



Global Design Review

Creating impacts beyond generations

November 2022

Foreword

Our global creative design reviews consider the very best of our architecture, landscape architecture, interiors and urban design projects. Those featured in our latest review are just a small selection of how we are ‘creating impacts beyond generations’ for our clients and communities.

Our design ethos is clear, thoughtful, efficient, ecological and adaptable. From revitalizing waterfronts, to designing new schools, housing, sports stadiums and creating entire new neighborhoods, our mission is to leave sustainable legacies and deliver a better world.

Projects

KIC481

Shanghai, Mainland China

Status: **Unbuilt**

Lead discipline: **Landscape architecture**

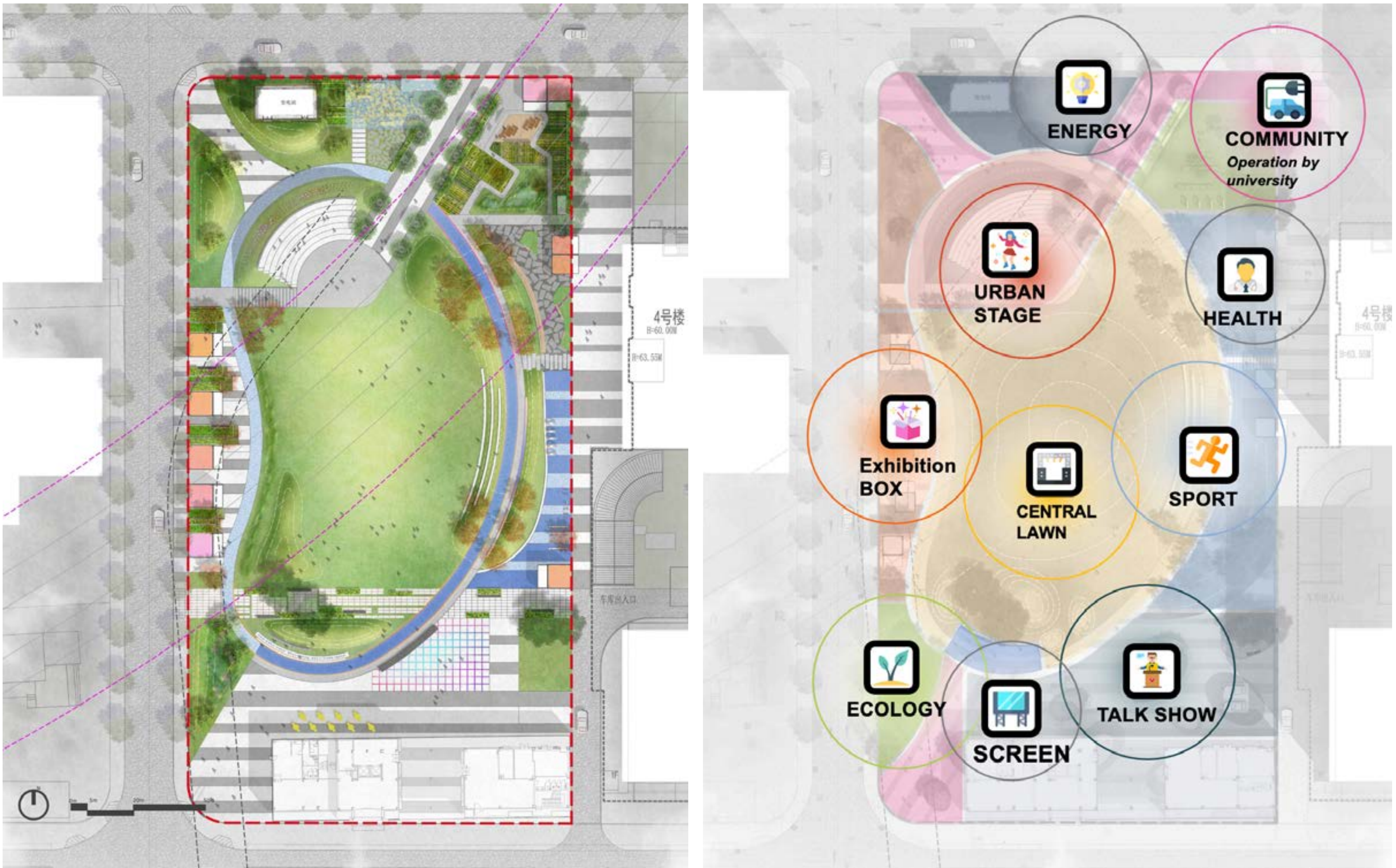


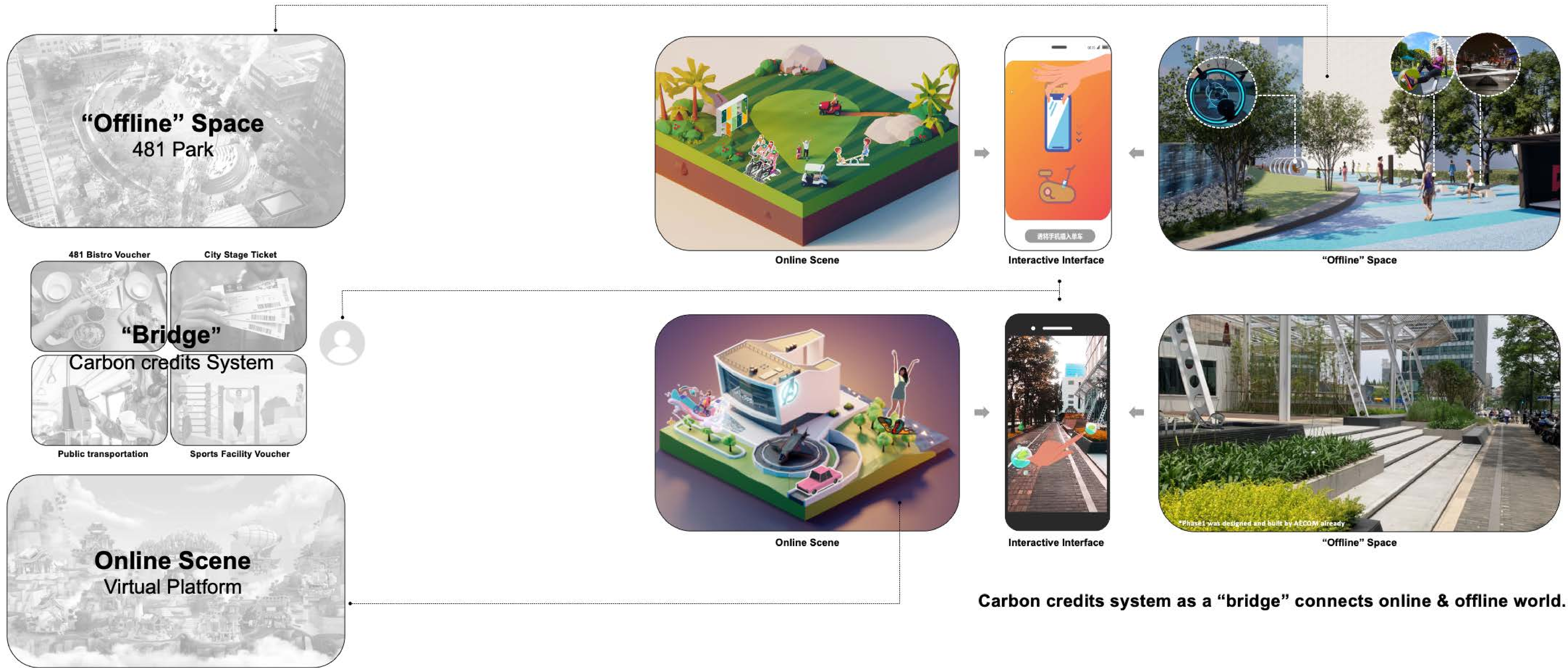
KIC481, Shanghai, Mainland China

This project explores the design of urban public space against a backdrop of a digital city and serves as a pilot in response to Shanghai’s digital transformation policy. Our challenge was to break through the traditional approach to landscape design and attempt to use a new way of combining virtual and reality to serve urban people. Working closely with the planning team, data analysis companies and virtual technology platforms, we proposed an “online + offline” interactive model to build and operate a new public park.

