

selected works

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Contact

UNStudio

Amsterdam

Stadhouderskade 113
1073 AX Amsterdam
PO Box 75381
1070 AJ Amsterdam
The Netherlands
T +31 (0)20 570 20 40
F +31 (0)20 570 20 41
info@unstudio.com
www.unstudio.com

Business Development contacts:

Machteld Kors
m.kors@unstudio.com

Teun Bimbergen
t.bimbergen@unstudio.com

Marisa Cortright
m.cortright@unstudio.com

Giulia Carravieri
g.carravieri@unstudio.com

Niki Pliakogianni
n.pliakogianni@unstudio.com

Carleigh Shannon
c.shannon@unstudio.com

Frankfurt

An der Welle 4 #528
60322 Frankfurt
Germany
T +49 69 6593 7580
info@unstudio.com

UNSense

Plantage Middenlaan 62
1018 DH Amsterdam
The Netherlands
info@unsense.com
www.unsense.com

UNStudio Asia

Shanghai

Room 4606
Raffles City, No. 268
Xizang Middle Road
Shanghai 200001
China
T +86 21 6340 5088
F +86 21 3366 3302
asia@unstudio.com
www.unstudio.com

中国上海市西藏中路268号
来福士广场办公楼4606室
邮编 200001

Hong Kong

Room 1102-1105
Yu Yuet Lai Building
43-55 Wyndham Street
Central, Hong Kong
T +852 3499 1261
F +852 3563 8200
asia@unstudio.com
www.unstudio.com

Business Development contacts:

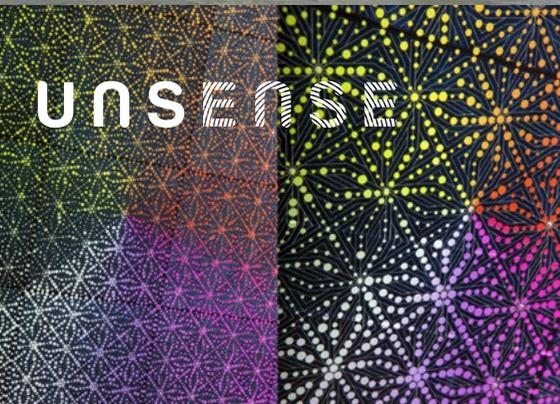
Nora Schueler
n.schueler@unstudio.com

Maggie Sun
maggie.sun@unstudio.com

Sarah Zheng
sarah.zheng@unstudio.com



Profile



Background

About UNStudio

Founded in 1988 by Ben van Berkel and Caroline Bos, UNStudio is an international architectural design studio specialising in architecture, urban development, infrastructure and interior and product design. The name UNStudio stands for United Network Studio, referring to the collaborative nature of the practice.

About UNSense

UNSense is an 'arch-tech' company and innovation platform that explores and develops technology in order to humanise the built environment. Founded as a sister company to UNStudio by Ben van Berkel in 2018, UNSense is based at the start-up incubator FreedomLab in Amsterdam.

International Profile

Throughout 30 years of international project experience, UNStudio has collaborated with an extended network of international consultants, partners and advisors across the globe. This network enables us to work efficiently anywhere in the world. With over 100 projects in Asia, Europe, Middle East and North America, the studio continues to increase its global presence with recent commissions in China, South Korea, Qatar, the United Kingdom, Germany and the United States, amongst other countries.

Selected Pivotal Projects

Acclaimed UNStudio projects include Arnhem Central Station (The Netherlands), the Mercedes-Benz Museum, Stuttgart (Germany), the Raffles City Hangzhou mixed-use development (China), the Singapore University of Technology and Design (Singapore) and the Erasmus Bridge, Rotterdam (The Netherlands).

Office Locations

UNStudio's office is based in the centre of Amsterdam. In 2009 UNStudio Asia was established, with its first office located in Shanghai, China. Initially serving to facilitate the design process for the Raffles City Hangzhou project, UNStudio Shanghai has expanded into a full-service design office with a multinational team of all-round and specialist architects. In 2014, a third office was opened in Hong Kong. With UNStudio's FOUR Frankfurt project currently in design development, a fourth office opened in Frankfurt in 2018.



Design Philosophy

Innovation

Innovation is at the heart of our values. UNStudio's approach to design is deeply rooted in research, experimentation, parametric modelling and programme/flow analysis. Together with our clients, we engage in collaborative explorations that push the limits of design for the future built environment. We believe in discovery by design, wherein our research directly shapes the spaces we design, and vice versa. For each project, we investigate advanced technical solutions for materials, computation, energy and light for optimal performance. Within UNStudio, we push for Innovation through our Knowledge and Futures units and our sister company UNSense.

Cross-disciplinary Design

UNStudio's architectural design teams frequently collaborate with and are supported by product, urban and interior design units. The nimble organisation of these units allows for cross-disciplinary design that can combine the urban scale of the masterplan with the personal scale of the product in a single project. In addition to supporting UNStudio's architectural projects, the urban, interior and product design units carry out their own projects for clients in South Korea, the Netherlands, Italy and China, amongst other countries.

UNStudio is currently carrying out several masterplanning projects across Europe, Asia and the Middle East. In 2018, UNStudio completed a landmark space at Terminal 2 of Incheon Airport and UNStudio released its River City Carpet for ARTinD.

Network Practice

As a network practice, a highly flexible approach has been developed which incorporates collaborations with leading specialists in other disciplines. Drawing on the knowledge of related fields, we explore innovative strategies which combine programmatic requirements, construction and movement studies into an integrated design.

Our Approach

The office is interested in helping our clients develop an insight into a location, its problems and its potentials. This insight then serves as a decision making tool for those responsible for planning the project in question. The architecture we propose develops out of our continuous search for the balance between a process-oriented approach with its unknown outcome and an enduring professional vision.

Health, Circularity and Technology

Healthy by Design

Our overarching design philosophy is rooted in a holistic approach to health and wellbeing, with strategies that can address health in all its forms. By this, we mean designs that are good for individuals as well as for society, improving mental, physical and social health. By putting people at the forefront of our design thinking, our strategies improve cognitive performance, increase happiness, reduce stress and boost energy levels. On a practical level, this means taking a considered approach to air circulation, water, nourishment, daylight, physical movement, thermal comfort, sound and materials, as well as passive strategies

that can encourage mental wellbeing and social interaction. As cities densify and the demands of daily life grow, designers have a responsibility to not only prioritize efficiency, but to ensure that the spaces we create actively increase quality of life for everyone.

Transitioning to a Circular Economy

Constructing buildings is one of the most energy intensive activities that we can undertake as a society. In order to create buildings that foster healthy communities today and in the future, we must necessarily consider what the impact of the construction supply chain will be on global ecologies that support human life. Beyond

designing buildings that are no longer reliant on finite resources for economic success, we need to create buildings that can encourage circular initiatives, and that are designed to add value beyond their long lifecycle. We know that the transition to a circular economy needs to happen on a systems level, meaning that supply chains, legislation and industry norms need to change too. As such, we see Circularity as an ongoing process and as a design tool, not a finished result. The transition to the circular economy can ensure that the buildings we create are truly resilient, future-proof and flexible while still being of use beyond their lifecycle.

Technology and Quality of Life

We are moving towards design that is no longer imposed by designers, but guided by users. Responsive and adaptive design, through the integration of sensor technology, responds to the data that is produced by communities as they use a given space. The technology that processes this data can act as a catalyst that can help us collaborate better, enable less-wasteful business models, create sharing initiatives, develop better supply chains, understand how our built environment is actually used, track and optimize resource use and predict refurbishment in a way that saves money in construction and planning processes.



Management & Organisational Structure

Working Strategy

In order to accommodate the specific needs of each project, UNStudio has developed an organisational structure that allows us to be a flexible partner. We strive for quick and efficient processes, and we constantly evaluate and renew our working techniques. For each project, a team of experts is assembled in order to achieve the optimum result.

Leadership

The management team of UNStudio consists of founder Ben van Berkel, cofounder Caroline Bos and the partners Astrid Piber, Gerard Loozekoot and Hannes Pfau. Together with a group of five directors, the Board of Directors is responsible for the daily and long-term management of the office, leading a team of over 250 colleagues all committed to quality and innovation, with expertise varying from architecture, design, development and planning to technology, futurism and business strategy.

We see our collaboration with clients as journeys in which mutual curiosities lead to ground-breaking results.



Ben van Berkel
Founder / Principal Architect
UNStudio / UNSense



Caroline Bos
Co-Founder / Principal Urban Planner
UNStudio

Ben van Berkel, Founder of UNStudio and UNSense, studied architecture at the Rietveld Academy in Amsterdam and at the Architectural Association in London in 1987. Ben has taught at many architectural schools worldwide. He was Professor Conceptual Design at the Staedelschule in Frankfurt am Main and currently holds the Kenzo Tange Visiting Professorship Chair at the Harvard University Graduate School of Design. Central to his teaching is the inclusive approach of architectural works, integrating virtual and material organisation and engineering constructions.

Caroline Bos, Co-Founder and Principal Urban Planner of UNStudio, studied History of Art in London and Urban and Regional Planning in Utrecht. Caroline has taught as a guest lecturer at Princeton University, the Berlage Institute in Rotterdam, the Academy of Fine Arts in Vienna and the Academy of Architecture in Arnhem. In 2012 she was awarded an Honorary Professorship at the University of Melbourne's Faculty of Architecture, Building and Planning. Within projects Caroline is specialised in planning, content development and analytic programming.

Gerard Loozekoot graduated from TU Delft in 1998 and joined UNStudio in 2000. Gerard has extensive experience with complex urban and architectural processes of different scales, focused on typological and sustainable innovations. Gerard brings combined knowledge of design integration and material application techniques within the dynamics of UNStudio projects.



Gerard Loozekoot – Partner / Senior Architect

Astrid Piber graduated from TU Vienna in 1997 and from Columbia University, NY in 1999. Astrid joined UNStudio in 1998 and has worked on numerous urban and architectural design projects and international competitions. Astrid demonstrates proven skills for high-quality design and continuous collaboration aimed at sustainable and performance-driven solutions.



Astrid Piber – Partner / Senior Architect

Hannes Pfau graduated from TU Vienna in 1996 and joined UNStudio the following year. Currently he is a Partner at UNStudio Asia with offices in Shanghai and Hong Kong. Hannes has a proven integrated approach towards design and construction and he is currently managing several large-scale projects in China and Asia Pacific.



Hannes Pfau – Partner / Senior Architect



Arjan Dingste – Director / Senior Architect



Machteld Kors – Director Communications



Frans van Vuure – Director / Senior Architect



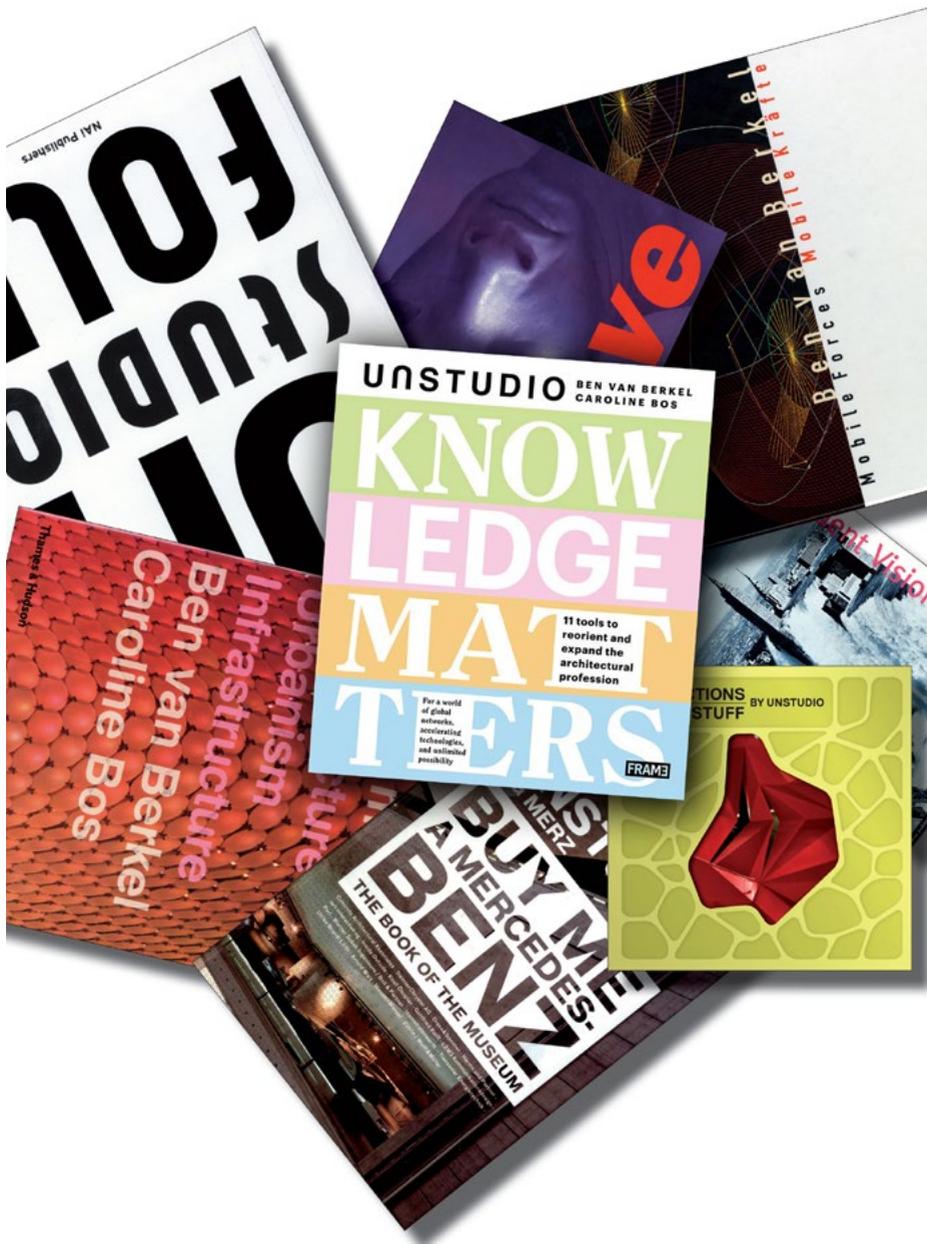
Garrett Hwang – Director / Senior Architect



Jan Schellhoff – Director / Senior Architect



Marianthi Tatari – Associate Director / Senior Architect



Selected Books and Publications

- 2016 *Knowledge Matters*, Frame Publishers, Amsterdam
- 2016 *Spaces of Flow*, Interactive Book
- 2012 *UNStudio in Motion*, Phoenix Publishing and Media Group, Hong Kong
- 2010 *Reflections, Small Stuff by UNStudio*, MIDAS Printing, Hong Kong
- 2006 *Buy Me a Mercedes-Benz*, Actar, Barcelona
- 2006 *Design Models*, Thames and Hudson, London
- 2004 *Forget about the architects*, Umbau, Vienna
UNStudio, Space, Seoul
- 2003 *Love it Live it UNStudio*, monograph issue by *DD Magazine*, Seoul
- 2002 *UNFold*, Nai Publishers, Rotterdam
- 1999 *Move*, Goose Press, Amsterdam
Museum Het Valkhof, Goose Press, Amsterdam
Rem and Ben, A+U, Tokyo
Diagram Work, guest editor Caroline Bos and Ben van Berkel, ANY, New York
- 1995 *Ben van Berkel*, monograph issue by *El Croquis 72.1*, Madrid

Selected Awards

- 2019 Architizer A+Awards, Wall & Wall Coverings, Popular Choice Winner – The Coolest White
- 2018 MIPIIM Asia Best Residential Building – The Scotts Tower
- 2018 Tableware International Award of Excellence, Giro Cutlery Set
- 2017 Architektur & Wohnen Architect of the Year
- 2017 Red Dot Award for Urban / Public Design, Eye_Beacon
- 2016 BNA Kubus, Ben van Berkel & Caroline Bos
- 2016 Architizer A+ Award, Best Bus & Train Station, Arnhem Central Station
- 2016 Singapore Good Design Mark, Gold, Singapore University of Technology & Design
- 2015 Interior Innovation Award, HEM (Living Landscapes)
- 2014 Sunday Times British Homes Awards, Canaletto
- 2014 Hugo-Häring-Auszeichnung, Centre for Virtual Engineering (ZVE)
- 2013 European Steel Awards, Kutaisi International Airport
- 2012 28th International Lighting Design Award, Collector's Loft
- 2011 RIBA International Award, Galleria Centercity

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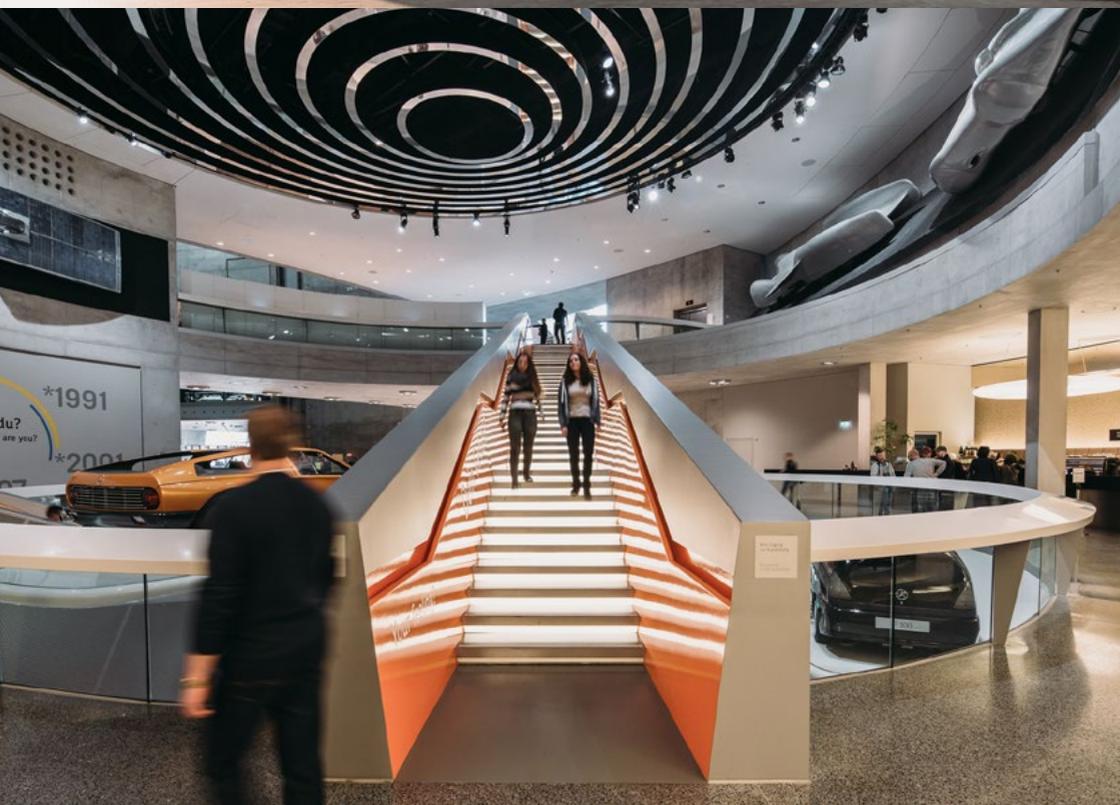
Architecture

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Cultural



Mercedes-Benz Museum, Stuttgart



Mercedes-Benz Museum

Stuttgart, Germany, 2001 - 2006

The museum's sophisticated geometry synthesises structural and programmatic organisations, resulting in a new landmark building celebrating a legendary car. Its unique structure has been specifically devised to showcase a collection in which technology, adventure, attractiveness and distinction are merged. The two main exhibition trajectories spiral downwards on the perimeter of the display platforms, intersecting with each other at several points and allowing the visitor to change routes.

