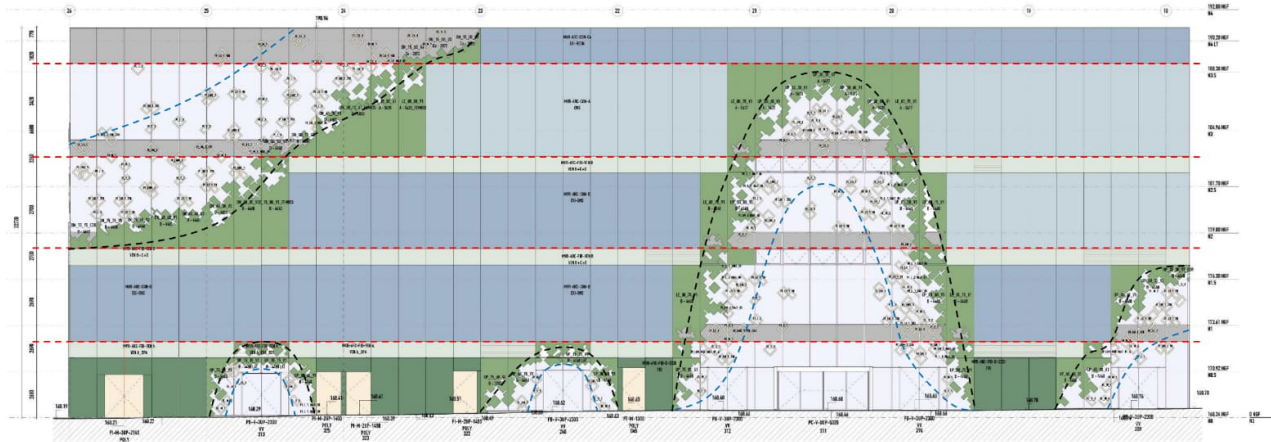
The façade is refreshed and vents are hidden



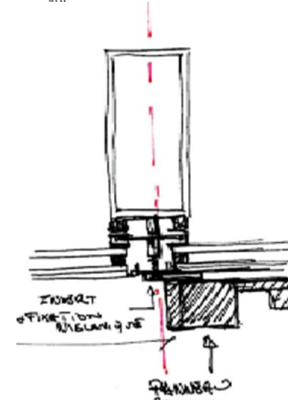
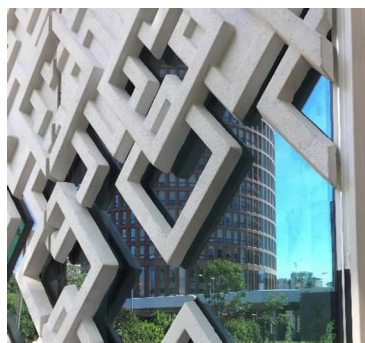
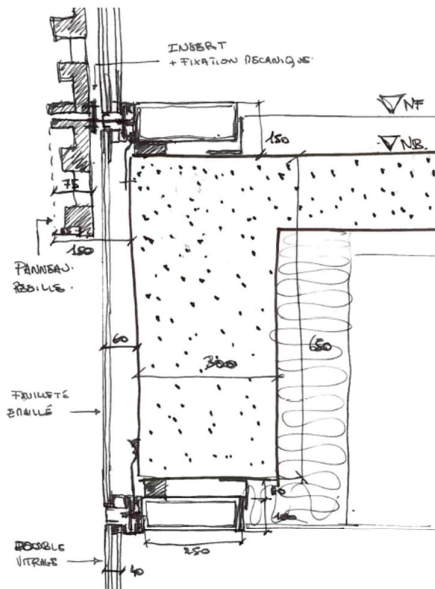
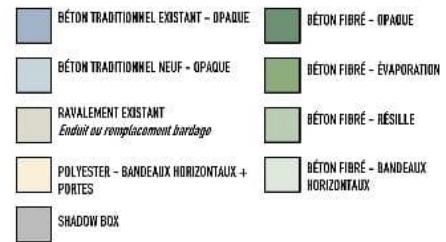
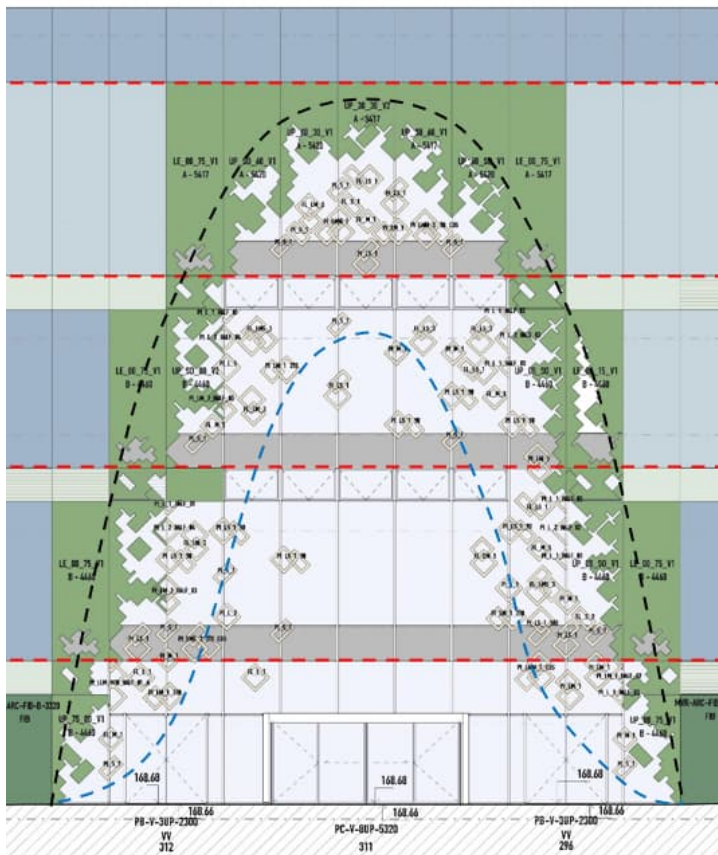
Stored panels are reused on opaque extensions