We made a digital copy of the park using a virtual platform to serve as an online extension of the physical space. By introducing carbon points, we tried to correlate online data with people’s real-life behavior in the space. Through virtual data we were able to determine new ways of using urban space and drive users to implement carbon reduction actions.

Key to the success of this project was cross-border cooperation with data and internet companies to closely integrate the “online + offline interactive model” with the physical space we designed. We also tried to give a monetary value to carbon points, through which the regional commercial value could be activated and guide the public to take specific actions.





Wan Chai North Harbor

Hong Kong SAR

Status: **Unbuilt**

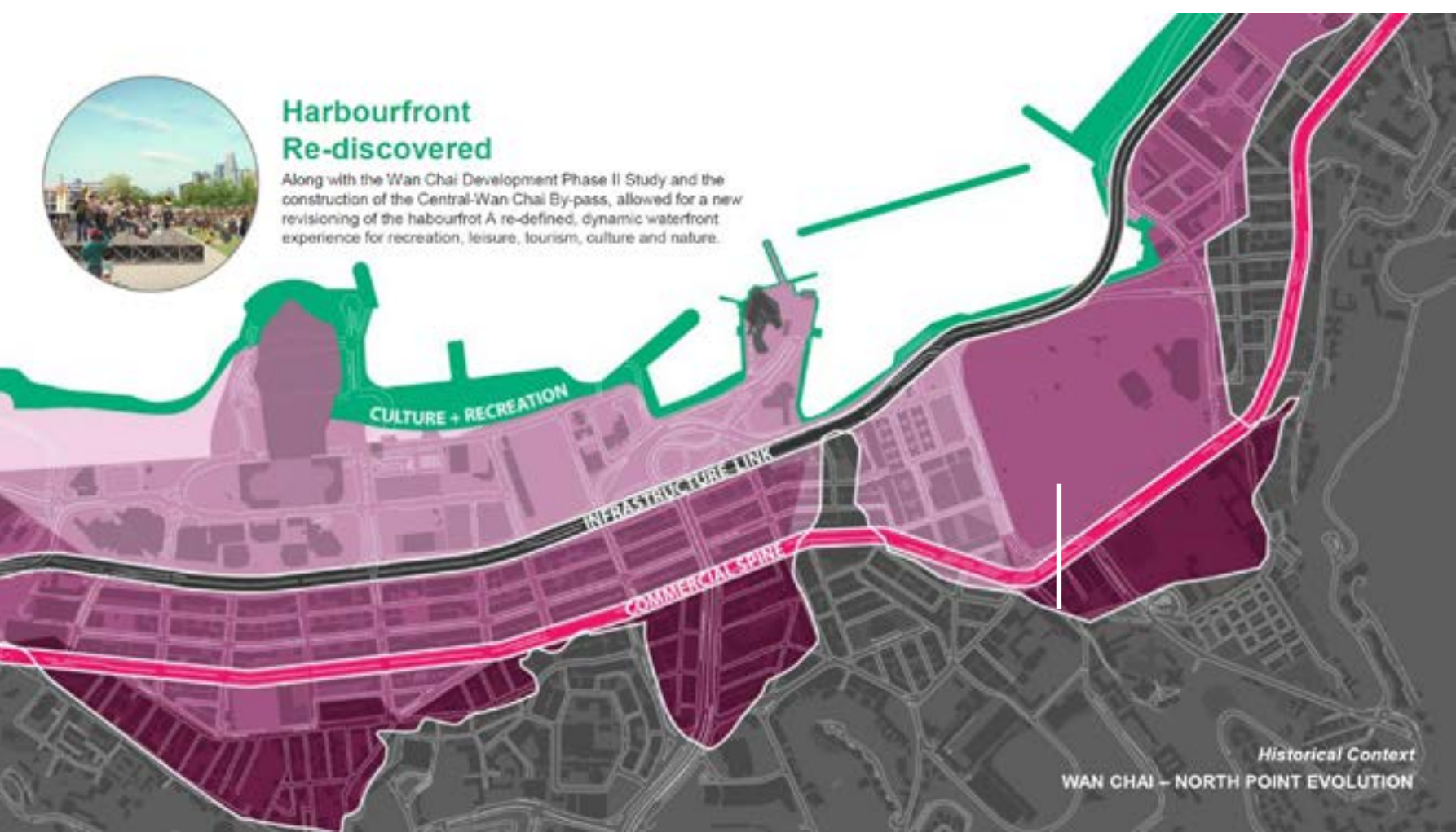
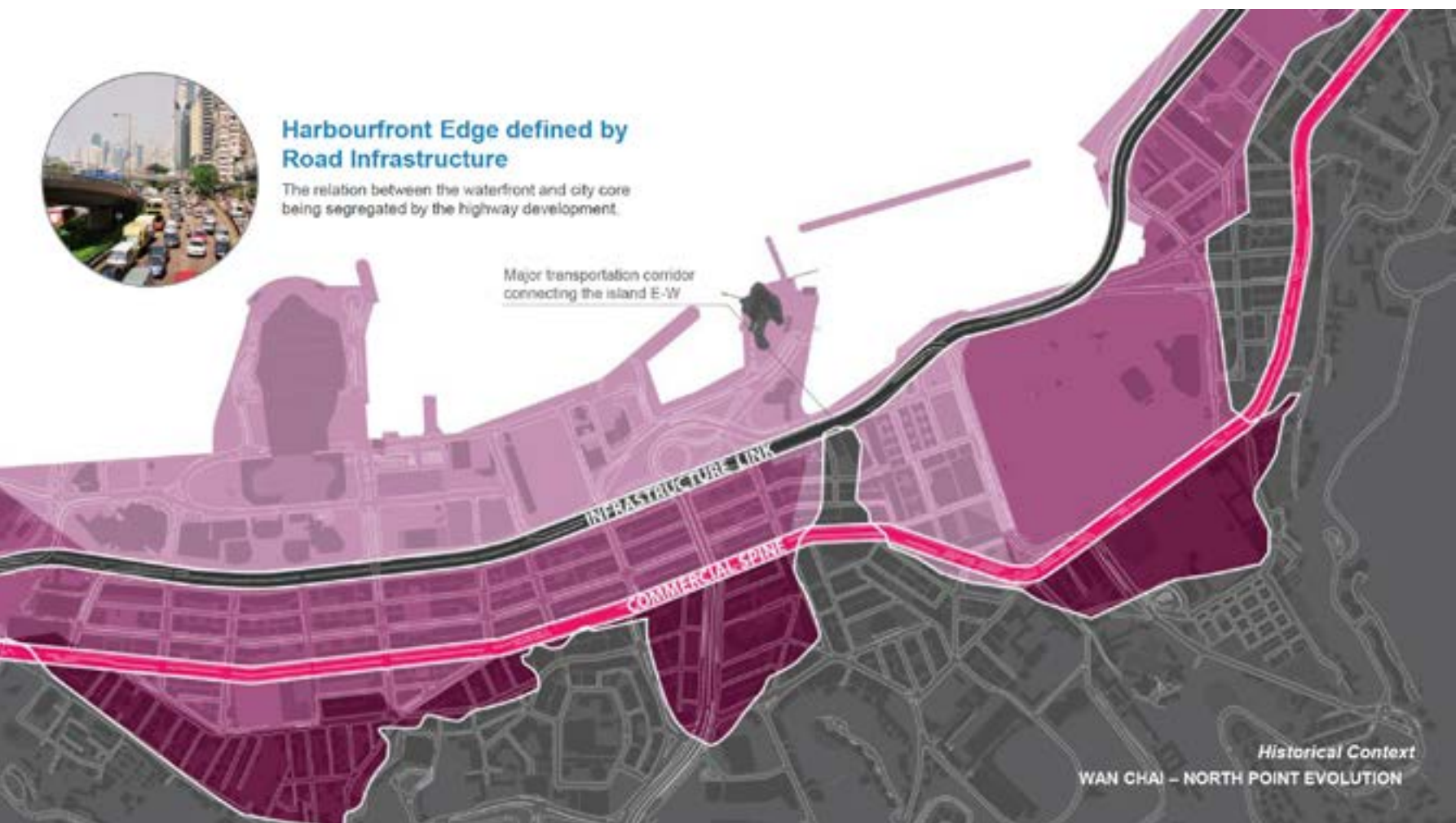
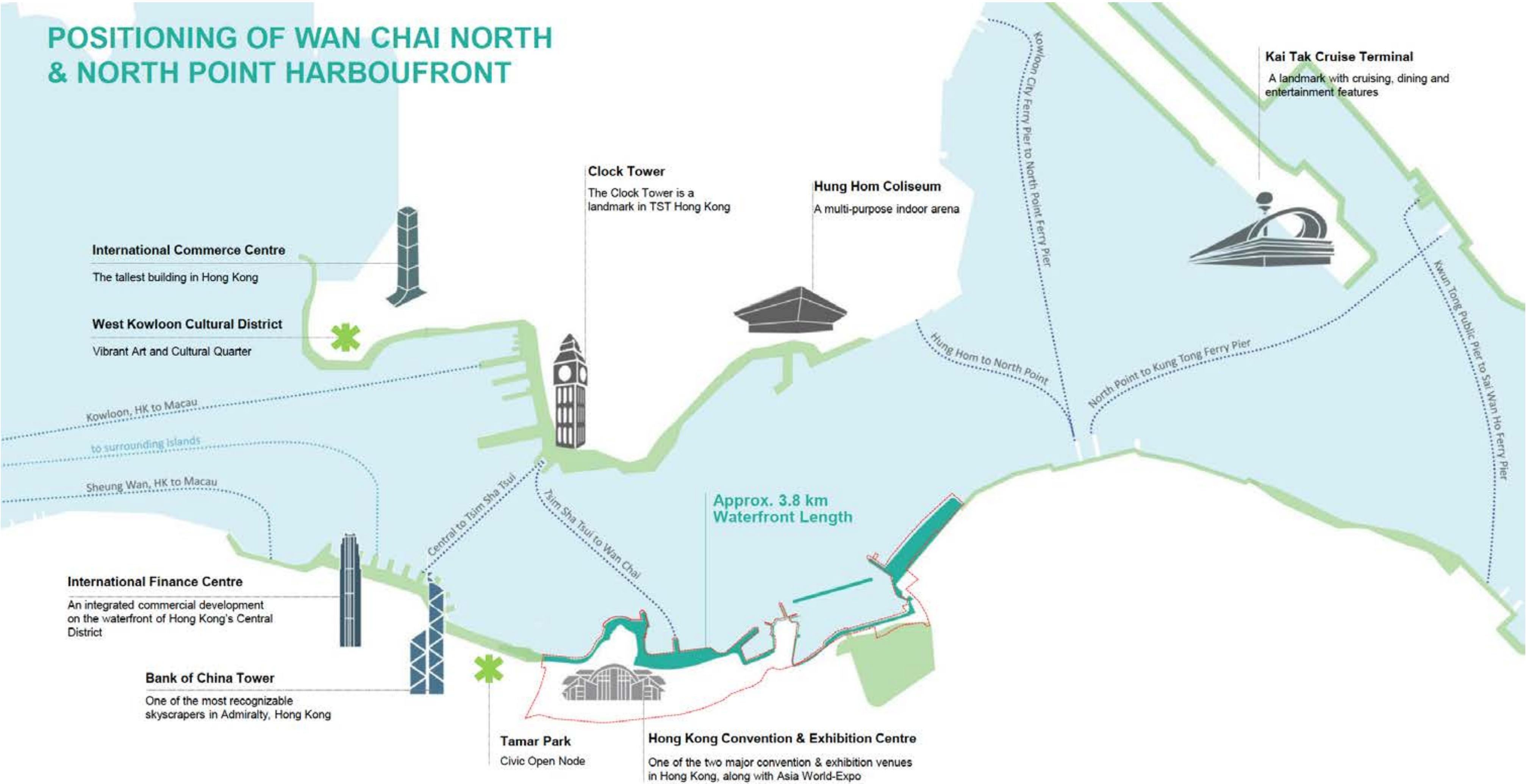
Lead discipline: **Master planning**