- The museum's compact form, efficient use of daylight and energy and large-span structure contribute to sustainable performance.
- The structure is based on a trefoil; both its internal organisation and its outward expression of this geometry respond to the car-driven context of the museum.
- A total of over 7.1 million visitors since 2006 is a confirmation of the building's success. The second-best result was achieved in 2015, with 772,750 visitors. The onrush was only greater in the year after the museum opened.

Project Information

Car museum and vehicle centre with exhibition space for the historical and new collections of Mercedes-Benz, museum shop, restaurant, sky lobby, children's museum and cinema

Client

Daimler Chrysler AG

Contribution UNStudio

Competition, Preliminary and Definitive Design, Realisation and Construction Supervision

Project Team

Executive Architect: Wenzel + Wenzel

Structure: Werner Sobek

Geometry: Arnold Walz

Climate Engineering: Transsolar

Cost Calculation: Nanna Fütterer

Infrastructure: Arup

Landscape: Knoll Ökoplan

Scale

Gross Floor Area 35,000 m²

Site ca. 62,000 m²

Selected Awards

2008 Hugo-Häring Preis – Guter Bauten

2008 The International Architecture Award

2008 Architektur Preis Beton

Status

Completed 2006



EuropaCity Centre Culturel Dédié Au 7è Art



EuropaCity Centre Culturel Dédicé Au 7è Art

Triangle de Gonesse, north of Paris, France, 2017 - 2022

With its extensive programme requirements the Centre Culturel Dédicé Au 7è Art drove our inspiration to expand upon the black box typology of the traditional cinema complex.

- The building's form is driven by programme arrangement, optimal function and landscape integration.
- As a true hybrid between landscape and architecture, our aspiration is to create public awareness and engagement with the arts through a tandem interest in exhibition, display and projection within an easily accessible and democratic setting.
- The choice of facade material was inspired by large scale landscape sculptures and installations and benefits from the range of natural tones and colours found in weathered metal.

Project Information

Cultural centre dedicated to cinematographic art

Client

Immochan France and Dalian Wanda Group

Contribution UNStudio

Design

Project Team

Visualisation: Flying Architecture

Scale

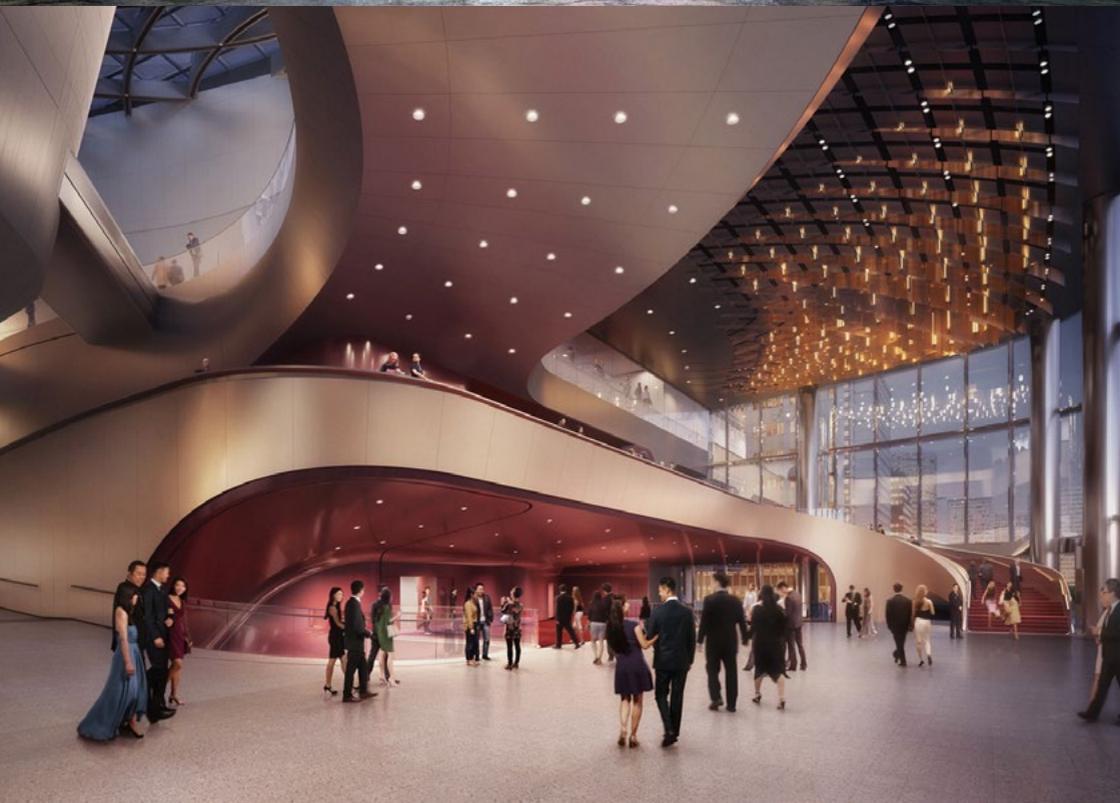
Gross Floor Area	10,045 m ²
Site	7,641 m ²
Volume	75,540 m ³

Status

Winning competition entry 2017



Lyric Theatre Complex



Lyric Theatre Complex

Hong-Kong, China, 2014 - 2023

The Lyric Theatre Complex is located in the West Kowloon Cultural District in Hong Kong, an ambitious 40 hectare waterfront cultural quarter which combines open public space with a wide range of cultural venues. Here museums, theatres and concert halls intermingle to create a vibrant district for Hong Kong, where different disciplines within the arts can interact, collaborate, innovate and develop.

- Lyric Theatre Complex is a mixed-use project housing three theatres (the Lyric Theatre, the Medium Theatre and the Studio Theatre), a Large Rehearsal Room, a Resident Company Centre, rehearsal studios, administrative facilities, and an extensive programme allocation for Retail, Dining and Entertainment.
- Transparency is an important facet in the design of the new Lyric Theatre Complex; it openly displays what is taking place inside and invites in theatre-goers and general visitors alike.
- The building circulation is driven by a 'Central Spine'. It provides the main circulation from the entrances on both sides of the building to the three theatres, whilst also creating an aperture effect that slowly reveals a view of the harbour as visitors walk southwards through the spine.

Project Information
Cultural mixed-use Theatre Complex

Client
West Kowloon Cultural District Authority

Contribution UNStudio
Design

Project Team
Lead Consultants: UNStudio/AD+RG
Structure, Civil, Geotechnical: AECOM
MEP, Environmental: WSP
Theatre Consultant: The Space Factory, Carr and Angier
Acoustic Consultant: Marshall Day
Facade Consultant: inHabit;
Landscape Consultant: LWK Partners
Lighting Consultant: ag Licht
BIM Consultant: isBIM
Traffic Consultant: MVA

Scale
Gross Floor Area 41,000 m²
Site 7,747 m²

Status
Under construction 2023



Theatre De Stoep

Spijkensisse, The Netherlands, 2008 - 2014

Theatre De Stoep is designed to function as an extension of the adjacent landscape and public realm. The interior lobby spills out onto the public square, transforming the area into an extended stage for guests of the theatre. The central atrium in the building acts as a condensation point where visitors meet before and after each performance. From this vantage point, clear views are preserved toward the nearby water and the historical windmill.

- The facade of the building is conceived as a smooth wrap with small perforations; this expressive quality is reinforced by a moiré effect on the overall facade, shifting with the angle and view from which the building is perceived.
- The placement of the programmes within the building aims for efficient routing through the theatre, coupled with a logical relationship to the surroundings.
- The design and placement of the various volumes make use of the natural variations in the levels of the site.

Project Information

Theatre with main auditorium of 650 seats and small auditorium of 200 seats, foyer, offices and grand café/restaurant

Client

Municipality of Spijkensisse

Contribution UNStudio

Design

Project Team

Engineering Design Phase: Arup

Engineering Execution Phase:

IOB

Installations: De Blaay-Van den

Bogaard

Theatre Technique:

PB theateradviseurs

Acoustics: SCENA

Contractor: VORM Bouw

Scale

Gross Floor Area 7,000 m²

Site 3,600 m²

Status

Completed 2014



Theatre Agora

Lelystad, The Netherlands, 2002 - 2007

The Theatre Agora is part of the masterplan design for Lelystad's city centre, belonging to a cluster of cultural activity centres that brings public liveliness to the city centre. At the scale of the city, the theatre is visually accessible from numerous locations and its presence illuminated at night allows the building to function as a point of orientation.

- The design of the theatre integrates theatre arts and new media into sculptural form.
- The traditional orthogonal distribution of space is transformed by the handrail leading up to the auditorium as it cuts through the entire building as part of the vertical foyer, connecting various performance rooms situated on different floors.
- When the handrail finally touches the roof of the building, it culminates in a skylight and then a pink ribbon turns into the orange shades of the facade.
- The exterior walls are faceted to reconstruct the kaleidoscopic experience of the world of the stage.

Project Information

Theatre with two halls and a multifunctional space, restaurant and bar

Client

Municipality of Lelystad

Contribution UNStudio

Design

Project Team

Engineering: Pieters

Bouwtechniek

Theatre Technique: Prinssen & Bus Raadgevende Ingenieurs

Acoustics: DGMR

Executive Architect: B+M

Contractor: VORM Bouw

Scale

Gross Floor Area 7,000 m²

Site 2,925 m²

Selected Awards

2008 World Architecture Festival

- High Commendation

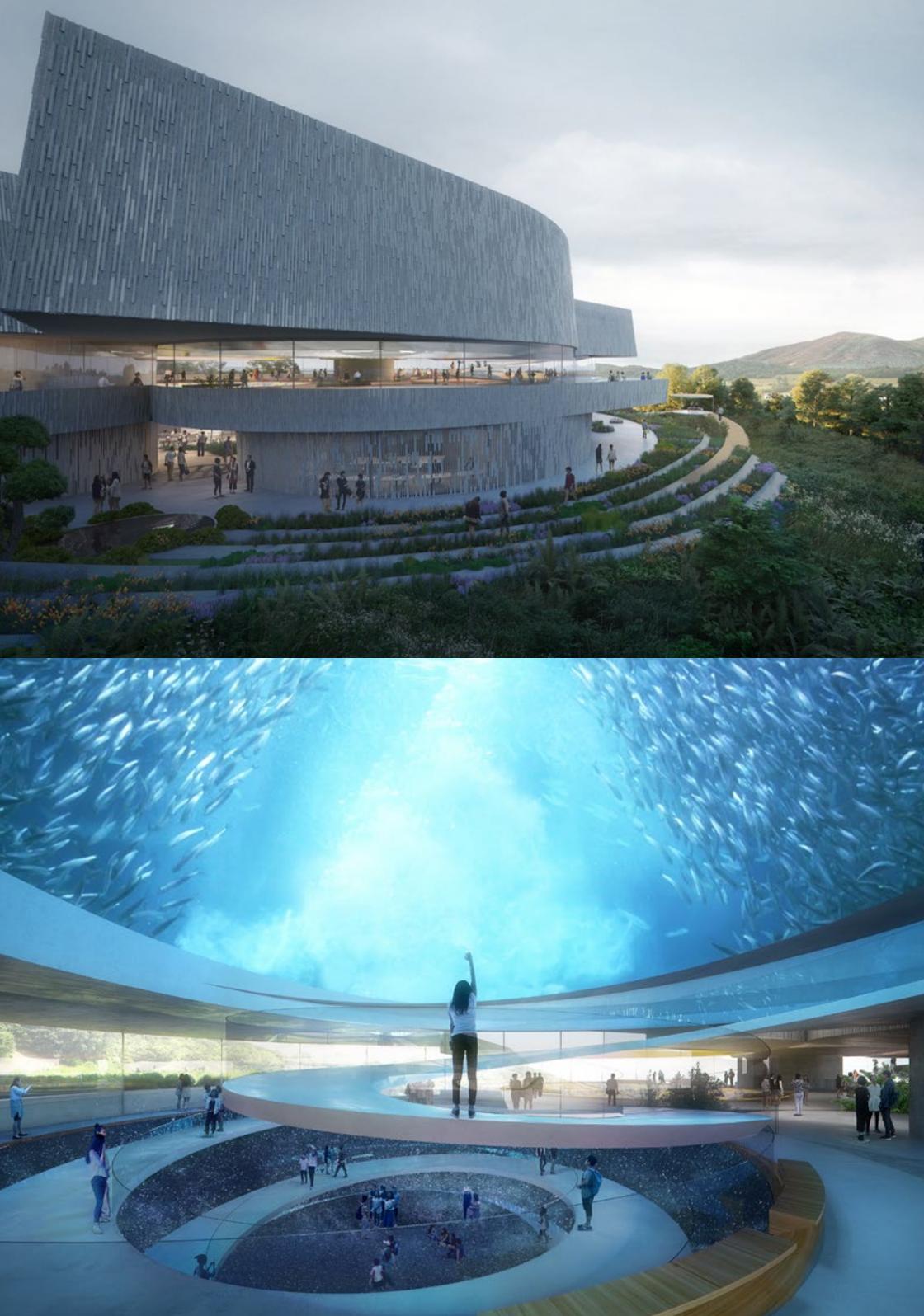
2007 Bienal Miami + Beach

Prize

2007 Gyproc Trophy

Status

Completed 2007



Challenge Museum

Icheon City, Gyeonggi Province, South Korea, 2018

UNStudio's design proposal for the Challenge Museum, a unique museum in South Korea, creates an immersive and participatory experience for visitors, where exhibition and architecture blend with each other and with surrounding nature.

- Restful, flexible outdoor spaces encourage community engagement. With a compulsory two-minute walk through farmland, the approach to the museum creates a grounded, organic experience for visitors, allowing them to feel connected with the Earth.
- Over three levels, the museum unfolds above and below the visitor through a sequence of immersive Marine and Celestial spheres. These spheres overlap with one another throughout the museum, allowing users to explore the skies above them and sea below through scenographic storytelling.
- The museum provides a singular place for people to reflect on their own interests and talents and to imagine, with a fresh perspective, how they might create a meaningful, positive impact.

Project Information

Museum with exhibition, education and entertainment spaces

Client

Dongwon Industries Co.

Contribution UNStudio

Design

Project Team

Exhibition Designer: Tellart
Amsterdam

Cost Consultant: Turner &
Townsend

Scale

Gross Floor Area	8,300 m ²
Site	6,105 m ²

Status

Competition entry 2018



MUMUTH Music Faculty & Theatre

Graz, Austria, 1998 - 2008

The MUMUTH offers space for the full scope of music theatre productions. The theatre has a public character which is dynamic and which facilitates groups of people moving through it during events. In the evening the internally lit building opens up to its surroundings and the fine glittering mesh gives passersby a glimpse of the internal 'twist'.

- The organising principle of the building allows for a free, fluent, column-free internal spatial arrangement which efficiently connects spaces to each other.
- A pattern evoking music and rhythm is applied to the facade, executed in the muted tones of stage make-up and then enveloped by a glittering mesh.
- Because of the flexibility of spaces, the building can be used for teaching, practicing and performing.

Project Information

University faculty building and 500-seat music theatre, with foyer, rehearsal rooms and classrooms, offices, depots and stage machinery spaces

Client

BIG, Bundesimmobilien-gesellschaft m.b.H. & KUG, University for Music and Applied Arts

Contribution UNStudio

Concept Design through Realisation

Project Team

Engineering: Arup
Executive Engineering: Peter Mandl and Partners
Specifications: Housinc Bauconsult
Electrical: Klaus Elektro – Anlagen Planungsgesellschaft
Acoustic / Building Physics: ZT Gerhard Tomberger / Pro Acoustics Engineering
Stage Technique: e.f.f.e.c.t.s. technisches Büro

Scale

Gross Floor Area	6,200 m ²
Site	2,745 m ²

Selected Awards

2010 IIDA Interior Design Competition Award
2010 Urban Land Institute Award for Excellence

Status

Completed 2008



Qingdao World Horticultural Expo

Qingdao, China, 2011 - 2014

The architectural design gesture for the World Horticultural Expo pavilion is borrowed from the shape of the Chinese rose – the city flower of Qingdao – and converted into the floor plan layout of the design. The four pavilion volumes, or ‘petals’, are connected by internal and external walkways and frame a central square. The colour concept is based on the colour variety of flowers, and is reflected in the facade elements which are constructed from vertically folded aluminium panels.