The evaporation of the motif unifies the existing building with the extensions



More than 3.000 façade panels were modeled in 3D, new and existing, clasified with different grade of evaporation, all the data was stored in each panel for future fabrication, depending on the type, length, and way to connect to the structure or to the curtain wall behind.



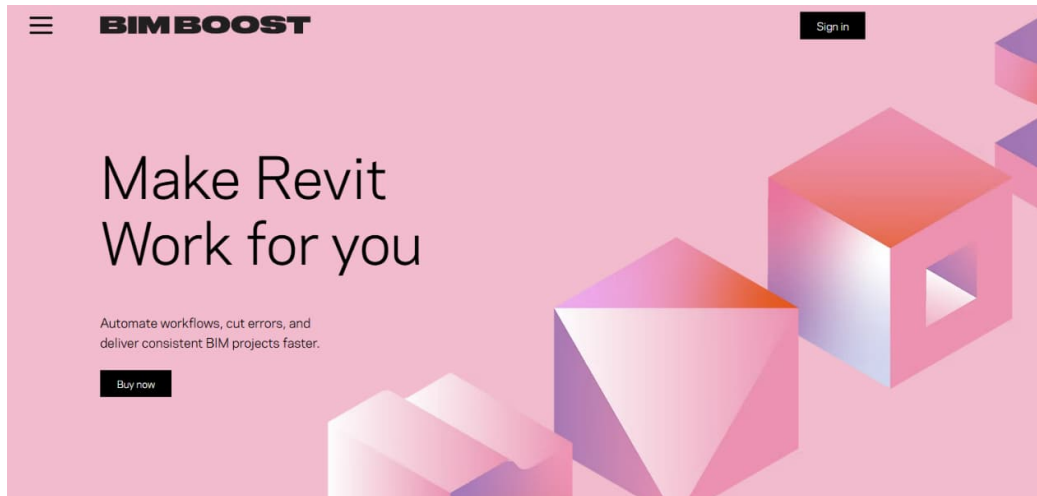


B I M & A I A U T O M A T I O N S

Development of professional Revit plugins for automation and quality consistency. BIM & Beyond

With the project leading role, together with a small team, I was developing specific tools based on AI technology to be applied on our daily workflows, made from practice. These tools become so useful that my director dived to commercialize them, please visit to know more about

[BIM BOOST](#)



B I M & L E C T U R I N G A N D C O N G R E S S E S

Speaker at international conferences

With the aim to promote, learn and educate about the best practices about BIM and how to integrate it with optimum building skins, these last years I was attending and lecturing at multiple congresses such as:

[ZAK / Word of Facades](#)

[ABS Advanced Building Skins](#)

[Building Envelope Design](#)

[Architect @ Work](#)

[DiGiBouw](#)



Thanks for your time reading this summary portfolio, for more information, don't hesitate to contact me. Daniel Diez Ausias, Rotterdam 2026.