Wan Chai North Harbor, Hong Kong SAR

The Wan Chai North harbor front area stretches eastward from the west of the Hong Kong Convention and Exhibition Centre (HKCEC) to the proposed harbor front open space adjacent to City Garden in NorthPoint, encompassing approximately 19 hectares of land and 22 hectares of water.

The construction of the Central-Wan Chai bypass, allowed for a new revisioning of the harbor front re-defining and creating a dynamic waterfront experience for recreation, leisure, tourism, culture and nature that connects the people to the water.



Wan Chai North Harbor, Hong Kong SAR

Key urban design considerations included:

- 1. Character of the waterfront
- 2. Pedestrian connectivity between the Hinterland and the waterfront
- 3. Continuity of the waterfront (pedestrian and cycling)
- 4. User-friendly design
- 5. Water quality and wave attenuation
- 6. Parking and loading/unloading facilities
- 7. Uses of land and water

Five new precincts were created, encompassing a pier, sports and recreation, typhoon shelter and a new park. New promenades were also developed to connect the precincts.



Sendero Verde

New York, USA

Status: **Under construction**

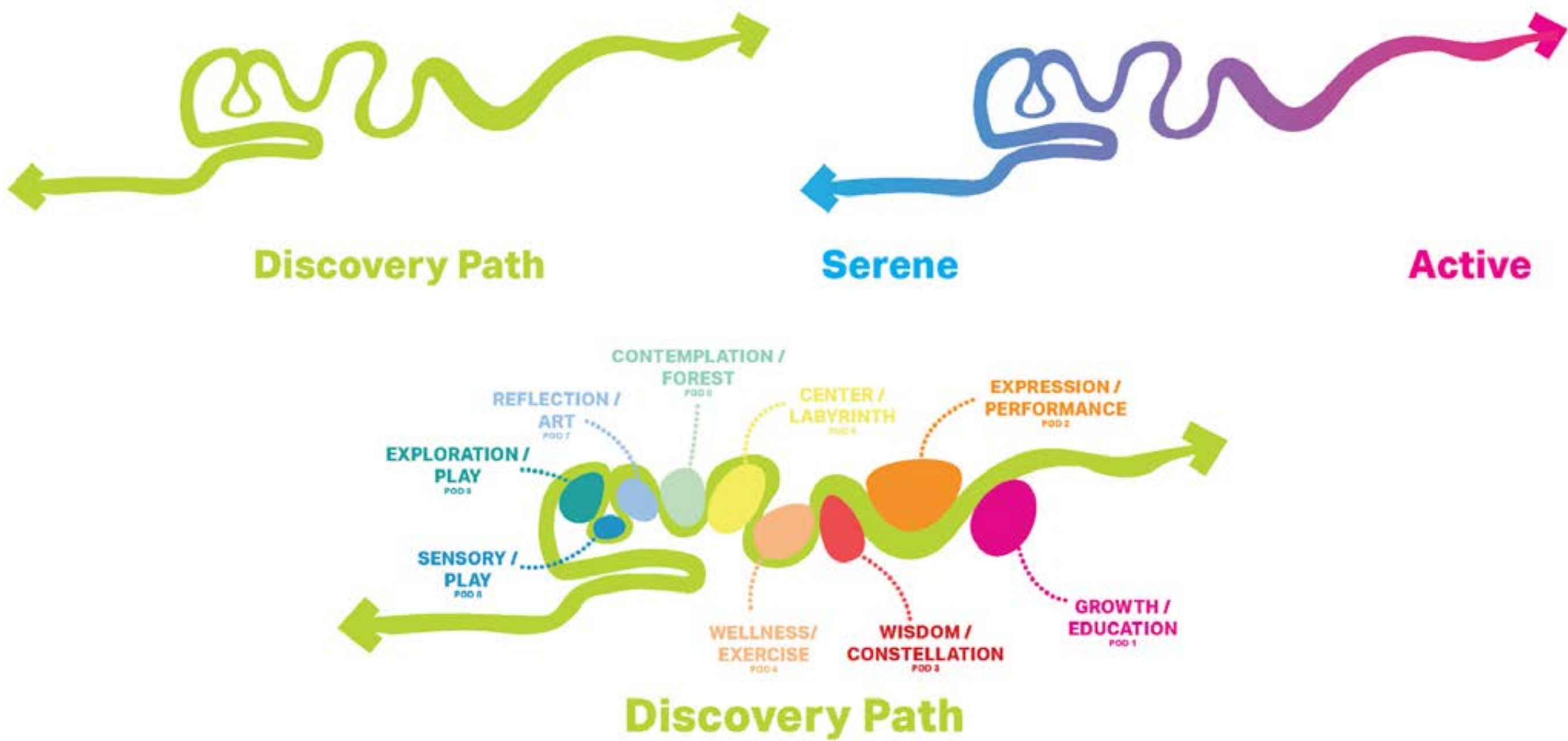
Lead discipline: **Landscape architecture**



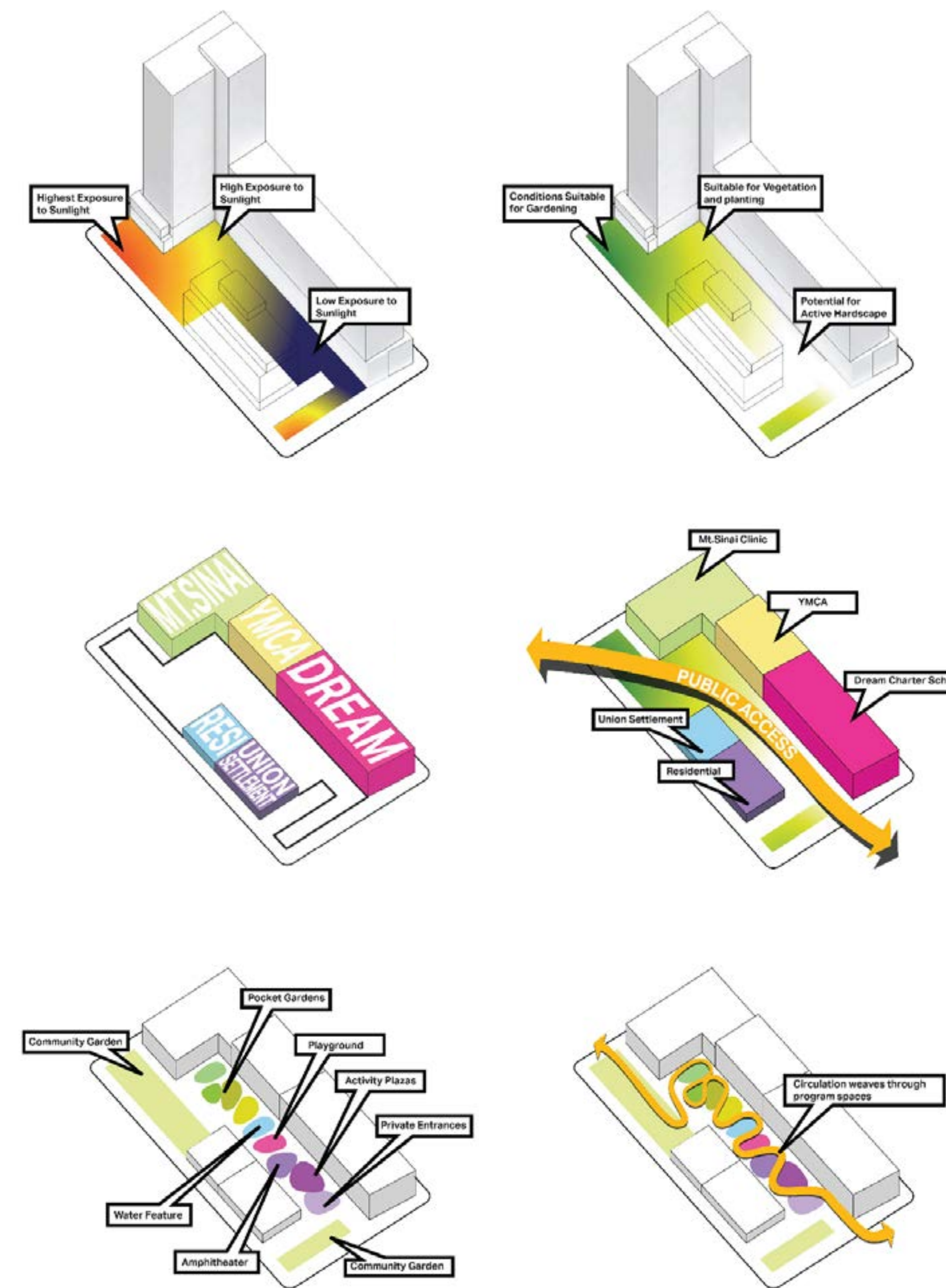
Sendero Verde, New York, USA

A new community in Harlem, New York City, Sendero Verde provides 100% affordable housing and new public open spaces, alongside new social, health, and educational programs to increase resident health and wellbeing. It will be the world’s largest development to meet Passive House sustainability standards and represents a new benchmark for sustainable and affordable urban housing.