- The pavilion forms respond to the nearby mountains, with their rooftops acting as plateaus which are integrated in such a way that if visitors step onto a building, it is akin to standing on a small mountain.
- The central square acts as a ‘stage’ for the visitors: a dynamic focal point surrounded by viewpoints on varying levels.
- A future life-cycle was incorporated into the design by allowing a transformation of the buildings into hotels, accommodating conference and teaching facilities.

Project Information

Main expo pavilion including expo hall, grand theatre, conference centre and media hub

Client

Office of 2014 Qingdao World Horticultural Expo Executive Committee; Qingdao Bidding Co. Ltd.

Contribution UNStudio

Pavilion: Concept Design
Facade: Concept Design through Realisation

Project Team

Competition Stage
Landscape: Imelk
Theatre Advisor: Theateradvies
Structure, MEP: Arup
Construction Stage
Structure, MEP engineering: Qingdao Architectural Design Institute (QUADI)
Facade Engineering: Senyang Yuanda Aluminium Industry Engineering CO.,LTD
Lighting: Tsinghua Tongfang
Local Architect: Qingdao Architectural Design Institute Corporation

Scale

Gross Floor Area	28,000 m ²
Site	35,000 m ²

Status

Completed 2014

Burnham Pavilion

Chicago, United States, 2009

Placed in the middle of Millennium Park and framed by Lake Michigan on one side and Michigan Avenue on the other, the Burnham Pavilion relates to diverse city-contexts, programmes and scales. Based on the specificity of the site, the design of the pavilion develops an elaborated relationship to the existing form of a rigid geometry while simultaneously introducing a floating and multi-directional space. It orients itself to the city texture and to the flows of visitors exploring Millennium Park. Most importantly, the pavilion introduces diverse vistas towards the park and city surroundings.

Project Information
Exhibition Installation

Client
Chicago Metropolis 2020

Project Team
Structural Engineering: Chris Rocky
Lighting: Daniel Sauter, Tracey Dear

Selected Awards
2010 Condé Nast Traveler Innovation & Design Award – 1st Prize

Status
Completed 2009



Xintiandi Pavilion

Shanghai, China, 2014

Designed by UNStudio, in collaboration with China Xintiandi, the project conceptually explores the role of display in Shanghai: the symbiotic relationship of cultural reflections that occur between the city's residents and urban landscape. As an extended corridor archway that frames the entrance to Xintiandi Style Retail Mall, the project uses a single architectural gesture that transitions from wall to ceiling to wall, not only tracing pedestrians' movements along its trajectory, but translating them into a reflection that revolves and inverts around the visitors as they walk through the installation.

Project Information
Temporary Installation

Client
China Xintiandi

Project Team
Structure: Arup, China Majesty Structure Design Co
Contractor: LANDZ Group

Selected Awards
2010 5th China Real Estate Design Award (CREDAward), Merit Award

Status
Completed 2014



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Infrastructure



Arnhem Central Station



Arnhem Central Station

Arnhem, The Netherlands, 1996 - 2015

The Arnhem Central project is a large urban plan development composed of diverse elements constituting a vibrant transportation hub. Commissioned by the city and ProRail, the masterplan integrates new infrastructure, marking Arnhem as an important node between Germany, the Netherlands and Belgium. The analysis of the types of site movement and volumes, directions, duration and connections between different programmes were integrated in the project development from its onset.

- The diversity of programme complements the surrounding area, services the transportation programme and ensures a 24-hour cycle of activity.
- The topographic articulation expands the station area into a multimodal transport hub and a mixed-use venue for work, retail, restaurants and entertainment.

Project Information

Masterplan station area including transfer hall, underground parking, bus terminal, two office towers, bicycle storage and railway platforms

Client

Municipality of Arnhem / ProRail

Contribution UNStudio

Concept Design through Construction Supervision

Project Team

Masterplan, Transfer Hall and Parking Engineering, Traffic: Arup
Transfer Hall and Parking Structure: Van der Werf & Lankhorst
Transfer Hall Installations: Arcadis
Transfer Hall Fire Safety: DGMR
Parking Installations: Huisman & Van Muijen
Platform Roofs
Engineering: Movares
Contractor: BAM-Dura Vermeer

Scale

Transfer Hall	18,000 m ²
Parking	44,000 m ²
Bus Terminal	7,500 m ²
Office	37,600 m ²
Site	9.51 ha

Selected Awards

2016 Architizer A+ Award, Jury Prize Best Bus & Train Station
2016 Dutch Roof of the Year Award
2012 National Steel Prize

Status

Completed 2015



Qatar Integrated Railway Project



©Qatar Railways Company.



Qatar Integrated Railway Project (QIRP)

Doha, Qatar, 2012 - 2019

Doha’s Metro Network – the key component of the Qatar Integrated Railway Project – will serve as the backbone of the public transport system in the Greater Doha Area (GDA). The full network will comprise four lines connecting the GDA as well as the Al Khor and Al Wakra-Mesaieed communities located north and south of Doha, respectively. UNStudio’s design forms a bridge between the past and the future of Qatar, drawing inspiration from the vast lexicon that Islamic architecture has brought to the craft of architecture, whilst simultaneously representing an effective vision of modernisation.

- A key concept within the design is one of creating varying scales of identity for the user: network identity, station identity and line identity.
- Building upon the arch within Islamic architecture, the ‘vault’ in the design represents a new bridge between Qatar’s historic culture and its future as a beacon of innovation and prosperity.

Project Information

Complete railway system, consisting of four metro lines with approximately 80 stations. The first phase of metro line construction will consist of 33 stations.

Client

Qatar Railways Company

Contribution UNStudio

Concept Design through Realisation

Project Team

Structure, MEP: RHDHV
 Facade Engineering: Inhabit
 Lighting Engineering: a.g Licht
 Wayfinding: Mijksenaar
 Passenger Flow Analysis: MIC
 Project Management: Davis Langdon
 Fire and Life Safety: AECOM

Status

Under construction 2019

Blagoveshchensk Cable Car





Blagoveshchensk Cable Car

Blagoveshchensk, Russia, 2018 - 2023

The location of the terminal exhibits the historic connections across the Amur River, curating the dual visual relation between Blagoveshchensk and Heihe. First by creating an elevated viewing platform over the Amur towards Heihe, and second by framing the view from the arrival platform of the cable car back towards the city of Blagoveshchensk.

- The natural stepping of the Blagoveshchensk Terminal to connect to the higher platform presents the perfect opportunity to create an Urban Tribune: a new shared urban space that connects the terminal to the existing Blagoveshchensk Cultural Centre on the other side of the esplanade.
- This newly proposed square forms a cultural focal point for Blagoveshchensk, connecting the city to the river and upgrading the city with a new space for events and performances.
- The terminal building is shaped as an open and welcoming gesture, allowing visitors to enjoy commercial spaces in one connected movement, with a clear navigational direction towards the departure platforms.

Project Information

Cable Car and Stations for Transportation, Commercial and Cultural use

Client

Z Development

Contribution UNStudio

Design

Scale

Gross Floor Area 26,316 m²

Status

Winning competition entry 2018



Erasmus Bridge

Rotterdam, The Netherlands, 1990 - 1996

Constructed to facilitate the orchestration of traffic flows, the Erasmus Bridge design is inspired by, and in turn reflects, the industrial character of Rotterdam, adding to the narrative of the city. The bridge operates as the last crossing point between the northern and southern areas of the city. All details of the bridge have been treated integrally, from the five differently shaped concrete piers, to the railings, the landings and the joints of concrete and steel. The finish of each part is of crucial importance to the materialisation of the whole.

- The 139-metre-tall pylon of the Erasmus Bridge is a point of orientation for and connected with the 'Kop van Zuid' area of Rotterdam.
- The asymmetric form, with its bracket construction in sky-coloured steel and its long cables, conveys the 'mobile forces', that is to say, the multitude of public, urban, constructive and architectural considerations that form the basis of the bridge.

Project Information

Single pylon bridge, Spido grand café, multi-functional space, Spido office, parking for 330 cars, new design for existing Willemsplein

Client

Ontwikkelingsbedrijf Rotterdam

Contribution UNStudio

Concept Design through Realisation

Project Team

Engineering: Ingenieursbureau Gemeentewerken
Contractor Steel Works: Grootint
Contractor Concrete Works: MBG/CFE

Scale

Length	802 m
Pylon Height	139 m
Surface	50,000 m ²

Status

Completed 1996



Kutaisi International Airport

Kutaisi, Georgia, 2011 - 2013 / 2017 - 2020

Since its opening, UNStudio's design for Kutaisi International Airport has grown from accommodating 12,915 passengers in 2012 to over 300,000 in 2016. With an expected 2020 footfall of 1,000,000 passengers, UNStudio's expansion of the intermodal airport aims to ensure a user-oriented experience where the health and comfort of every passenger is accommodated through architecture and spatial design. The design for the newly extended terminal takes advantage of the linearity of its composition, as well as introducing a sense of place through the strong topological variation that references the beautiful Caucasus Mountains which can be seen on the horizon.

- The architecture of the terminal refers to a pavilion; a gateway, in which a clear structural layout creates an all encompassing and protective volume.
- The volume is structured around a central exterior space which is used for departing passengers.
- The transparent space around this central point is designed to ensure that flows of passengers are smooth and that departure and arrival flows do not coincide.

Project Information

International Airport Terminal, Air Traffic Control Tower and Offices for Navigation

Client

Terminal: United Airports of Georgia LLC
Air Traffic Control Tower and Offices: SAKAERONAVIGATSIA Ltd.

Contribution UNStudio

Design through Realisation

Project Team

Structural Consultant: MTM kft.
MEP Consultant: SMG-SISU
Landscape: OR else
Structural Expertise, Airport Planning, Sustainability: Arup
Lighting: Primo Exposures
Terminal Advisor on Interior, Art: Inside Outside / Petra Blaisse
Local Architect: Studio ARCI
Acoustics: SCENA akoestisch adviseurs
Wind Testing: Peutz
Cost Management: Davis Langdon

Scale

Terminal Area	4,200 m ²
Control Tower / Office	1,750 m ²
Site	11,000 m ²
Control Tower Height	55 m

Selected Awards

2013 European Steel Award

Status

Completed 2013 / Expansion In Progress 2020



Gothenburg Cable Car

Gothenburg, Sweden, 2018 - 2021

For the people and the City of Gothenburg, the cable car will provide an alternative form of public transport by way of aerial shortcuts across the RiverCity. Travel times will be significantly reduced with minimal environmental impact, while an efficient and direct connection will be established between areas north of the river and the old city to the south.

- The innovative structural concept of the towers enables them to be positioned and adapted to blend into the various urban situations at ground level.
- The open tower structure will avoid casting heavy shadows and will ensure a pleasant wind climate at the towers' base.
- The stations are not only designed around principles of natural wayfinding and social safety, but also with a strong identity in mind that will make them clearly recognisable as destination points within the city.

Project Information

Cable car facilities integrated into public transport system consisting of four stations and six towers

Client

The City of Gothenburg Traffic and Public Transport Authority in collaboration with the City Planning Authority, Västtrafik AB and Architects Sweden

Contribution UNStudio

Design

Project Team

Structure, Engineering: Knippers Helbig
Lighting: Licht&Soehne

Scale

Approximate Length 3 km

Status

Winning competition entry 2018



IJbaan Cable Car

Amsterdam, The Netherlands, 2017 - 2025

UNStudio has completed designs for the IJbaan: Amsterdam's future cable car, commissioned by the IJbaan Foundation (Stichting IJbaan). The IJbaan is a grassroots 'Amsterdammer' citizens' initiative, snowballing from a crowdfunding campaign led by Bas Dekker and Willem Wessels in 2015 and now supported by the Municipality of Amsterdam. Its goal is to create a new connection across the IJ by the 750th anniversary of Amsterdam in 2025.

- The one and a half kilometer cable car line is a clean and quick public transport connection between two growing residential areas: Amsterdam-West and Amsterdam-Noord / NDSM.
- The design consists of three slender pylons and two stations: NDSM Marina on the north bank and Minervahaven to the south.
- The cable car will take 4.6 minutes to complete a full journey at an average speed of 21.6 kilometers per hour. The passenger cabins have a capacity of 32 to 37 passengers, with additional bicycle cabins with space for 4 to 6 bikes.

Project Information

Cable car over the River IJ

Client

Stichting IJbaan

Project Team

Adviser: Arcadis

Visualisation: Plompzoes

Scale

Pillar Height 46 m, 105 m, 136 m

Status

Sketch Design 2017



New Budapest Bridge

Budapest, Hungary, 2018 - 2025

Conceived as a gateway between Ujbuda and Csepel, UNStudio's New Budapest Bridge proposal seeks to place, within the Budapest landscape, a new landmark bridge that is contemporary in design, innovative in structural form and is directly connected to the urban DNA of its location, its future development and its nascent landscape.

- Through a careful study of context and proportion, structural optimisation, accommodation of existing constraints and the future vision of Budapest, the bridge is designed with an urban experience in mind that operates not only with sustainable transportation between Ujbuda and Csepel but also as a clear gateway to the city.
- UNStudio's study included landscape, urban planning and Budapest's future vision and concluded with a 450-metre-long crossing accommodating pedestrians, cyclists, trams and cars.

Project Information

Pedestrian, bicycle, tram and vehicle bridge

Client

KKBK Kiemelt Kormányzati Beruházások Központja Nonprofit Zrt. (KKBK Centre of Key Government Investments Nonprofit Plc.)

Project Team

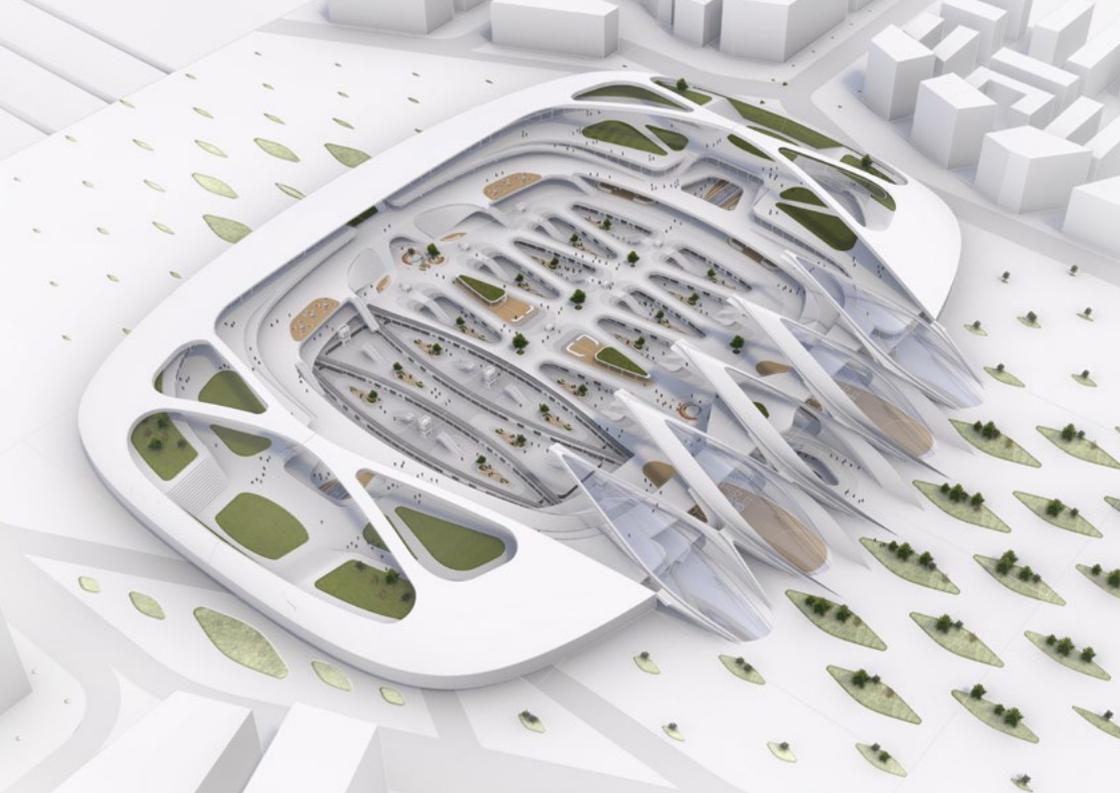
Engineering: BuroHappold
Visualisation: VA Render

Scale

Length over Water	450 m
Length including Landside	800 m
Main Span	220 m
Pylon Height	90 m

Status

Winning competition entry 2018



Hardt Hyperloop

Design at Amsterdam, imagined across Europe, 2018

Hyperloop is a revolutionary public transport mode for the future which is set to provide a sustainable and efficient alternative to the current modes of transport. UNStudio's Futures Team was invited to join the Hardt Hyperloop Implementation Programme in order to create a vision for the urban integration of the hyperloop in cities and towns of different sizes and in different locations.

- Commitment to connected modularity is at the core of the hyperloop system and also forms the basis of UNStudio's vision for the hyperloop stations.
- From platforms to functional spaces and to the roof which extends out over the transfer hubs, a modular design framework organises and connects all parts.
- It will be the first ever 100% electric transport system that can safely transport a high volume of passengers from city to city at unprecedented speeds and journey times.
- Hyperloop stations can also act as a batteries for solar energy produced, not only by the station itself, but also along the network.