We’ve created a fully accessible and highly programmed, privately-owned public open space (POPS) along with two new NYC Parks GreenThumb community gardens. The public courtyard design includes outdoor exercise areas, meditation gardens, play and educational features and a new signage scheme in compliance with New York City Department of City Planning standards.



Sendero Verde, New York, USA



Fermilab

Illinois, USA

Status: **Unbuilt**

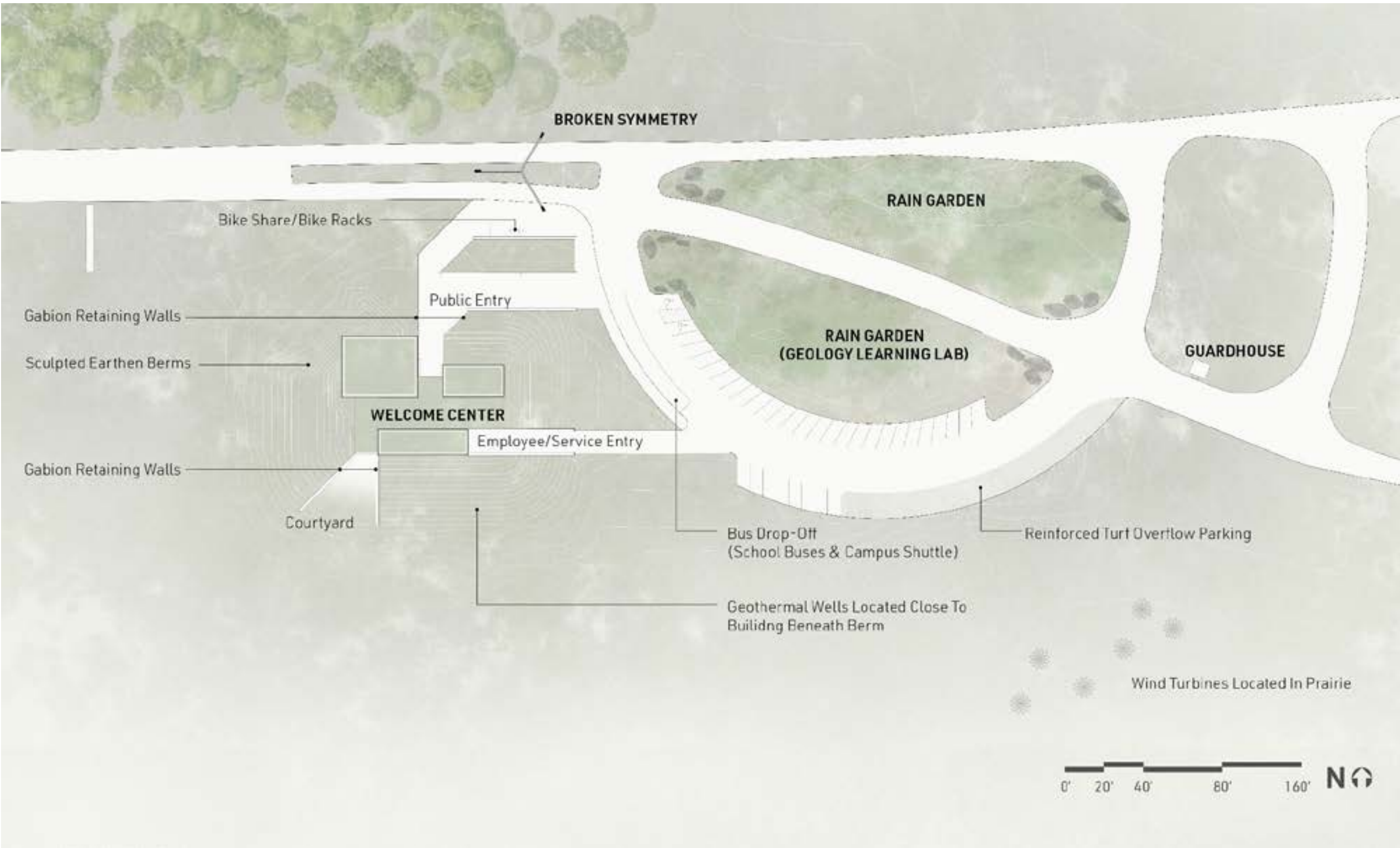
Lead discipline: **Architecture**



Fermilab, Illinois, USA

The Fermilab Welcome Center incorporates innovative strategies to achieve net-zero energy and work toward zero net carbon. These including a timber frame and cross-laminated timber (CLT) deck that sequester carbon, geothermal heating and cooling, and gabion retaining walls that incorporate rock from other projects on the campus. The intensive green roof that covers the structure integrates the architecture with the restored prairie while also managing stormwater.

Designed as three crystalline pavilions poking through the native prairie turf, earthen berms cover much of the building, blurring the lines between architecture and landform. In addition to joining the building to the land, the sculpted berms and native plant materials determine the glazing area, provide insulation, and cover geothermal wells used for heating and cooling with minimal disruption to the surrounding ecosystem.



Confidential Client

Illinois, USA

Status: **Built**

Lead discipline: **Interiors**



Confidential Client, Illinois, USA

This project was the culmination of our client's 10-year masterplan to re-imagine their global headquarters campus. The project focused on creating an employee experience environment that would reflect their spirit of innovation while addressing the needs of a transforming workforce.

Our client was challenged with over 31,000 square feet of outdated and underutilized space spanning six historic buildings at their global headquarters campus. Our challenge was to transform 31,000 square feet of outdated and underutilized space across six historic buildings into an employee centric hub 'The Union' that would be integral to the daily life of the approximately 9,000 people who would call it home. Our team's aim was to create a space that met at the intersection of employee experience, external influences of collegiate design, future work scenarios, and employee needs to overcome our client's challenges.



Estuary Commons Restoration

California, USA

Status: **Unbuilt**

Lead discipline: **Landscape architecture**

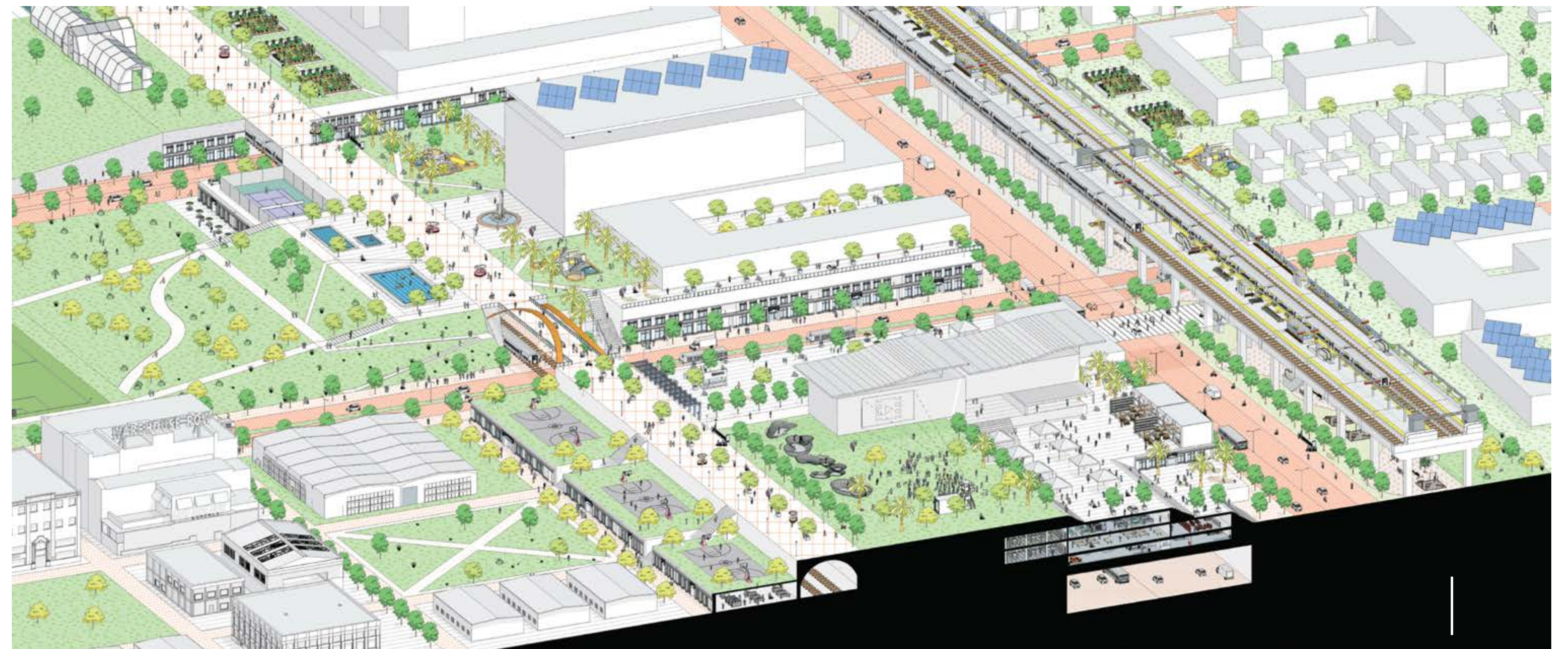


Estuary Commons Restoration, California, USA

The All Bay Collective's mission is to protect local neighborhoods and restore native habitats. The creation of Estuary Commons is rethinking the shoreline around San Leandro Bay. Through the construction of ponds, landforms, and expanded streams, the communities of Deep East Oakland, Alameda, and San Leandro. will not only be able to adapt to sea-level rise and groundwater flooding but will also have a new network of flourishing greenways to enjoy for generations to come.

San Leandro Bay—or the Estuary, as residents have long called it—is a microcosm of the Greater San Francisco Bay Area. The complex mix of environmental, social, economic, and political challenges confronting this estuary-within-an-estuary are both confounding and inspiring. As part of the all Bay Collective, our team approached these challenges by drawing on the Estuary's rich ecological past, the vulnerabilities of its present, and the drive of its residents to create an equitable, resilient future.

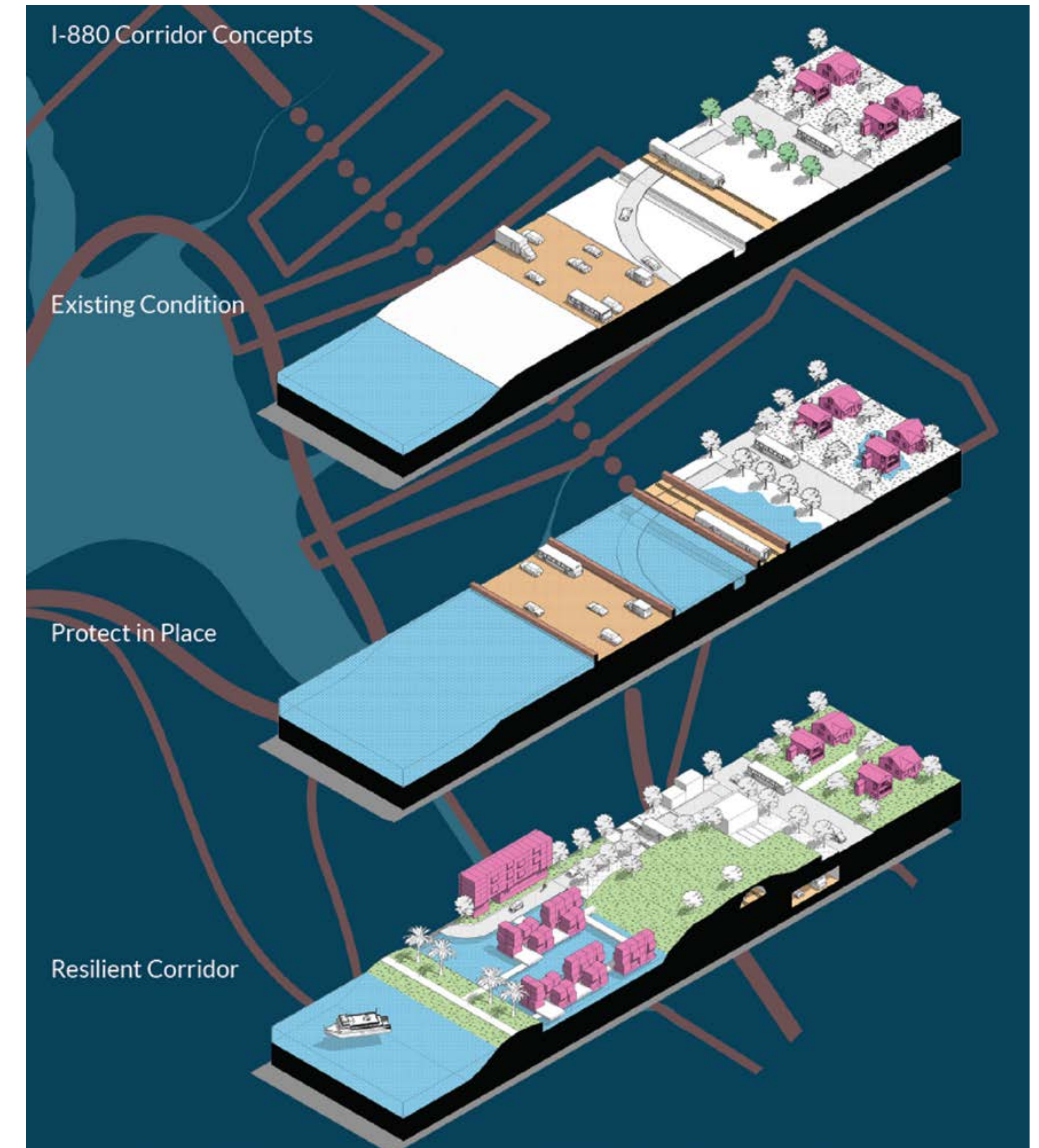
Through listening, learning, and co-designing with stakeholders throughout the design process, we embraced the values of sustained collaboration and community-driven resilience.



Estuary Commons Restoration, California, USA

Our unifying idea of the Estuary Commons builds on these values to envision a shared, working landscape that is managed for the benefit of all. In this landscape, community priorities are at the heart of important decisions and residents prosper in harmony with rising tides.

Our series of project working groups brought stakeholder and community representatives together to foster dialogue about the design, the Estuary's future, reveal efforts that were already underway to address the Estuary's vulnerabilities and identify future partnerships.