Project Information

Hyperloop stations of the future, urban integration of Hyperloop for infrastructure and mobility

Client

Hardt Hyperloop

Contribution UNStudio

Design

Status

Design 2018



Office & Commercial



Raffles City Hangzhou



Raffles City Hangzhou

Hangzhou, China, 2008 - 2017

The site for Raffles City Hangzhou is located in the centre of the Qianjiang New Town area, in close proximity to the cultural and commercial axes of the city, generating a unique potential. Along with the developmental momentum of the entire masterplan, there is an unprecedented opportunity for the project to further Hangzhou's recognition as an outstanding destination city, including the incorporation and enrichment of existing urban and landscape qualities.

- The keys to the urban design approach are to capitalize on the site's strategic placement and to analyse the development with a mixed-use concept.
- The project enjoys a high degree of visibility from the rest of the city, which gives it excellent potential to become a landmark and icon.
- The incorporation of natural ventilation principles and the ways in which materials are employed work in accordance with one another to lower the energy and material demands of the building.

Project Information

Office, hotel, residential, retail and underground parking

Client

Capitaland (China) Investment Co. Ltd

Contribution UNStudio

Concept Design through Realisation

Project Team

Local Design Institute: China United Engineering Corporation
 Structure, Mechanical Engineering, Fire Engineering, LEED: Arup
 Facade Design Services: Meinhardt Facade Technology
 Transport: MVA Transport Consultancy

Scale

Gross Floor Area	285,000 m ²
Retail	100,000 m ²
Office	80,000 m ²
Hotel	40,000 m ²
Strata	ca. 43,000 m ²
Service	ca. 20,000 m ²
Height	250 m

Selected Awards

2019 FIABCI World Prix d'Excellence Awards, World Gold Winner, Retail
 2019 CTBUH Annual Awards, MEP Engineering Award of Excellence

Status

Completed 2017



Booking.com Campus, Amsterdam



Booking.com Campus

Amsterdam, The Netherlands, 2015 - 2021

The tip of Oosterdokseiland in Amsterdam will be a lively environment where people can meet, inspire, live, work and play. The developer BPD will complete the realisation of this area. Spanning 225,000m², Oosterdokseiland is one of the largest urban projects in Western Europe.

- The development of the area started over fifteen years ago, and the area should be in use by 2021.
- Oosterdokseiland will be an inspiring mix of living, working, studying, recreation and entertainment for residents and visitors to Amsterdam.
- Our design for this 72,500m² campus project includes public spaces, apartments and sustainable office space for 4,000 Booking.com employees.

Project Information

Booking.com campus, public facilities and apartments

Client

BPD

Contribution UNStudio

Concept Design through Realisation

Project Team

Master Planning: Erick van Egeraat
Interior Design: Hofman Dujardin
Lighting Design Consultant: a.g Licht
Structural Engineer: Aronsohn
BIM Manager: B+M
Building Physics, Acoustic and Fire Life Safety Consultant: DPA
Facade Consultant: IBS
Cost and Quantity Surveying: IGG
MEP Contractor: IOC
MEP and Vertical Transportation Consultant: Techniplan

Scale

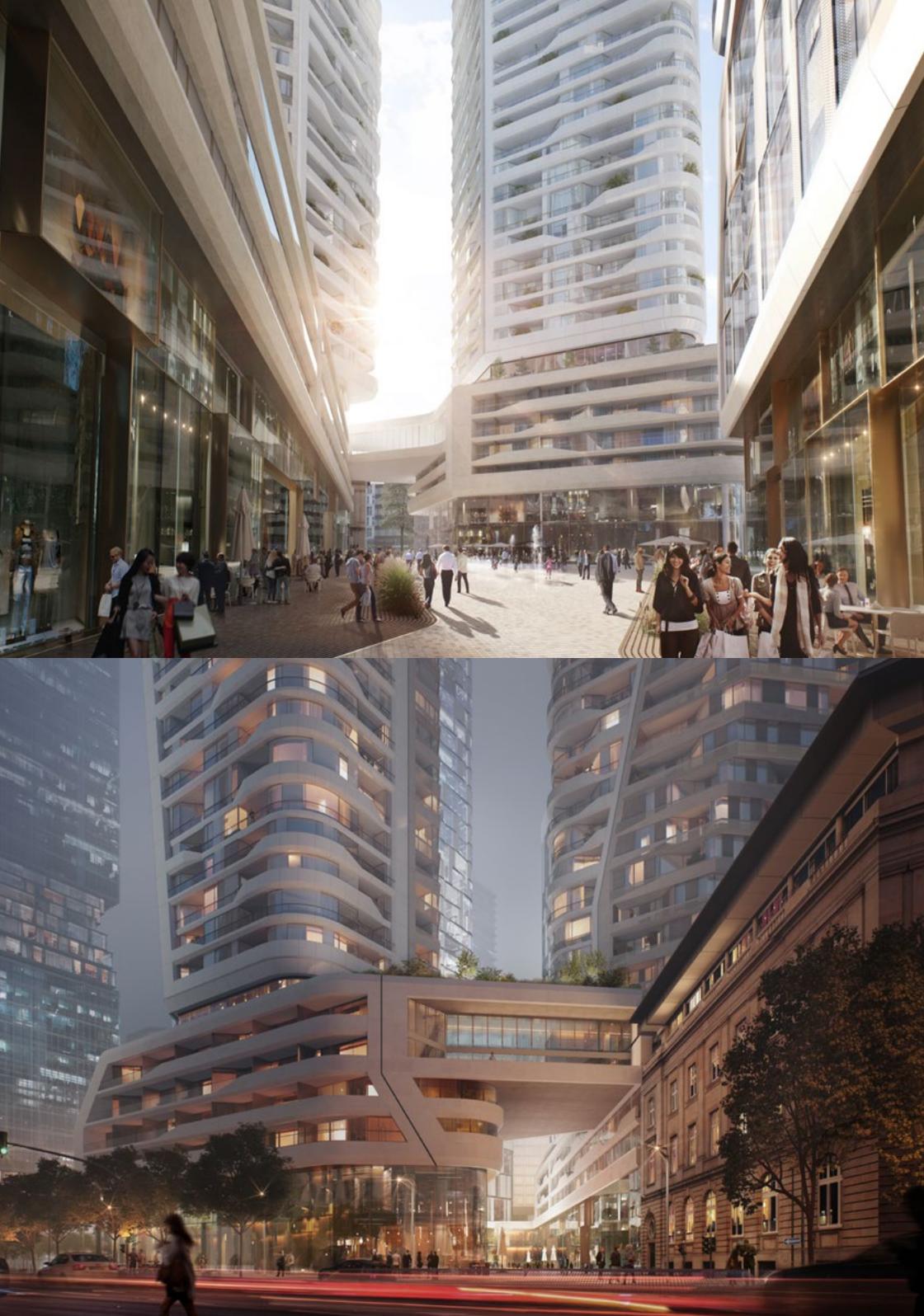
Gross Floor Area 72,500 m²

Status

Under Construction 2021



FOUR Frankfurt



FOUR Frankfurt

Frankfurt, Germany, 2015 - 2023

Comprising four high-rise towers with a multi-storey plinth and housing mixed-use programmes, large public spaces and incorporated subsidised housing, UNStudio's design will create a 'City for All' in the heart of Frankfurt. The competition brief was to create a mixed-use, urban city quarter consisting of four high-rise towers and a multi-storey plinth. The four towers, which will be up to 228 meters high, will redefine the Frankfurt skyline.

- At least 3,000 people are expected to work in the new neighbourhood, while about 1,000 people will live there.
- Apart from apartments and offices, the complex will also include catering, retail, hotels, local shops, a children's playground and adventure areas.
- The opening-up of the city quarter ensures a new network of the inner city routes between the banking district, the Rossmarkt, the Kaiserplatz and the Goethestraße shopping area as far as the Old Opera House.

Project Information

Offices, hotels, residential, retail, commercial, services, kindergarten

Client

G & P Erste Management GmbH

Contribution UNStudio

Concept Design through Realisation

Project Team

Joint Venture Partner: HPP Architekten
 Structural Engineer: ARGE Tragwerk FOUR WSF and B+G Ingenieure
 Electrical Engineer: TP Elektro Plan
 Energy: Lemon Consult
 Elevator Planning: Japsen Ingenieure
 Facade Consultant: Emmer Pfenniger Partner
 Fire Safety: hhpberlin Ingenieure fuer randschutz
 Building Physics, Acoustics: ITA
 Traffic: Schuessler-Plan
 Land Survey: B+K, Wittig+Kirchner
 Demolition: Itus
 BIM Management: Digitales Bauen
 Lighting: Bartenbach Lighting Design, Aldrans

Scale

Gross Floor Area	219,000 m ²
Site	16,100 m ²

Status

Under Construction 2023



Singapore University of Technology and Design



Singapore University of Technology and Design

Singapore, 2010 - 2015

The Singapore University of Technology and Design offers four key academic pillars: Architecture and Sustainable Design, Engineering Product Development, Engineering Systems and Design and Information Systems Technology and Design. The new SUTD campus facilitates cross-disciplinary interaction between all four pillars of academia.

- The orientation and organisation of the campus is designed through two main axes; the living and learning spines which overlap to create a central point, binding together all corners of the SUTD.
- The sustainable design for the SUTD campus achieved the highest Green Mark rating (platinum) available in Singapore.
- A structural grid has been developed which allows for adaptability of the user's needs. For example, classrooms can 'morph' into dry labs and labs into offices.
- Facade planters, green roof terraces and numerous green pockets planted with native trees and flowering plants provide outdoor connective spaces.

Project Information

University campus, with research and teaching rooms and labs, international design centre, auditorium, library, offices, and food courts

Client

Singapore University of Technology and Design

Contribution UNStudio

Concept Design through Realisation

Project Team

Local Architect: DP Architects
 Project Management: PM Link
 Civil and Structural Engineering: Parsons Brinckerhoff
 M&E, Q&S: CPG Consultants
 Landscape: Surbana
 International Consultants
 Facade: Arup
 Acoustics: Acvicon Acoustics
 Consultants
 Lighting: Lighting Planners
 Associates (S)

Scale

GFA	106,063 m ²
Site	82,690 m ²

Selected Awards

2016 Singapore Good Design Mark – Gold

Status

Phase 1 Completed 2015



Executive Education Agency & Tax Offices

Groningen, The Netherlands, 2006 - 2011

The government building offers space for 2,500 employees and underground parking facilities. The public gardens, central hall and pavilion for commercial functions further facilitate the interaction between the user groups, as well as those living nearby. The complete design, down to the facade details, location of the terraces and rounded corners, is optimised to guarantee minimum disruption of the surrounding microclimate. The building received a BREEAM-NL 'Excellent' certificate.

- Besides architectural design, the commission includes the management, building maintenance and care of facilities and services for a period of 20 years under a DBFMO contract.
- The project is one of Europe's most sustainable large office buildings and shows an all-round understanding of the concept of sustainability, including energy and material consumption, as well as social and environmental factors.

Project Information

Offices, parking, pavilion and landscape

Client

Rijksgebouwendienst

Contribution UNStudio

Concept Design through Realisation

Project Team

Interior Architect: Studio Paul Linse

Internal Logistics: YNNO

Landscape: Lodewijk Baljon

Engineering: Arup

Scale

GFA 47,000 m²

Tower Height 92 m

Selected Awards

2011 Bentley be inspired Award

2010 Public Architecture Prize

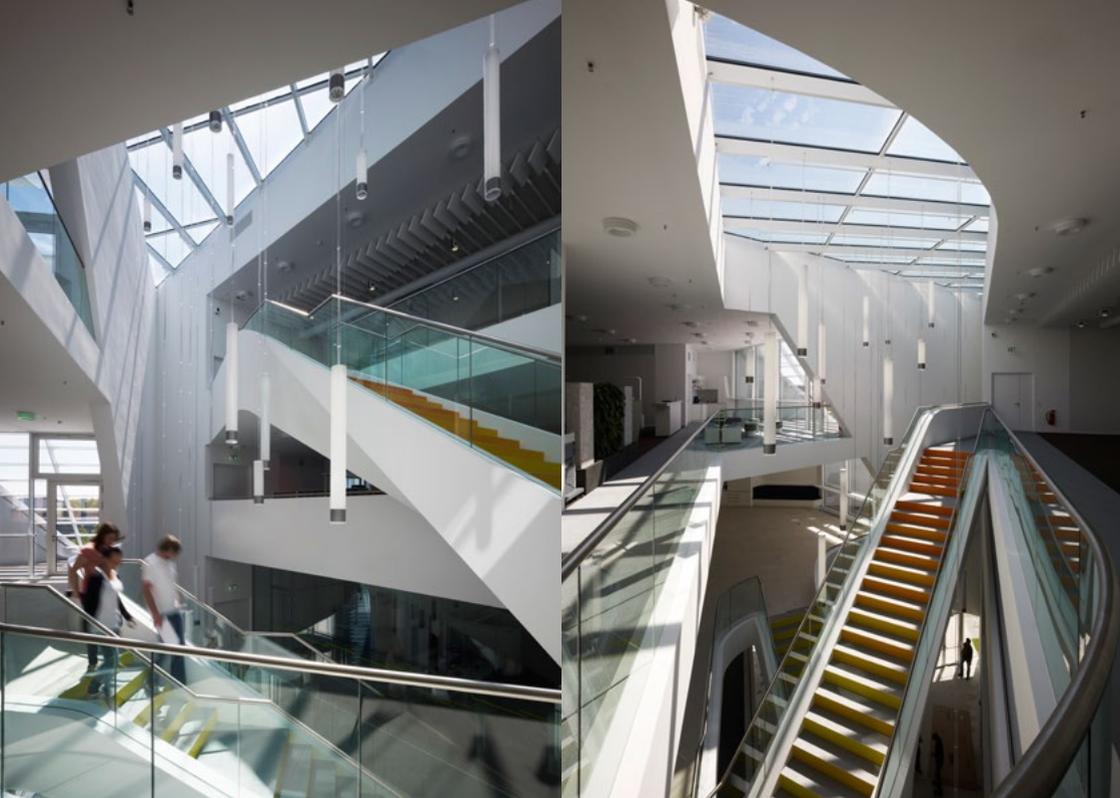
2009 Nederlandse Bouwprijs

voor Integraal ontwerpen en

bouwen

Status

Completed 2014



Centre for Virtual Engineering (ZVE)

Fraunhofer Institute, Stuttgart, Germany, 2006 - 2012

The ZVE (Zentrum für Virtuelles Engineering) is located at the Fraunhofer Institute research campus in Vaihingen. The design comprises an open and innovative technical structure that takes into account the historical identity of the Fraunhofer Institute. As a result of its integral approach to sustainability, the Centre for Virtual Engineering (ZVE) building has been awarded a Gold certification by the DGNB (German Sustainable Building Council).

- Communal research platforms are allocated around a central void to facilitate a flexible collaboration between different research departments and interaction between colleagues.
- Colour is used both in the facade and interior to distinguish the various programmatic elements, such as offices or laboratories. On the stairs a gradient is used to further aid in wayfinding.

Project information

Research laboratory and offices, with scenographic visitor routing

Client

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

Contribution UNStudio

Design through Realisation in collaboration with ASPlan

Project Team

Structural Engineering: BKSI
 Mechanical Engineering: Rentschler und Riedesser
 Electrical Engineering: IB Müller & Bleher
 Landscape: Ganssle + Hehr
 Acoustics, Energy, Building Simulation: Brussau Bauphysik
 Fire Safety Advisor: Halfkann + Kirchner
 Topographical Survey: Vermessung Hils
 Geological Survey: Dr. Alexander Szichta
 DGNB: KOP Real Estate Solutions
 Visualisation: IDF Global

Scale

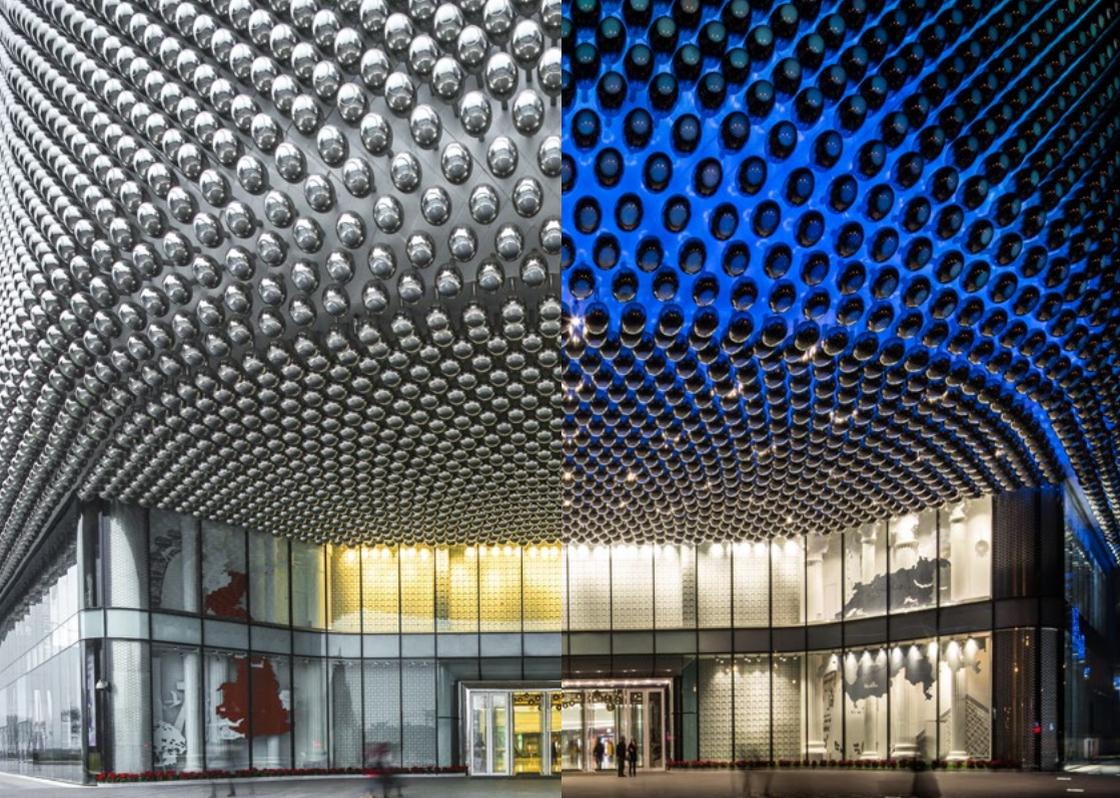
GFA	6,259 m ²
Site	3,100 m ²

Selected Awards

2014 Hugo-Häring-Auszeichnung
 2012 Europäischer Architekturpreis Energie + Architektur – Recognition

Status

Completed 2012



Hanjie Wanda Square

Wuhan, China, 2011 - 2013

Hanjie Wanda Square is a luxury shopping plaza which houses international luxury brand stores, boutiques, catering outlets and cinemas. The core concept, a synergy of flows, is key to all of the design components. The fluid building envelope, the facade lighting and its content design, the public landscape surrounding the building and the interior pattern language which guides customers from the central atria to the upper levels and throughout the building via linking corridors.