Nokia Headquarters, Sunnyvale

California, USA

Status: **Built**

Lead discipline: **Interiors**



Nokia Headquarters, Sunnyvale, California, USA

Over the past few years, Nokia has been updating their offices and consolidating their global real-estate footprint. In Menlo Park, California six major business units were consolidated into one new 225,000 square foot office, in order to create a highly functional and cross-collaborative workplace. One quarter of the building is dedicated to lab space, a new executive briefing center and a large multifunction cafeteria.

The user experience was the primary driver for the design, so we engaged leadership every step to ensure the space supports employee needs. A visual connection to the company's Scandinavian heritage was also important. This can be seen throughout the space in the biophilia, plants, and use of natural materials such as stone, quartz and terrazzo.



Nokia Headquarters, Sunnyvale, California, USA



The simple and elegant design also maintains practicality for everyday use. Sustainability, energy use, and access to daylight were key considerations throughout the design process as was incorporating work from local artists throughout the space. A visual 'lab experience' helps to showcase the company's technology and emphasize their progressive offerings.

Emirati Villa Housing Prototype

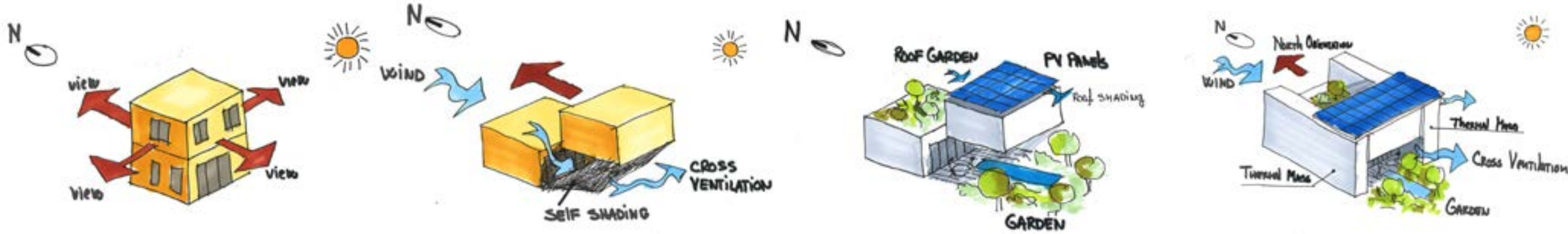
Dubai, UAE

Status: **Built**

Lead discipline: **Architecture**



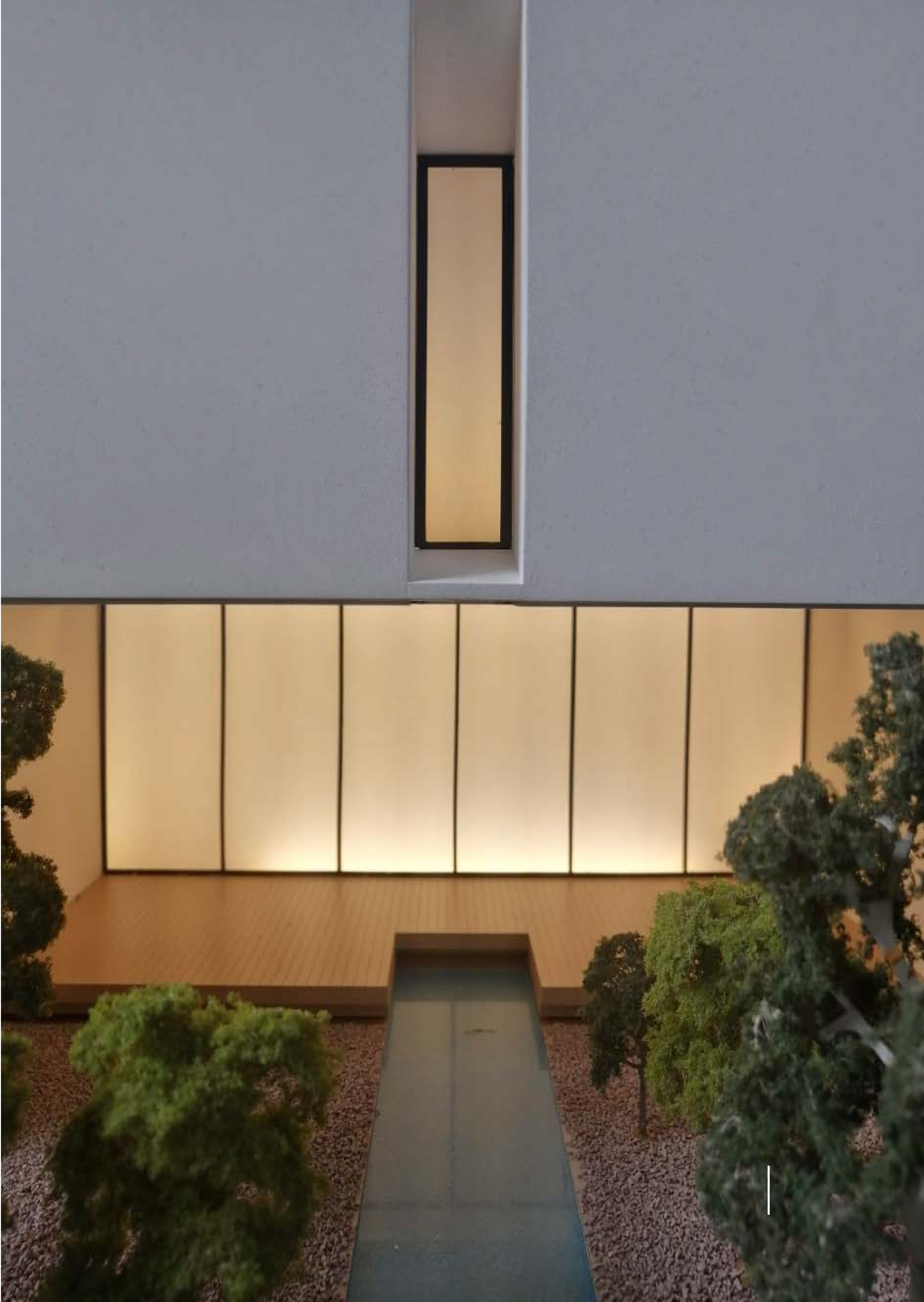
Emirati Villa Housing Prototype, Dubai, UAE