- The two facade materials, alabaster and stainless steel, are crafted into nine differently shaped spheres, placed to recreate the effect of movement and reflection in water, or the sensuous folds of silk fabric.
- Various possibilities to combine and control the facade lighting allow diverse effects and programming of lighting sequences related to the use and activation of the Hanjie Wanda Square.
- With two main entrances, the north atrium is recognised as a main venue hall, and the south atrium as a more intimate venue hall.

Project Information

Luxury shopping plaza with boutiques, catering outlets and cinemas

Client

Wuhan Wanda East Lake Real Estate Co., Ltd

Contribution UNStudio

Facade and Interior Design

Project Team

Funnel Structure, Facade: Arup
Facade Lighting: a.g Licht with LightLife
Local Architect: Central South Architectural Design Institute
Facade: Beijing JinXinZhuoHong Facade Engineering Company
Interior Design: Beijing Qing Shang Architectural Design Engineering
Lighting: BIAD Zheng Jian Wei lighting design studio
Landscape: Ecoland

Scale

GFA	22,630 m ²
Site	30,500 m ²

Selected Awards

2014 IALD Award of Excellence

Status

Completed 2013



Lane 189

Shanghai, China, 2013 - 2017

Lane 189, located in the Putuo district in central Shanghai is designed to provide a lifestyle destination for Shanghai's young professionals. Lane 189 combines retail, restaurant and office spaces in an organisation that rearranges the typical mall into a vertical city centre that provides opportunities for shopping, strolling, eating, gathering and resting.

- The design incorporates elements of 'old Shanghai' through geometry, pattern and materialisation and combines these with a contemporary urban experience.
- Inside, street life qualities are mixed with lifestyle retail features distributed throughout the building to enable the facade to show the interior qualities of the mall.
- The organisation of the building encourages the visitor to stroll through and explore the different levels of the complex.

Project Information

Retail, restaurants and cafés

Client

CITIC Capital

Contribution UNStudio

Design

Project Team

Facade: Inhabit

Lighting: a.g Licht, LEOX Design

Landscape: TJAD

Scale

GFA 37,698 m²

Site 6,157 m²

Selected Awards

2019 Aesthetics Vogue Awards
- High Commercial Value Merit Award

2018 Grand World Prize Prix
Versailles

2017 MIPIM Asia, Best Retail
Development Award

2017 Shanghai Exploration
& Design Trade Association,
Excellent Engineering Design,
3rd Prize

Status

Completed 2017



Karle Town Centre

Bangalore, India, 2016 - 2025

UNStudio proposes a Community Oriented Urban Design, supported by a mix of functions and programmatic typologies that stimulate activity on the site throughout the day and evening. UNStudio aims to avoid the lengthy construction and development phasing by turning each building and plot into its own thriving urban microcosm. It combines a spectrum of urban lifestyles to achieve this effect.

- Karle Town Centre is driven functionally by business and commerce, while providing an inviting and inspiring environment for working, living and entertainment for residents, employees and visitors alike.
- UNStudio's design aims to enhance the quality of urban life for Karle Town Centre's daily occupants and residents, while preserving and enhancing the green character of Bangalore.
- The design prioritizes the public realm through the lake front promenade, providing adequate streetscape and avenue vegetation, implementing semi-public vegetative sky gardens throughout the architecture, and promoting an integrated design of all urban elements.

Project Information

Mixed-use/High-end residential

Client

Karle Infra

Contribution UNStudio

Design

Project Team

Landscape: BALJON Landscape

Architects

Infrastructure Master Planning:

Aurecon

Masterplan consultant: Ross

Bonthorne

Scale

GFA 930,000-1,200,000 m²

Site 25 Hectares

Status

Under construction 2025



Hanwha Headquarters Remodeling

Seoul, South Korea, 2013 - 2019

Several important variables were required to be incorporated into the redesign for the Hanwha's headquarters building, most essentially the surroundings, nature and the environment. UNStudio's concept for the project resulted in the design of a responsive facade which prioritises and integrates groups of key parameters: programme (exterior and interior), indoor climate and environmental considerations.

- The aim of the design is to achieve an effect of variety, irregularity and intricacy throughout the complete facade. This is approached by combining a system of multi-scaled elements in a simple fashion.
- By varying the placement of the facade panels, a variety of programme-related openings are created.
- The concept for the animated facade lighting, which is activated in the evening hours, responds to the media activities on Hanbit Avenue.

Project Information

Remodeling of the facade, the interior of the common spaces, lobbies, meeting levels, auditorium, and executive areas, and redesign of the landscape

Client

Hanwha Life

Contribution UNStudio

Design and Schematic Design

Project Team

Landscape Consultant and Designer: Loos van Vliet
 Facade and Sustainability Consultant: ARUP
 Lighting Consultant Interior and Facade: AG Licht

Scale

GFA	57,696 m ²
Site	15,333 m ²

Status

Completed 2019



Southbank by Beulah

Southbank - 118 City Road, Melbourne, Australia, 2018 - 2024

Our design proposal for Southbank by Beulah aims to establish a new destination for the Southbank area and Melbourne. The project is integrally organised by one Big Detail: a ‘Green Spine’ of vertically networked platforms, terraces and verandas.

- This multifaceted spine is created by the splitting open of the potential single mass at its core, thereby forming two separate high rise structures and causing them to reveal the almost geological strata of their core layers as they rise above a light-filled canyon.
- The design proposes a mixed-use building that is a city in itself. A host of programmes, including recreation, retail, offices, residential, hotel and exhibition spaces are integrated into the vertically stepped public infrastructure – an infrastructure that is formed by indoor-outdoor spatial frames that embed nature, public space and culture.
- On a local level the aim of the design is to provide porousness at street level, whilst simultaneously connecting the upper floors with the streetscape by expanding the public realm.

Project Information

Mixed-use including Residential, Retail & Food Precinct, Hotel, Cultural Integration, Entertainment, BMW Experience Center, Public Green Space, Discovery Spaces, Offices, Childcare facilities

Client

Beulah International

Contribution UNStudio

Design

Project Team

Executive Architect: COX
 Cultural Placemaking: Futurecity
 Lead Artist: Studio Drift
 Sustainability & Well-being: Atelier Ten
 Landscape: Grant Associates
 Traffic & Accessibility: GTA Consultants
 Engineering: Arup Melbourne
 Visualisations: Norm Li

Scale

GFA	253,485 m ²
Site	6,191 m ²

Status

Winning competition entry 2018

UNS
UNSTUDIO

Residential



Canaletto



Canaletto

London, United Kingdom, 2011 - 2017

Canaletto is a 31-storey residential tower in the Canal Basin district of London. The project is poised to become a landmark building in the redevelopment of this emerging neighbourhood. Contrary to a more corporate glass box that looks and feels like an office building, the scale and detail of the building provides a feeling of arriving home in the community.

- The scheme creates richly modelled elevations that group clusters of adjacent floors which reflect a network of communities within the building.
- Contrasting materials are employed within each grouping, where the 'outer' smooth metallic element is complemented by an 'inner' use of textured materials.
- The articulation of the facade will reduce wind down drafts and, in combination with canopy proposals at the base of the building, improve the pedestrian microclimate.

Project Information

31-storey residential tower with 190 units, spa, swimming pool, gym, cinema, residents' lounge, restaurant, café, amenity shop, rooftop terrace

Client

Orion City Road Trustee LTD

Contribution UNStudio

Concept Design through Realisation

Project Team

Executive Architect: Axis Architects
Engineering: URS
Building Services: Hoare Lea
Landscape: Churchman Landscape

Scale

GFA	21,907 m ²
Height	97 m

Selected Awards

2018 Architizer A+ Awards, Multi Unit Housing, High Rise
2014 International Property Awards 1st Prize – Best Residential High Rise Architecture
2013 International Design Awards – Gold

Status

Completed 2017



Le Toison d'Or



Le Toison d'Or

Brussels, Belgium, 2009 - 2016

Situated at the crossroads of two municipalities, Le Toison d'Or forms an important transition point in its area of the city. The area enjoys an international feel, distinguished by luxury boutiques and the distinct Haussmannian character of the avenue. Essential to the design was the connection to the existing buildings and the promotion of the atmosphere of the surrounding neighbourhoods. Sustainability was key from the outset of the design process, resulting in a BREEAM Excellent residential certification.

- The duality of the programme (retail and apartments) is translated into the facade design by means of V-shaped portals which act as a visual link between the two functions.
- The typology for the building is a hybridisation of a traditional building-block typology (with street entrances) and a mixed-use development with a retail podium.
- Below the apartments, the building houses retailers Zara and Apple.

Project Information

Mixed-use, high-end retail and residential with daycare and public and private parking

Client

TD IMMO Invest bvba p/a
Prowinko

Contribution UNStudio

Design to Construction
Supervision, Interior Design
of Communal Spaces and
Penthouse

Project Team

Local Architect: Jaspers-Eyers
Architects
Local Project Leader Realisation
Phase: Wesley Lanckriet, U/
Define Architects
Structural Engineer: ABCIS Van
Wetter
Landscape: Lodewijk Baljon,
Atelier Ruimtelijk Advies
Installations: Techniplan
adviseurs, TDEC
Building Physics, Sustainability:
DGMR
Cost Calculation: BBN adviseurs,
Widnell Europe
Fire Safety: Fire Protection
Consultants
Quality Control: SECO

Scale

GFA 46,000 m²
Site ca. 5,800 m²

Status

Completed 2016



The Scotts Tower

Singapore, 2010 - 2018

The concept of The Scotts Tower is that of a vertical city incorporating a variety of residence types and scales. In addition, outdoor green areas in the form of sky terraces, penthouse roof gardens and individual terraces form an important element of the design. The vertical city concept is interpreted on three scales: the tower represents the city, whilst individual neighbourhoods are created by means of the vertical clustering of residence types. The diverse residential units form individual homes within the city.

- The Scotts Tower is a high-end residential tower situated in a prime location in Singapore.
- Close to the Orchard Road luxury shopping district, the tower has views encompassing both nearby parkland and Singapore's panoramic cityscape.
- The design of the tower embraces both the neighbourhood principle and the history of the city of Singapore.

Project Information

High-end residential tower

Client

Far East Organisation

Contribution UNStudio

Concept Design through
Aesthetic Construction
Supervision

Project team

Local Architect: Ong & Ong
Landscape: Sitetectonix
Structural Engineer: KTP
Consultants
Mechanical Engineer: United
Project Consultants
Interior Design: Creative Mind
Design
Visualisation: rendertaxi

Scale

GFA	18,500 m ²
Units	231
Height	153 m

Selected Awards

2019 ABB LEAF Awards – Best
Residential Building Project,
Multiple Occupancy Shortlist
2018 MIPIM Asia Best
Residential Building

Status

Completed 2018



Ardmore Residence

Ardmore Park, Singapore, 2006 - 2013

Located in Singapore's prestigious residential neighbourhood that is minutes from Orchard Road, the Ardmore Residence embodies the idea of a 'living landscape'. This living landscape means floor, wall, construction and furnishings all integrally perform as a kind of amalgam between the different functional spaces and enable connection and seclusion for the inhabitants of each dwelling.

- Formerly purely functional spaces are redefined and extended into the living landscape concept, offering the possibility for versatile functionality for the occupants.
- The facade of the Ardmore Residence is derived from micro-design features which interweave structural elements, such as bay windows and balconies into one continuous line.
- The floor plan of the 58 apartments is designed to capture the warm glow of daylight and offer panoramic views of the lush surroundings and city skyline.

Project Information

36-storey high-end residential tower with 58 apartments, underground parking, leisure facilities including a club house with gym, a jacuzzi, a lap pool and a children's swimming pool

Client

Pontiac Land Group

Contribution UNStudio

Concept Design through Realisation

Project Team

Executive Architect: Architects 61
Structure: Webstructures
Mechanical and Electrical Consulting Engineering: J Roger Preston
Facade Design Services: Arup

Scale

GFA	15,666 m ²
Parking	4,400 m ²
Site	5,625 m ²
Height	135.7 m

Selected Awards

2014 AIT Award, Special Mention
2013 Emporis Skyscraper Award
2013 MIA Pinnacle Award of Excellence

Status

Completed 2013



Wafra Tower

Lusail, Qatar, 2015 - 2020

The aspirational city of Lusail defines the framework for the development of the residential Wafra Tower. The design aims to extend the goals set in the elaborate Lusail Masterplan within the organisation of the tower: connectivity, healthy lifestyle, sustainable living all become formative parameters that focus on the comfort of the residents. Contemporary living emerges from the fusion of the private and the shared within one's home.

- Smart technologies have enabled the home to evolve from a place of refuge from the outside world to a point of access to the 'connected world'.
- The design creates a well-designed place where people want to live, spend time and work.
- The building capitalises on the unique setting of the Marina district and connects its inhabitants to the smart city of Lusail.

Project Information

Residential tower

Client

Wafra Real Estate

Contribution UNStudio

Schematic Design

Project Team

Schematic Design: KEO
International Consultants

Scale

GFA	24,830 m ²
Site	4,100 m ²

Selected Awards

2017 Qatar Green Building Council, Best Residential Green Building

Status

In Progress 2020



The W.I.N.D. House

Noord-Holland, The Netherlands, 2008 - 2014

The W.I.N.D. House in the north of Holland incorporates both integrated sustainable solutions and home automation, whilst enabling a flexible use of space. Located on the outskirts of a Dutch village and close to the sea, the house is backed by a wooded area and fronted by an open expanse of polder landscape. The more intimate working and sleeping areas are located towards the back, where the enclosure of the woods provides an intimate setting, while the living areas enjoy panoramic views of the polder landscape to the front.

- The vertical organisation of the building follows a centrifugal split-level principle. An open staircase at the centre of the house connects the front and back wings.
- The integrated sustainability concept includes a central air/water heat pump, mechanical ventilation with waste heat recovery and solar panels. Heat gain is reduced through the use of tinted glass on the fully glazed front and back facades.

Project Information

Single family home

Client

Undisclosed

Contribution UNStudio

Concept Design through Realisation, Landscape

Project Team

Structural Engineer: Pieters
Bouwtechniek
MEP: Ingenieursburo Linssen
Electrical and Automation:
Elektrokern Solutions
Building Physics: Mobius
Consult
Interior Design: UNStudio, Tim
Alkmaar
Lighting: Elektrokern Solutions
Special Acoustics: Hans
Koomans Studio Design
Cost Management: Basalt
bouwadvies, Studio Bouwhaven
Site Management: Studio
Bouwhaven
Tender Documents:
Adviesbureau Both

Scale

GFA	528 m ²
Site	2,350 m ²

Status

Completed 2014



Haus am Weinberg

Stuttgart, Germany, 2008 - 2011

The location of the Haus am Weinberg affords pastoral views of the stepped terraces of an ancient hillside vineyard on one side and cityscape vistas on the other. The volume and roofline of the Haus am Weinberg react and respond directly to the sloping landscape of the site, where the scales and inclinations of the slopes which sculpture the vineyard setting are reflected in the volumetric appearance of the house. The inner circulation, organisation of the views and the programme distribution of the house are determined by a single gesture, 'the twist'.

- The central twist supports the main staircase as it guides and organises the main flows through the house.
- The programme distribution follows the path of the sun: each evolution in the twist leads to moments in which views to the outside become an integral experience of the interior.

Project Information

Single family home

Client

Undisclosed

Contribution UNStudio

Concept Design through Realisation

Project Team

Construction Management: G+O
Architekten
Structural Engineering: Bollinger und Grohmann
Structural Engineering onsite: Kraft Baustatik
Electrical MEP: Aktive Partner Michael Blickle
Heating, Plumbing: Bauer & Ihle
Ventilation: Plangruppe Emhardt
Landscape: Atelier Dreiseitl
Lighting: a.g Licht

Scale

GFA	920 m ²
Site	1,280 m ²

Status

Completed 2011



wasl Tower

Dubai, United Arab Emirates, 2014 - 2020

The wasl Tower high-rise development on Sheikh Zayed Road stands as the latest iconic mixed-use project to be introduced to Dubai's skyline. The building serves as a regional benchmark for sustainability with regards to its ability to adapt to local climate. The design aesthetic revolves around 'Figures in Motion' and references the interconnectivity of Dubai's complex infrastructure.

- The location is strategic: between Downtown's Burj Khalifa and the City Walk Development on the seaside of Sheik Zayed Road.
- The design will act as the centre point connecting existing icons, attracting people from all directions and offering its prime facilities as a gift to the city.
- wasl Tower is programmed with a high-end hotel, residential apartments, offices and public functions such as restaurants and meeting/ballroom facilities.

Project Information

63-storey mixed-use high-rise, offices, top-end hotel, meeting and ballroom facilities, spa and pool facilities, high-end residential and semi-public sky lobby and rooftop lobby

Client

wasl LLC Asset Management Group

Contribution UNStudio

Architect / Lead Consultant (joint with Werner Sobek)

Project Team

Structural Engineering, Facade Engineering, Sustainability, Acoustic Engineering, MEP Engineering: Werner Sobek
 Local MEP Engineering: Seed
 Architect of Record: U+A Architects
 Lighting: Arup
 Landscape: Green4Cities
 Cost Consultant: Kulkarni
 Quantity Surveyors
 FLS Consultant: AECOM
 Vertical Transportation: Dunbar & Boardman / TUV Sud
 AV/IT Consultant: Shen Milson Wilke
 Kitchen Consultant: Sefon Horn Winch
 Pool Engineering: Barr & Wray
 Interior Design Hotel: GA Design
 Interior Design F&B: AB Concept

Scale

GFA	104,000 m ²
Height	63 storeys

Status

Under Construction 2020



Collector's Loft

New York, United States, 2007 - 2010

The design for an existing loft located in Lower Manhattan explores the interaction between a gallery and living space. The main walls flow through the space, creating hybrid conditions in which exhibition areas merge into living areas; an exhibition wall blends into library shelves on one side and a display case on the other.

- Gently flowing curved walls were introduced to virtually divide the main space into proportionally balanced spaces. This created zones of comfortable proportions for domestic use, while simultaneously generating a large amount of wall space for the display of art.
- By interchanging between luminous and opaque, the ceiling creates a field of ambient and local lighting conditions, forming an organisational element in the exhibition and the living areas.

Project Information

Loft renovation including apartment and private gallery

Client

Confidential

Contribution UNStudio

Concept Design through Realisation

Project Team

Executive Architect: Franke, Gottsegen & Cox Architects
 Structural Engineering: Wayman C. Wing Consulting Engineers
 MEP: P.A. Collins PE Consulting Engineers
 Lighting: Renfro Design Group

Scale

GFA 550 m²

Selected Awards

28th International Lighting Design Award

Status

Completed 2010



V on Shenton

Singapore, 2010 - 2018

In the heart of Singapore's Central Business District, the new UIC redevelopment, V on Shenton, signifies the business and architectural strength of Singapore. The dual programming of office and residential is a unique situation in this area and the massing of the towers is designed to reflect this. The basic shape of the hexagon is used to create patterns which increase the performance of the facades, with angles and shading devices that are responsive to the climatic conditions of Singapore.

- Each tower is framed by 'chamfers', forming a line that brings together the composition of the residential tower, the office tower and the plinth.
- Along with the facades, a series of sky gardens play an integral part in developing the sustainable lifestyle of the 'V on Shenton'.
- Lush green spaces provide a refuge from the city and the climate and vegetation naturally provide fresher, cleaner air.

Project Information

Mixed-use commercial and residential redevelopment

Client

UIC Investments (Properties) Pte Ltd

Contribution UNStudio

Concept Design through Construction Supervision

Project Team

Local Architect: Architects 61
Structural Engineer: DE Consultants
Quantity Surveyor: KPK Quantity Surveyors

Scale

GFA	85,507 m ²
Site	6,778 m ²
Units	510
Height	53 storeys

Status

Completed 2018



Neo: Baumkirchen Mitte

Munich, Germany, 2013 - 2020

UNStudio's design for the Baumkirchen Mitte consists of a 18,500m² residential and office complex which will become the focal point for the entrance to the Neo: Baumkirchen Mitte development in the east of Munich. Flexible accommodation types are incorporated which afford variable constellations and offer the possibility to combine adjacent units. In addition, flexible floor plans enable a variety of configurations in the apartment layouts, directly addressing the individual needs of the residents. In the design for the office tower neutral spaces, such as foyers, lobbies and meeting areas are used to establish the identity of the building.

- The design combines both zones that guarantee maximum flexibility for varying combinations of users and exclusively designed areas that provide spaces for communication and creativity.
- The facade design reflects the duality of the programme.
- Bright metal forms the background, lending the structure a contemporary and light aesthetic, whilst the contrasting use of wood affords the building the appearance of a custom-made furniture piece for the urban space.

Project Information

Offices and residential

Client

CA Immo AG and PATRIZIA Immobilien AG

Contribution UNStudio

Design

Project Team

MEP, Sustainability: Werner Sobek
Fire Strategy: hhpberlin
Landscape: OR else

Scale

GFA	18,500 m ²
Site	3,820 m ²
Office	13,000 m ²
Residential	5,500 m ²

Status

Under Construction 2020



Units

WINS
UNSTUDIO

Urban



Amsterdam Ring Road A10 Regeneration Study

Amsterdam, The Netherlands, 2016

As population growth has propelled development further outward from the city centre and along the ring road, an opportunity was identified to integrate the highway and the city in a way that generates new forms of living and improves mobility for future inhabitants. The result of the study formulates solutions that reconcile the disparate nature of the highway and the city through the injection of new programmes and amenities, alongside improved accessibility, to make the A10 and its surrounding neighbourhoods a desirable destination with a positive presence in the city.

- Envisioning how future mobility and urban development can be successfully integrated requires a new toolbox with which the building blocks of the city of tomorrow can be built. The goal of the proposal is twofold: a proposition for a new multimodal transport hub located on the intersection between Cornelis Lelylaan and the A10, and new urban developments on both sides of the A10 that link the adjacent neighbourhoods and create a unique new address in Amsterdam.
- The proposal is premised on streets and pathways that favour pedestrians, a density of people and buildings that create liveliness and a mix of uses and provision of amenities with a robust network of public spaces that allow for a strong social infrastructure and job creation opportunities.

Project Information

Mixed-use infrastructure consisting of train station, bus station, mixed-use, parking, park

Client

The Royal Institute of Dutch Architects (BNA)

Contribution UNStudio

Design through Realisation in collaboration with ASPlan

Project Team

Mobility Consultants: Goudappel Coffeng
Data Specialists: Geophy
Automated transit systems: 2getthere

Scale

GFA	750,000 m ²
Site	500,000 m ²

Status

Research In Development 2016



Xingtai Masterplan

Xingtai, China, 2019

Our proposal offers a new approach to designing cities in the future. We identify financial engines that ensure economic prosperity; we focus on users' physical, psychological and social health that is essential for the future of our communities; and we activate an ecological green/blue network that ensures that people, as well as plants and animals, can co-exist in a safe and clean environment.

- Our ambition is to brand Xingdong New Area as a place based on sustainability and resiliency principles. We focus on urban systems that ensure that Xingdong New Area will be a healthy place to live and work in.
- We design a place that puts people and nature first. We encourage the Green (nature and landscape) and the Blue (water) to overtake the Grey (buildings and infrastructure).
- The perceived understanding of the project led us to define the project through five key pillars, that later translated into spatial and programmatic parameters: Connectivity, Creativity, Cleanliness, Community and Cleverness – the five C's.

Project Information

Regeneration of the Xingdong New Area

Client

Urban Environment Design (UED) Magazine

Contribution UNStudio

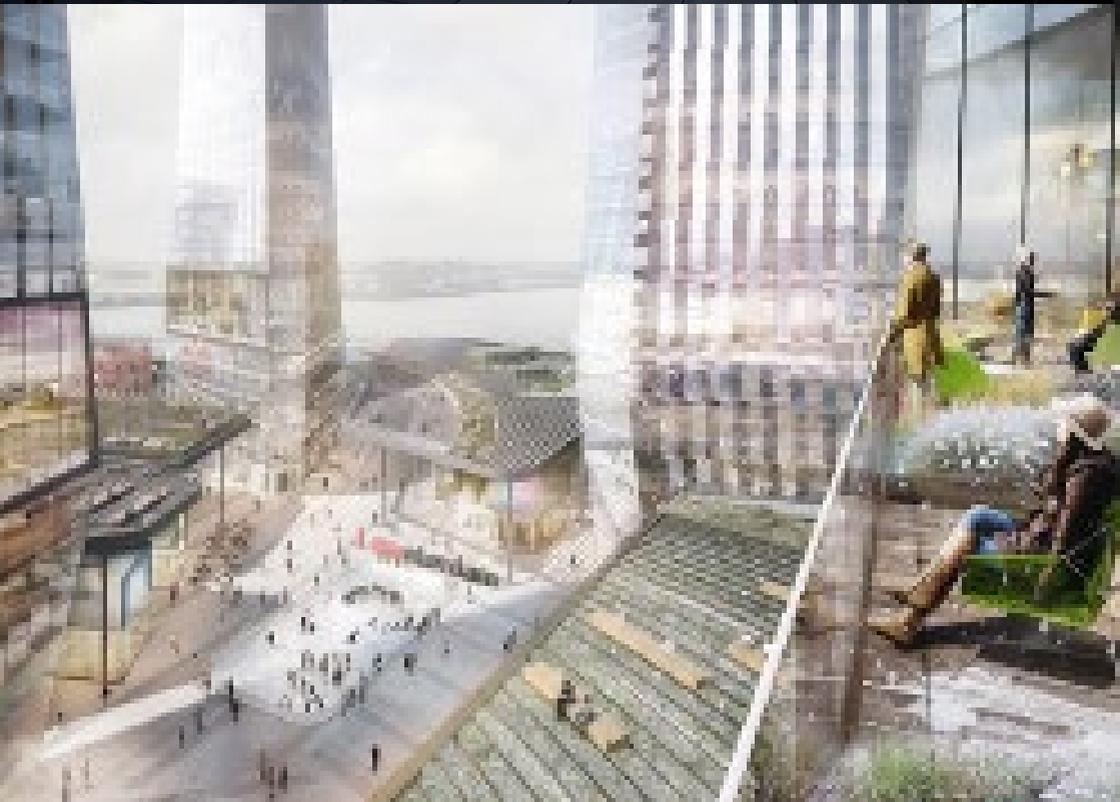
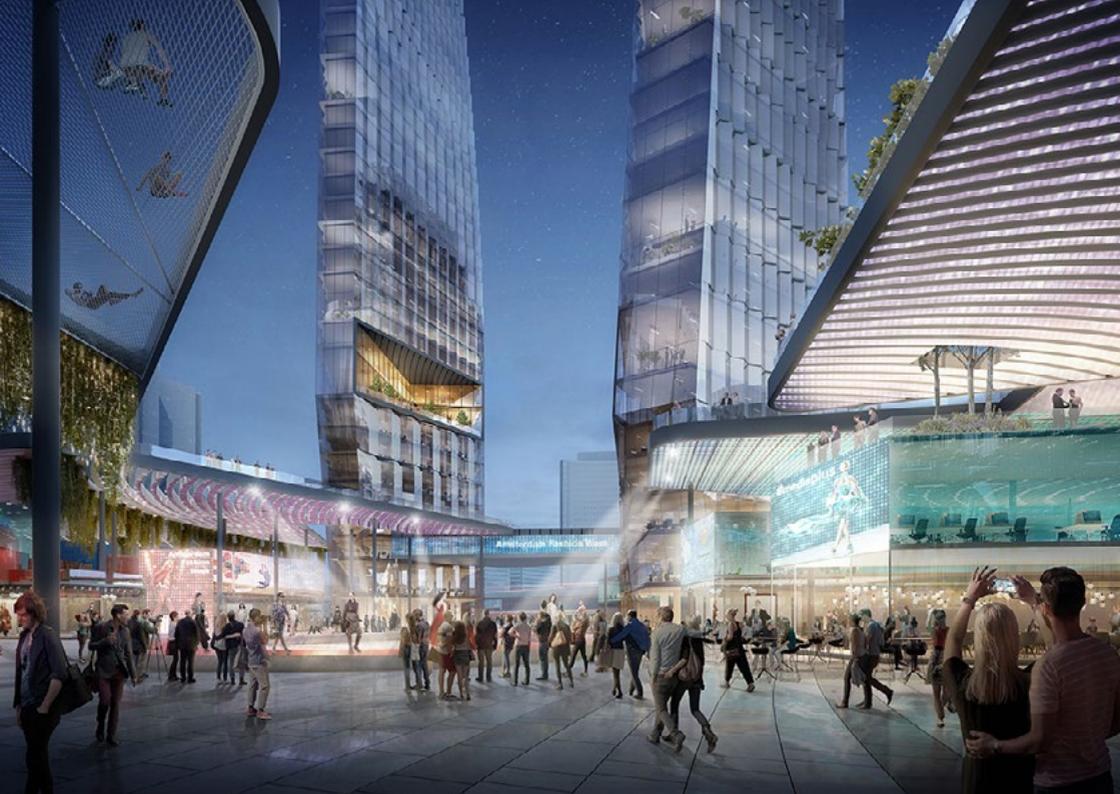
Master plan design

Scale

Site	11,660,320 m ²
GFA	29,141,195 m ²

Status

Design 2019



Amsterdam Media Campus

Amsterdam, The Netherlands, 2017

This commissioned study for the Amsterdam Media Campus speculates on the future of living and working in the city. The proposal investigates the economic viability of the urban area and offers a new model for city generation – one that is based on principles of flexibility and resiliency. With a measured phasing plan, density levels that match economic viability, and with an urban layout that is porous and flexible, the proposal offers scalable solutions that can easily lead to expansion beyond the site boundary and allows for further development at adjacent locations.

- The masterplan contains housing, office and work space, culture and entertainment for all ages at and around the central Media Square.
- The slim and elegant towers together create a visual illusion.
- A mix of uses is applied in each tower, with a minimum of 1,100 m² for office and 660 m² for residential, making them flexible and resilient, and corresponding to user needs.

Project Information

Mixed-use office and residential towers, public urban plaza with high-tech canopy

Client

Confidential

Contribution UNStudio

Study

Status

Completed 2017



Gyeongdo Island Master Plan

South Korea, 2017 - 2025

Tourism, whether for pleasure or business, has become a vehicle to create the most comfortable, luxurious and memorable experiences. In the city and in nature, we all seek to recreate a moment from our dreams – a moment that is distinctly different from our everyday life.

- UNStudio's proposal presents strategies for designing an experience that is unparalleled in its beauty and richness. The proposal focuses on the trinity of dreams – nature, beauty and art – and offers a place where one can reinvent oneself.
- Entering a magical land of lush green with destinations that offer body and soul rejuvenation, immersed in nature and creativity, one is guaranteed to leave the island feeling calmer and more invigorated.
- With the support of urban specialists, UNStudio's vision provides a distinct and coherent vision for urban and architectural design for Gyeongdo Island that includes smart networks, nature conservation and rejuvenation and hospitality destinations that are unique.

Project Information

Commercial, residential, office, cultural, sports, recreation

Client

MIREA Assets

Contribution UNStudio

Urban Design and Vision

Project Team

Economic Strategy: Saskia Leenstra

Visualisation: Plompzoes
Digital Communication: squint/ opera

Landscape: OR else
Water Management and IT: Nelen & Schuurmans
Traffic: MIC

Scale

GFA 230,000 m²

Status

In Progress 2025



Future Farms

Amsterdam Metropolitan Area, The Netherlands, 2017

Future Farms is a research and vision project in which UNStudio explored the possibilities and impact of future farming methods on the physical environment. The project originated in a discussion about 'Food Miles', in which we were asked to consider ways in which food could be produced locally within a regional network. This question relates to a growing demand for food that is both healthy and produced locally in a sustainable way. Mega production of bulk, especially when it concerns livestock, is currently being challenged, while at the same time there are many inspiring initiatives for healthy, locally produced food.

- The Future Farm vision proposes a possible framing of the above-mentioned trends and developments. Within this, two potential flagship locations are chosen within the regional network of Holland Metropole.
- Alongside a focus on production and distribution, Future Farms enable education and knowledge sharing by additionally incorporating public programmes.
- As such, they also house future food campuses: research facilities, food startup incubators, food debate centres, food markets and numerous other food-production related programmes.

Project Information

Mixed-use leisure, resort, marina, parking, entertainment, retail

Client

Rabobank

Contribution UNStudio

Schematic Design

Status

Research In Development 2017



Helmond Brainport Smart District

Helmond, Netherlands, 2018 - 2030

UNStudio's proposal for Brainport Smart District introduces the concept of a 'Living Lab of Innovation'. Primarily, the proposal focuses on people. It speculates on a flexible urban plan that offers a community-based environment for living, working and leisure. The Living Lab offers a research environment where innovation takes place simultaneously according to the principle of co-creation and participatory design.

- The flexibility offered through multiple living- and working- models, such as co-sharing housing, 3D-printed housing, and co-working workshops and studio space ensures the Lab becomes fertile ground for innovation and new ideas.
- Integrating a robust digital infrastructure into the planning of the physical environment, the Lab functions as an immediate testing ground of physical and digital spaces of Innovation on all levels of life – living, working, sports, health, energy, resources management, community and governance.
- In order to ensure resiliency and future proofing of the Smart District, a process of collaboration, validation and iteration that offers scenario-based solutions is proposed.

Project Information

Urban Vision and Master Plan with Mixed-Use, Education, Retail and Office

Client

Brainport Smart District Foundation and Helmond Municipality

Contribution UNStudio

Urban design and vision

Project Team

Landscape, ecologists: Felixx
Circularity: Metabolic
Data Analysis: Habidatum
Tech-based environments designers: UNSense

Scale

Site 155 Hectares

Status

Urban Vision completed 2019



Hilversum Media Campus Urban Vision

Hilversum, Netherlands, 2017 - 2018

In reinventing Hilversum Media Park as a prime cross-industry hub, both the programme and the spatial design must confront a fundamental question: what makes a Media Park relevant in the context of a 21st century city? In a time when media content is produced outside professional studios and new media companies can reach audiences while broadcasting from urban centres like Amsterdam and The Hague, Hilversum Media Park must create opportunities for new models of working and creating.

- UNStudio created an urban vision that sets out the steps in which the Media Park can evolve into a global competitor in content creation.
- The development approach is twofold – the vision sets out transformation goals for the industry itself (programmatic), and for the site (spatial).
- The vision also explores the impact the transformation of the Media Park will have on the surrounding area in anticipation for it to be catalyst of positive change for the City of Hilversum and for the Metropolitan Region of Amsterdam as a whole.

Project Information

Urban Vision and Master Plan with Mixed-Use, Education, Retail and Office

Client

Hilversum Municipality and Media Park Enterprise

Contribution UNStudio

Urban design and vision

Project Team

Visualisations: Plompmozes

Scale

GFA	36,000 m ²
Site	27 Hectares

Status

Urban Vision completed 2018



Socio-Technical City of the Future

The Hague, Netherlands, 2018

The Socio-technical City is a new urban vision for the ‘Central Innovation District (CID) square kilometer test site in The Hague. UNStudio’s concept for the Socio-Technical City combines the two largest challenges facing the future of cities – urbanisation and sustainability. In our future vision, The CID, becomes a green, self-sufficient double layered district, where a new urban layer of housing, offices, urban mobility and park-like public space is created over the existing train track infrastructure.

- The CID, having three intercity stations within walking distance of each other, presents an unprecedented opportunity to become a ‘Metropolitan Superhub’; a system of closely linked terminals.
- UNStudio’s urban vision distinguishes a number of technical ‘domains’, which refer to the major transition issues of our time: energy, circularity, mobility, climate adaptation / water management and food production.
- These domains are then each envisioned as ‘gateways’: physical architectural interventions that offer practical solutions to the problems as well as functioning as attractive symbols for the specific themes.

Project Information

Urban Vision/Research Project

Client

BNA, Gemeente
Den Haag, Ministerie
BZK, Ministerie I&W
TU Delft, Vereniging
Deltametropool

Contribution UNStudio

Urban design and vision

Project Team

Urban technology: UNSense
Landscape: Felixx
Energy: DGMR
Circularity: Metabolic
Climate Adaptation: Nelen
Schoormans
Data Mobility: Here Technologies

Scale

Building surface 1,400,000 m²

Status

Complete 2018

UNIS
UNISTRUDIO

Interior



Incheon International Airport Terminal 2 Landmark Space

Incheon, South Korea, 2017 - 2018

The Landmark Space in Terminal 2 aims to create a microclimate within the Incheon Airport where passengers can eat, drink and find a moment of relaxation along their journey. The design is comprised of two pavilions housing Paris Baguette and Coffee@Works with a lounge and seating area connecting the two.

- The design of the built-in furniture facilitates multiple types of interactions, ranging from more quiet and concentrated spaces to highly public and social zones.
- The materiality and planting of the landmark space contrasts with the white clean lines of the terminal creating a warm sense of place for the travellers.

Project Information

Incheon International Airport
Terminal 2 Food and Beverages
- Paris Baguette, Coffee@Works
and Lounge Space

Client

SPC

Contribution UNStudio

Design through Realisation

Scale

GFA	266 m ²
Volume	1,960 m ³
Site	1,290 m ²

Status

Completed 2018



Allianz Global Digital Factory

Munich, Germany, 2016 - 2017

The Global Digital Factory serves as an incubator for Allianz, testing new ways of working in keeping with the forward thinking mentality of the corporate brand. The Factory creates a socially vibrant and diverse environment which facilitates chance encounters and knowledge exchange.

- The varying conditions of the space – whether the double-height central spaces or the aligned working zones or the more remote working areas on the upper level – together with the stunning views offer perfect conditions for the design of an alternative workspace.
- The interior design for the Global Digital Factory navigates between focused versus collaborative atmospheres, natural and artificial light conditions, balances analogue and digital work methodologies and flexible versus fixed workspaces.

Project Information

Collaborative work space

Client

Allianz SE

Contribution UNStudio

Interior Design concept in collaboration with conceptsued

Project Team

Lighting: Florian Licht, Simon Haeggi
Graphic Design: De Vormforensen

Scale

Building surface 2,600 m²

Status

Completed 2017



Möbius House

Het Gooi, The Netherlands, 1993 - 1998

The Möbius House integrates programme, circulation and structure seamlessly. The Möbius strip is not used with mathematical rigour but is interpreted as a diagram upon which architectural ingredients such as light, space, materials, time and movement find an organisational structure.

- Formally, the two main trajectories organise themselves around the centrally located cube.
- The only perfectly square space in the project was designed programmatically to accommodate for either a squash court or for a garage.
- The dynamism created by the spatial distribution is furthered by the obliquity of many of the walls.

Project Information

Single family house

Client

Undisclosed

Contribution UNStudio

Concept Design through
Realisation

Scale

GFA	520 m ²
Volume	2,250 m ³
Site	20,000 m ²

Project Team

Landscape: West 8
Structural engineering: ABT

Status

Completed 1998



Galleria Centercity

Cheonan, South Korea, 2008 - 2010

The interior of the Galleria Centercity derives its character from the accumulation of rounded plateaus on long columns. The repetition of curves, enhanced by coiled strip lighting in the ceilings of the platforms, gives the interior its distinctive character.

- The complex spatial arrangement of the atrium is comprised of a central void, which is simple and straight in one cross-section, but oblique and jagged in the opposite cross-section.
- A relatively narrow central void cuts through the volume from top to base, with smaller pockets of space emanating from it.
- Four stacked programme clusters, each encompassing three storeys and containing public plateaus, are linked to the central void.

Project Information

Department store with restaurants and cultural centre

Client

Hanwha Stores Co., Ltd.

Contribution UNStudio

Architecture and interior design

Project Team

Facade: KBM
Lighting: a.g Licht
MEP: Sahnwon MEC
Wayfinding: Geerdes Ontwerpen

Scale

Gross Floor Area 66,700 m²

Selected Awards

2012 Media Architecture Award – Business Architecture
2012 Media Architecture Award – Animated Architecture (Final Nominee)
2011 RIBA International Award
2010 Asia Pacific International Property Award

Status

Completed 2010

UNS
UNSTUDIO

Products

UNX2

Amsterdam, The Netherlands, 2015

UNX2 is designed to dress the foot in such a way as to make its form partially visible and to highlight the mechanics of the foot and the visual effects that can be created by the shoe in motion. The UNX2 shoe creates patterns of movement and produces a dynamic form of image-making through motion. The process of design is made visible in the final object: the digital strategy that was employed when testing the position of the foot within the shoe.

Project Information

3D Printed shoe

Client

United Nude

Materials

3D printed nylon core, with 3D printed rubber cover

Status

Completed and presented at the Salone del Mobile, Milan 2015



MYchair

Herrenberg, Germany, 2008

All the details of the chair are considered for their spatial effects. For Ben van Berkel, this spatial awareness is connected to his idea of the 'after image', referring to the capacity of three-dimensional objects to produce many different impressions when seen from different angles. These continuously changing silhouettes result in a kaleidoscopic experience, achieved in the MYchair by the faceted arrangement of the soft elements, the inward and outward curves of the chrome frame and the duotones of the upholstery.

Project Information

Chair

Client

Walter Knoll

Materials

Frame: Chromed steel bar; Seat; Foam upholstered with Trevira and Kvadrat fabrics or Walter Knoll leather

Selected Awards

2009 Red Dot Design Award

Status

Completed 2008



Seating Stones Series

Walter Knoll, Germany, 2014

The Seating Stones series encourages active participation and customisation of today's office environment. Within the workplace layout, versatile, flexible and dynamic spaces for communication can be configured and reconfigured with ease, creating changeable islands for both work and recreation. The series comprises six individual elements. Each one is designed with a specific function, but when grouped enable a wide variety of configurations.

Project Information

Family of seating elements for office spaces

Client

Walter Knoll

Materials

Body: steel frame and PU Foam, upholstered.
Seat: Comfort by belts

Selected Awards

2015 Good Design Award
2013 Red Dot Design Award

Status

Completed 2014



SitTable

PROOFF, The Netherlands, 2010

People communicate in a variety of ways. The design for the SitTable caters to the needs of these divergent varieties. It allows for the table to become a thinking place as well as a social meeting ground, whilst offering a diversity of options for functionality. It is designed to serve the individual's intended purpose for functionality and arrangement. The hybrid form of the SitTable combines two pieces of multi-functional furniture, offering a variety of space-creating authority to the user.

Project Information

Table

Client

PROOFF

Materials

SitTable Type 1:
Tabletop: Wood veneer, dark oak
Seat: Fabric Divina 462 (mustard yellow)
Frame: Steel C3, Anthracite Grey

Status

Completed 2010



SILU Chair & Table

Ondarreta, Spain, 2016

SILU is a table and chair combination that plays with functional ergonomic surfaces that dynamically transform into structural frame components. In the SILU chair smooth transitions are made between sharp angles and soft curves. All sides of the chair are equally important and interconnected with one another. For SILU, UNStudio and Ondarreta have fused traditional wood bending techniques and technical know-how with contemporary design.

Project Information

Table and chair

Client

Ondarreta

Materials

Wood (ash, oak) and different washes

Status

Completed 2016



Studio Series

Offecct, Sweden, 2013

The Studio series for Offecct has been designed to allow for the creation of a number of seating units, each adapted to the needs of particular situations in terms of the number of seats as well as their arrangements and function in any given space. The designs allow for numerous group arrangements which can result in closed arrangements, semi closed and open arrangements, allowing for versatility in communication and privacy.

Project Information

Seating units

Client

Offecct

Materials

Body: upholstered moulded wood with steel frame powder coated.
Seat comfort by foam

Status

Completed 2013



Circle Sofa

Walter Knoll, Germany, 2005

The Circle Sofa furniture piece is the sum of four distinct seating sections sinuously morphed together. The height of the back rests of each section remains constant whilst its angle and joining seat oscillate between deep and shallow as the seat length modulates.

The sofa divides into three parts which can be reconfigured providing various seating combinations and spatial compositions. The four sections can be positioned in either a concave or convex arrangement. The circular arrangement, as a contemporary variant of the 1970s conversation pit, generates a closed space for communication or concentration.

Project Information

Sofa

Client

Design phase: Zetel
Execution phase: Walter Knoll

Selected Awards

2007 Silber Designpreis
2006 Red Dot Design Award

Status

Completed 2005



Twist Door Handle

Olivari, Italy, 2014

The architectural twist has been a key feature in the design of a number of UNStudio projects of varying scales – from buildings to pavilions – and has now been adapted in the design for the 'Twist' door handle. In 'Twist' the architectural curve is scaled down and transformed into a tactile framework on the human scale, one that is directly related to the body and to touch.

Project Information

Door handle

Client

Olivari

Materials

Finishes: chrome, biochrome, supernickel, superstainless steel, supergold, polished and satined versions

Status

Completed and presented at the Salone del Mobile, Milan 2014



River City Carpet

ARTinD, Italy, 2018

The River City Carpet is inspired by the golden ratio – the ‘divine proportion’, or Phi – a number rooted in the architecture of our universe. Based on irrational numbers, it can be found in the engineering of all things natural, from the proportions of the human body to the structure of clouds. Tasked by ARTinD to design a carpet that is inspired by Phi, the River City Carpet took influence also from the colours of traditional map work, overlapping them to form different layers, functionalities and flows within a city. The geographic becomes graphic, creating a fictitious city map with representations of different heights and urban settings, fitting seamlessly with all the elements of the golden ratio.

Project Information
Hand-knotted silk carpet

Client
ARTinD LTD

Materials
Silk

Status
Completed 2018



Giro Cutlery Set

Alessi, Italy, 2017

In the Giro Cutlery Set, designed by Ben van Berkel/ UNStudio for Alessi, a twist originates from the point where the handle transforms into blade and graduates along the length of the utensils. The ergonomic silhouette that is created by this gradual transformation effects a dynamic motion frozen in solid material and presents a balance between the modern and the classical.

A three finger concept for the holding and balance of the cutlery has been adopted in the design. The weight of the cutlery transfers from the lifting position to the position when in use, thereby supporting and balancing the utensils in both situations.

Project Information
Giro cutlery set, 14 pieces

Client
Alessi

Materials
Polished stainless steel

Status
Completed 2017



WNS
UNIVERSITY

Innovation

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UNSTUDIO

Knowledge

Knowledge

Knowledge Intensive Practice

UNSKnowledge works as a set of cross-linked communities within UNStudio and UNSense that foster growth and steer interdisciplinary knowledge exchange. UNS.Knowledge defines and constructs new ideas, visions and strategies focused on current trends, debates and challenges to deliver next-generation solutions. UNSKnowledge provides a set of services to UNStudio and UNSense colleagues as well as to multidisciplinary collaborators internationally. As part of UNStudio's Knowledge Management processes, UNSKnowledge facilitates knowledge extraction from projects and exchange with the studio at large.

Consultancy

UNSKnowledge provides consultancy and collaboration services to external companies as well as within UNStudio and UNSense from the perspective of four categories: Computation, Building Technology, Media and Social Impact. These categories are flexible and often cross-pollinate with each other and other initiatives within the studio in order to address and challenge design thinking within UNStudio and UNSense. While these categories are often design driven, our approach extends further by taking into account the organisational and sustainable potential each project entails.

Building Technology

Building Technology develops elements as detailed as materials to those as broad as building manufacturing processes. By developing ideas for materials and organisational components of building industry processes, Building Technology aims to create more responsive and sustainable buildings and spaces.

Computation

In Computation, UNSKnowledge dives into the mathematical processes of design thinking. To attain efficiency and productivity, Computation explores computational tools, data analysis, representation and rapid prototyping.

Media

With Media, UNSKnowledge aims to reframe user experience in the context of new and forthcoming media applications including virtual and augmented realities, product design and rapid prototyping.

Social Impact

UNStudio aspires to design as well as develop technologies and systems that positively impact people's daily lives. In pursuing projects with broad social goals, UNSKnowledge uses human-centred design principles and stimulates co-creative interactions with users, policy-makers and institutions that share a vision for an equitable and sustainable future.



Zumtobel Nightsight Lighting System



V on Shenton Residential Facade Design 3D Component Based Envelope



Brightwall

EU FP7, 2015

After a two-year research and design process, the BrightWall project has been completed. UNSKnowledge now investigates key aspects of the panel design and manufacturing process. Based on the FP7 (the EU's Seventh Framework Programme for Research and Technological Development) call for energy savings in buildings, the BrightWall project is researching fiber optics based translucent concrete. The goal of the research is the development of a fully insulated facade system that will allow for controlled daylight to pass while lowering in the heating load in a building. The partners in the nine-member consortium range from concrete manufacturers to architects to fibre optics specialists.

Project Information

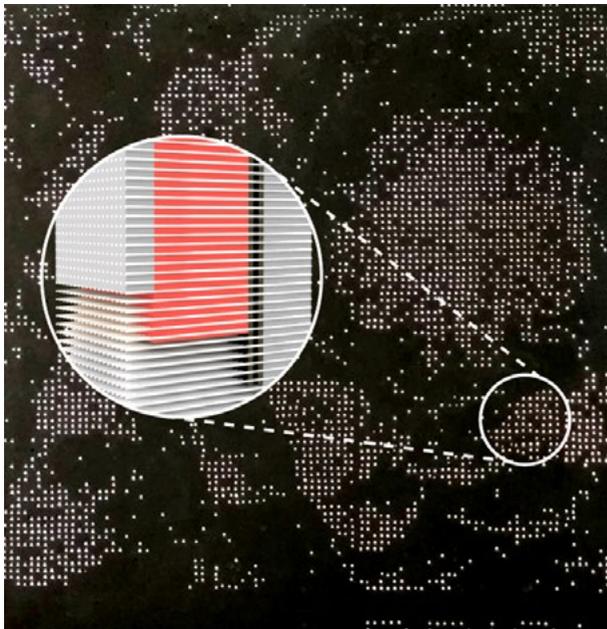
Facade System

Fund

Seventh Framework Programme for Research and Technological Development (FP7)

Project Team

Danish Technological Institute, Agencia Estatal Consejo Superior de Investigaciones Científicas, Centre d'Etudes et de Recherches de l'Industrie du béton, Confac A/S, Danmarks Tekniske Universitet, Dupont Lightstone ApS, Ecochoice SA, Polymer Optics Ltd



Osirys

EU FP7, 2015

Based on the FP7 call for the improvement of indoor air quality, the Osirys Project is researching a holistic solution for facades and interior partitions composed of biocomposites. The project consortium is composed of 18 companies, within which UNSKnowledge acts as one of two Scientific and Technical Managers to produce the basic requirements for the products to be researched and to review the progress of the research. The goal of the project is to design biocomposites based materials that lead to three products: an interior partition system, a multi-layered facade system and a curtain wall facade system.

Project Information

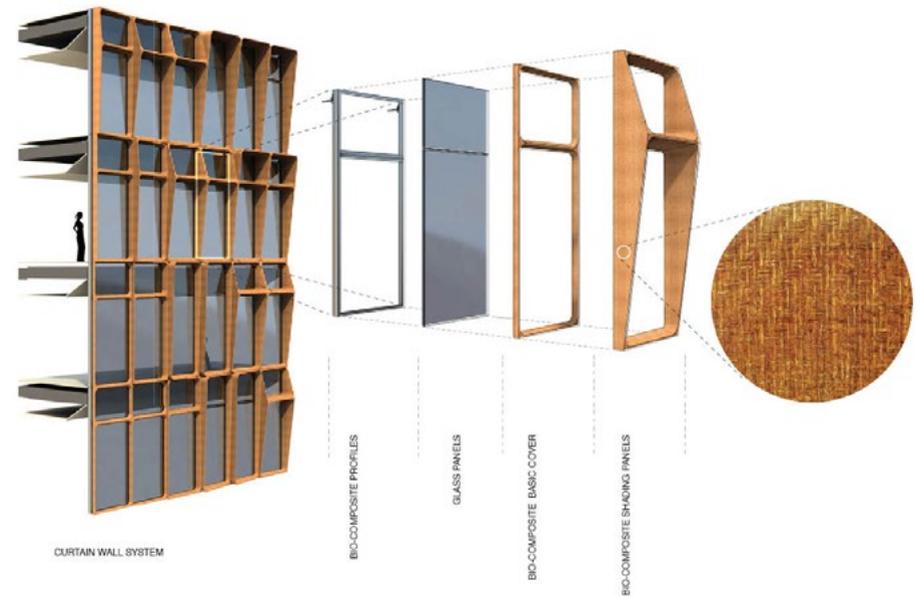
Curtain wall system, multi-layer facade system, windows, and interior partition walls.

Fund

Seventh Framework Programme for Research and Technological Development (FP7)

Project Team

Tecnalía, Acciona, VTT, Fraunhofer, AIMPLAS, IVL, Townhall of Malmo, Tecnaró, Netcomposites, Omikron, Plastil, Amorim Cork Composites, Enar, Bergamo Technologie, Visesa, Sicc, and Collanti Concorde



Mitsubishi ALPOLIC Pavilion

Messe München, Germany, 2015

UNSKnowledge's Fair Stand at the BAU2015 was designed as a temporary pavilion for Mitsubishi Plastics ALPOLIC (TM). The ALPOLIC pavilion is constructed out of ultra-light aluminium layered panels which are employed to create the sculptural clad wall. In collaboration with SORBA, UNSKnowledge explored the potential of design computational techniques and smart fabrication solutions. The computational techniques enabled the optimisation of fabrication by developing a set of parameters in jointing, seaming and with the correct selection of panel size. The wall installation served as the main focal point for the stand.

Project Type

Pavilion

Client

Mitsubishi Plastics, Inc.

Project Team

Contractor display wall:

Sorba Projects

Contractor: Meplan



Construct PV

EU FP7, 2016

The Construct PV project aims to improve PV modules through architectural research with a number of international science and industry partners. The research has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 295981. The goal of the project is to convert the standard industrial PV module into a product that offers greater design flexibility to meet the needs and requirements of different socio-geographic areas. A further aim of the research is to create a design catalogue with aesthetic and cost-effective choices for PV modules – and bring these possibilities to the European market.

Project Type

Building Integrated PV

Fund

Seventh Framework Programme for Research and Technological Development (FP7)

Project Team

Züblin, D'Appolonia, Fraunhofer-ISE, NTUA, AMS, SUPSI, ENEA, TU Dresden, Meyer Burger, Tegola Canadese



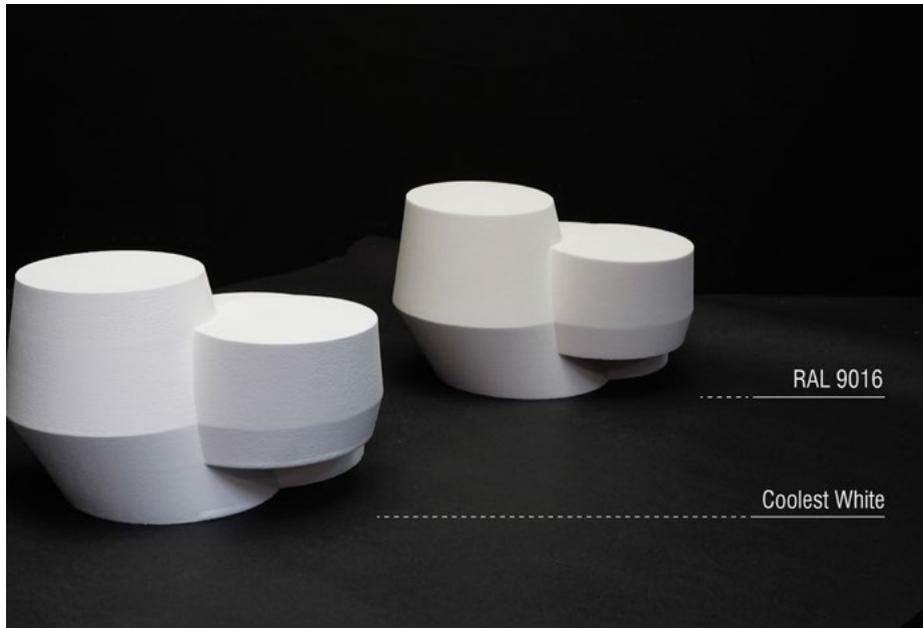
Coollest White

Switzerland, 2018

Dark-colored, heat retaining materials in buildings cause them to absorb solar radiation and store heat from the sun, which means they not only require lots of energy to cool, but that the absorbed heat is also released into the surrounding urban environment. Enter the Coolest White: an ultra-durable paint that protects buildings and urban structures from excessive solar radiation – thus slowing down the urban heat island effect. Based on fluoropolymer technology, the paint has long-lasting and ultra-durable properties that extend the coatings' lifecycle up to 30 years. The multilayered coating system was developed for high-quality metallic facade elements and aluminium, steel or fiberglass structures.

Project Type
Coating

Client
Monopol Colors



BIM-SPEED

EU FP7, 2018 - 2022

As part of a 22-partner consortium, UNSKnowledge is participating in the European Union-funded BIM-SPEED project whose aim is to develop BIM tools for renovation to be hosted on a cloud platform.

Over the course of the four-year project, the consortium will test out these tools in 12 demonstration cases in partnership with the types of businesses who will make use of them in the coming years. A major goal of the project is to advance from '2D' design, or existing forms of building documentation, to '10D' design, where a building information model becomes a district information model.

Project Type
BIM research and development for building renovation

Fund
Horizon 2020

Project Team
TU Berlin, Polytechnic University Marche, Erasmus University, European Builders Confederation, European Construction Industry Federation, Architects' Council of Europe, Federation of European Heating, Ventilation and Air Conditioning Associations, Scientific and Technical Center for Building, Technology Centre CARTIF, Planen Bauen 4.0, DEMO Consultants, Hochtief ViCon, CYPE Soft, Stress, Arcadis Romania, Architectural Spies, LKS Ingeneria, FASADA, Mostostal Warszawa, Metabuild, Visesa



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Futures

UNS.Futures explores how we live, work, learn and move today and in the future, forecasting the effects of these shifts on the built environment. Since the lifespan of buildings, public spaces and infrastructure lies typically between 25 and 85 years, as architects we've always designed with the future in mind. But today things are moving faster than ever. In an increasingly complex world, system-thinking helps us to understand the inter-dependencies which structure the environments we live in.

From the most intimate spaces of our lives to big business, it's the same: new forms of culture and technology are reshaping the world. Creating value in this time of change requires new skill sets and the ability to mediate different worlds. Technology and architecture. Business and sustainability. Culture and urbanism. Policy and design. UNS.Futures is a new type of agency, built on the conviction that relevance defines our interactions with places, brands and each other. The team fosters close collaboration with academics, technologists and design leaders in order to prototype ways which emerging technologies or approaches could solve old problems in the city.



UNS.Futures calls their approach 'strategic design' because they believe that for an idea, space, building or masterplan to take root, it must stem from a deep understanding of culture – of how people act, interact and communicate. For UNS.Futures, the means by which an idea enters culture is just as important as the idea itself. With one foot in the world of architecture, one in technology and one in communication, UNS.Futures understands how these worlds inter-relate today.

UNS.Futures uses spatial training to structure complexity and develop strategies to move companies, organisations and cities forward based on analysis of socio-economic, technological and environmental changes. UNS.Futures turns knowledge into tangible designs that move projects forward. Working together in cross-disciplinary teams with designers at UNStudio, UNS.Futures drives projects forward from concept development through to design implementation.



USM and the Haller System

Since Paul Schaerer and Fritz Haller first collaborated in 1961, USM's modular vision has bridged the worlds of product design and architecture, inspired by the changing demands of the modern workplace. More than 50 years on, our nearly paperless workplaces prompt us to rethink the modularity at the core of USM furniture. Without casting aside the functional and classic design that has gained USM international prestige, UNSFutures has launched a series of collaborations with USM to re-contextualise its role in work today.



The Future of Work: Human Refocus Exhibition

UNSFutures began collaborating with Swiss furniture brand USM in the summer of 2017, when Ben van Berkel was named Architektur & Wohnen's 2017 Architect of the Year in Germany.



From 5 July to 19 August, UNSFutures mounted an exhibition at USM's Berlin showroom on the Future of Work and the proposition that it will refocus on human needs and ambitions.



Salone del Mobile Fair Stand

USM invited UNSFutures to design its fair stand at the 2018 Salone del Mobile. With 'The Playground', UNSFutures created a theatrical installation that explores shifting boundaries between work and domesticity, now and in the future.

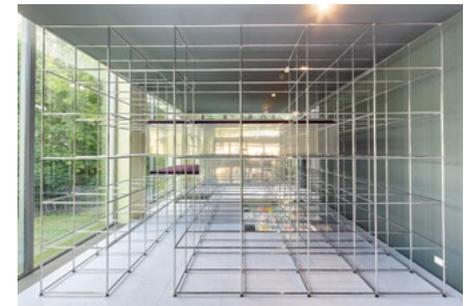


UNSFutures' design explodes the spaces in which we live, using the USM modular system as a platform to support an absurd hybrid of domestic and office environments hidden within four floating chambers: the Dining Room, the Bedroom, the Bathroom and the Home Office. The stand won two Frame Awards Milan: the Trade-Fair Stand of the Year and the Best Use of Materials.



The WorkHouse Laboratory

On 1 June 2018, USM and UNSFutures opened The WorkHouse at the Wehrmühle Biesenthal outside of Berlin. The WorkHouse is a participatory project, a laboratory for the discovery, development and formulation of new working models as a source of inspiration for design, where participants are invited to come play, explore and experiment.



From 1 June to 15 July 2018, participants formulated new working models with the goal of finding out how design can provide future solutions for new forms of organisation and the demands of the working world.





UNSense

About UNSense

UNSense is an arch tech company that focuses on the integration of technology in the built environment. Founded by UNStudio in 2018, UNSense operates at the intersection of physical and digital environments. Built upon 30 years of UNStudio's architectural practice, UNSense combines the ability to design great places with a deep understanding of the potentials of integrated technology. Grounded in the belief that the smartest thing about a city is its people, UNSense brings a human-centered approach to smart city development. We understand that design does not stop at technology implementation alone, and bring a

holistic perspective to every problem we approach.

Vision

UNSense believes data to be a starting point to design a physical neighbourhood, instead of first developing a physical design and then deciding where data and technology should be integrated. Using data in an urban context can generate benefits for a wide variety of stakeholders, in the way data enables to create services that improve quality of life in general as it can help to save time and money and live healthier. In developing and implementing solutions, UNSense takes a collaborative approach that builds upon the quadruple



helix model connecting governmental institutions, businesses, research institutions and civil society.

To make data work for all stakeholders, UNSense explores new business models that enables an equitable exchange of information and value between residents, businesses and local government. We create a level-playing field where all stakeholders have equal opportunities to protect or share their data and develop and receive services on top of that data. By design, the platform will give all users full control over one's data, insight into what is done with their data and how it can yield a return for its provider.

Strategy and Orchestration

UNSense's core business is based on consulting services. While growing its portfolio, UNSense is strengthening its reputation as a leading strategy and orchestration consultant with extensive know-how and experience in purposeful smart city projects. We build partnerships with industry leaders in urban design, construction, and (digital) infrastructure and technology across the domains of mobility, energy and health. In all collaborations with third parties, UNSense is both the orchestrator and connecting link between the parties. Moreover, UNSense has the end responsibility for the overall creative vision of a project.



100 Houses for Helmond, Brainport Smart District

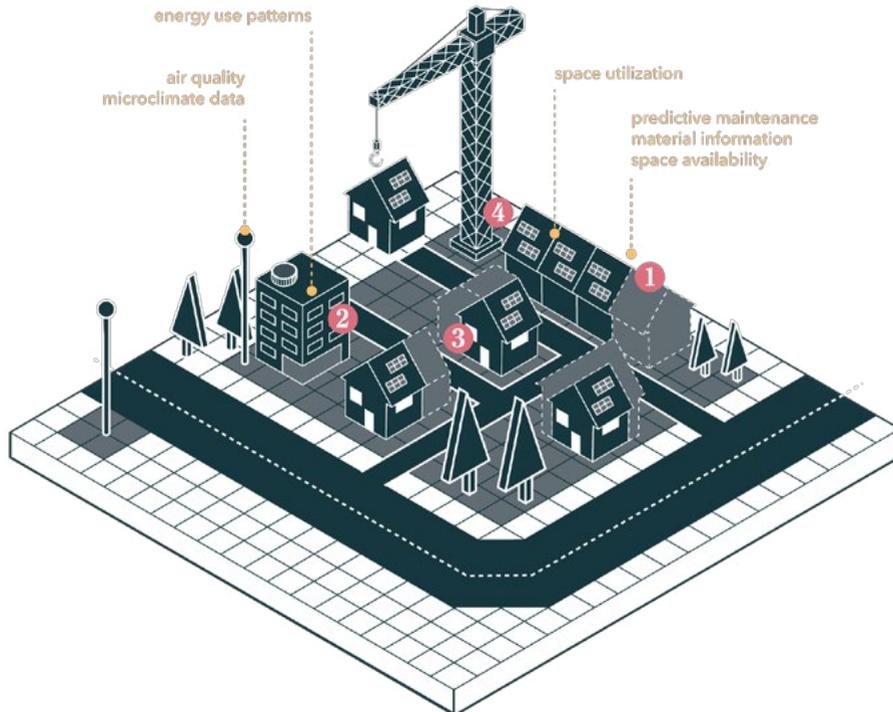
Helmond, The Netherlands, 2018 - 2030

UNSense is currently carrying out a feasibility study and forming a consortium to realise a residential area of 100 Houses in Helmond Brainport Smart District. In this real-life test environment catering to a cross-section of society, UNSense will investigate how data can be applied to improve people's lives in cities, while allowing the inhabitants to control their own data. UNSense will validate the hypothesis that (smart city) technology in combination with an Urban Data Platform for equal exchange of value (data) between residents and service providers will improve the reallocation of time and net income, and therefore has a positive impact on the quality of residents' life.

Project Type
Residential feasibility study

Client
Brainport Smart District
Foundation and Helmond
Municipality

Contribution UNSense
Strategy and orchestration; end
responsible for overall creative
vision



The Hague International Zone

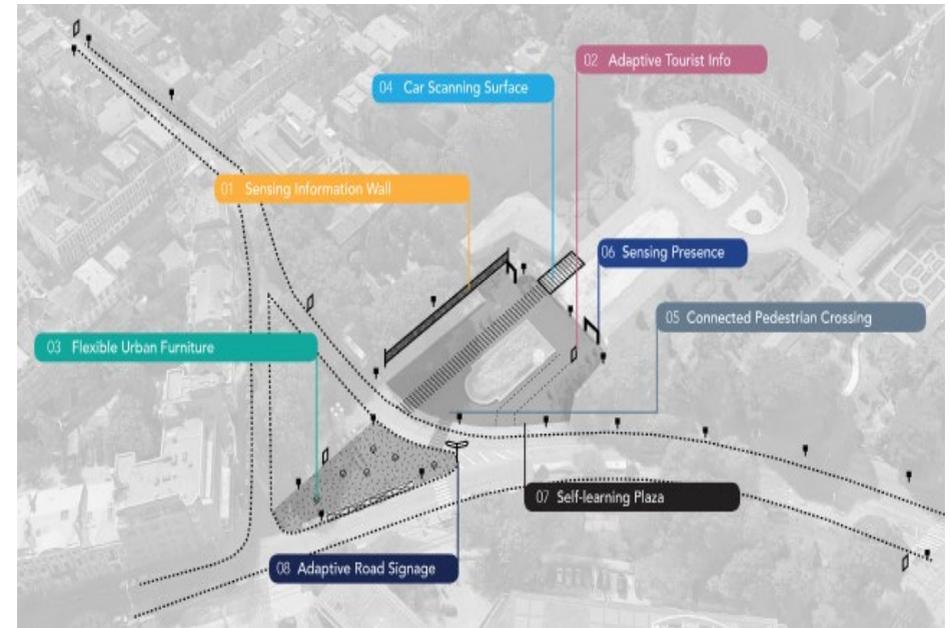
The Hague, 2019

How might we protect people and buildings in the city? Many specialists are focusing on solutions for this question on a daily basis – from law enforcement to local residents groups. And what is the role of design, and how can we nudge rather than counteract? UNSense developed a strategic vision for the municipality of The Hague that focuses on safety and security for the International Zone, incorporating the World Forum, the Peace Palace and the International Criminal Court. In this project we took on the challenge of designing smart, safe and inviting environments in the city, in which people and buildings feel protected without creating physical fences.

Project Type
Strategy and Consultancy

Client
The Hague Municipality

Contribution UNSense
Tech-based environmental
design



Solar Visuals

The Netherlands, 2018

Solar Visuals, co-founded by UNSense, has developed a revolutionary cladding material to fill the gap in the traditional market of solar panels. Solar Visuals is an energy producing cladding material that integrates solar cells in facades, combining high production of solar energy with visual design aesthetics. The layered Solar Visuals panels contain a photovoltaic layer and a full-colour printed design layer that can be customized based on a patented printing technology. Panels are available in different sizes, colours and (custom-made) design prints. By transforming facades into energy producing surfaces, Solar Visuals expand the capacity of the built environment to harvest solar energy.

Project Type

Building-integrated photovoltaic material

Client

Solar Visuals

Contribution UNSense

Product development and company co-founding



WMS
unstudio