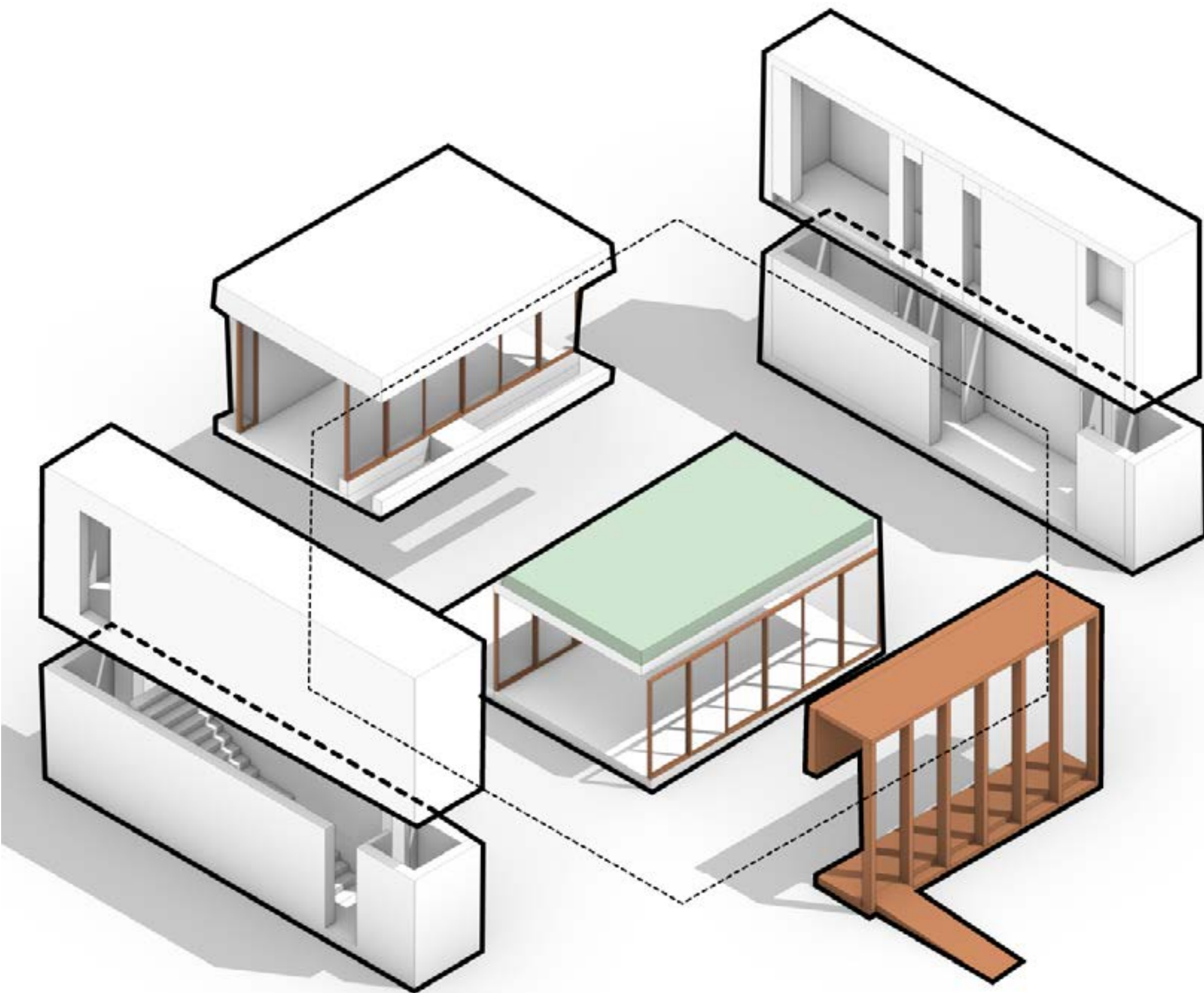
50% Power Consumption Decrease

Designed and built in collaboration with Khalifa University in Abu Dhabi, this project aimed to develop a new housing prototype for young Emirati families.

Our vision placed wellbeing at the center of the experience to create an energy independent, solar house as a prototype for mass production. To achieve energy independence, we incorporated passive design principles in response to the local climate. This resulted in a 50% reduction in energy demands, compared with traditionally designed local villas.



Emirati Villa Housing Prototype, Dubai, UAE



Assembly diagram of design for manufacture modules

The prototype design not only included high-end technological amenities. We used and combined these to create an aesthetically pleasing and performance driven architectural and interior design. The simple aesthetic allowed for an easy understanding of the space and the application of innovative passive sustainable technologies to create a timeless simplicity.



Dubai Expo 2020

Dubai, UAE

Status: **Built**

Lead discipline: **Landscape architecture**

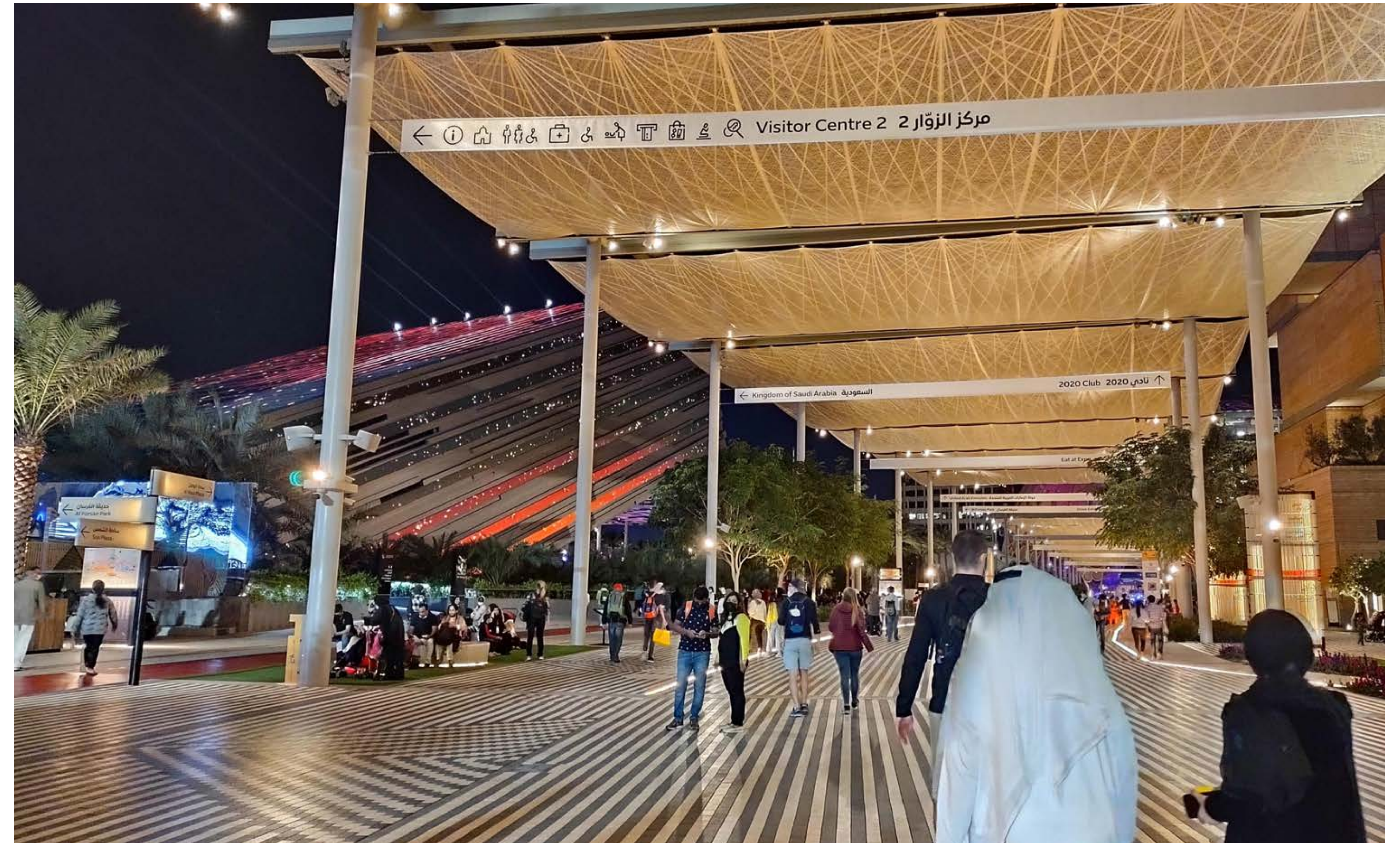


Dubai Expo 2020, Dubai, UAE

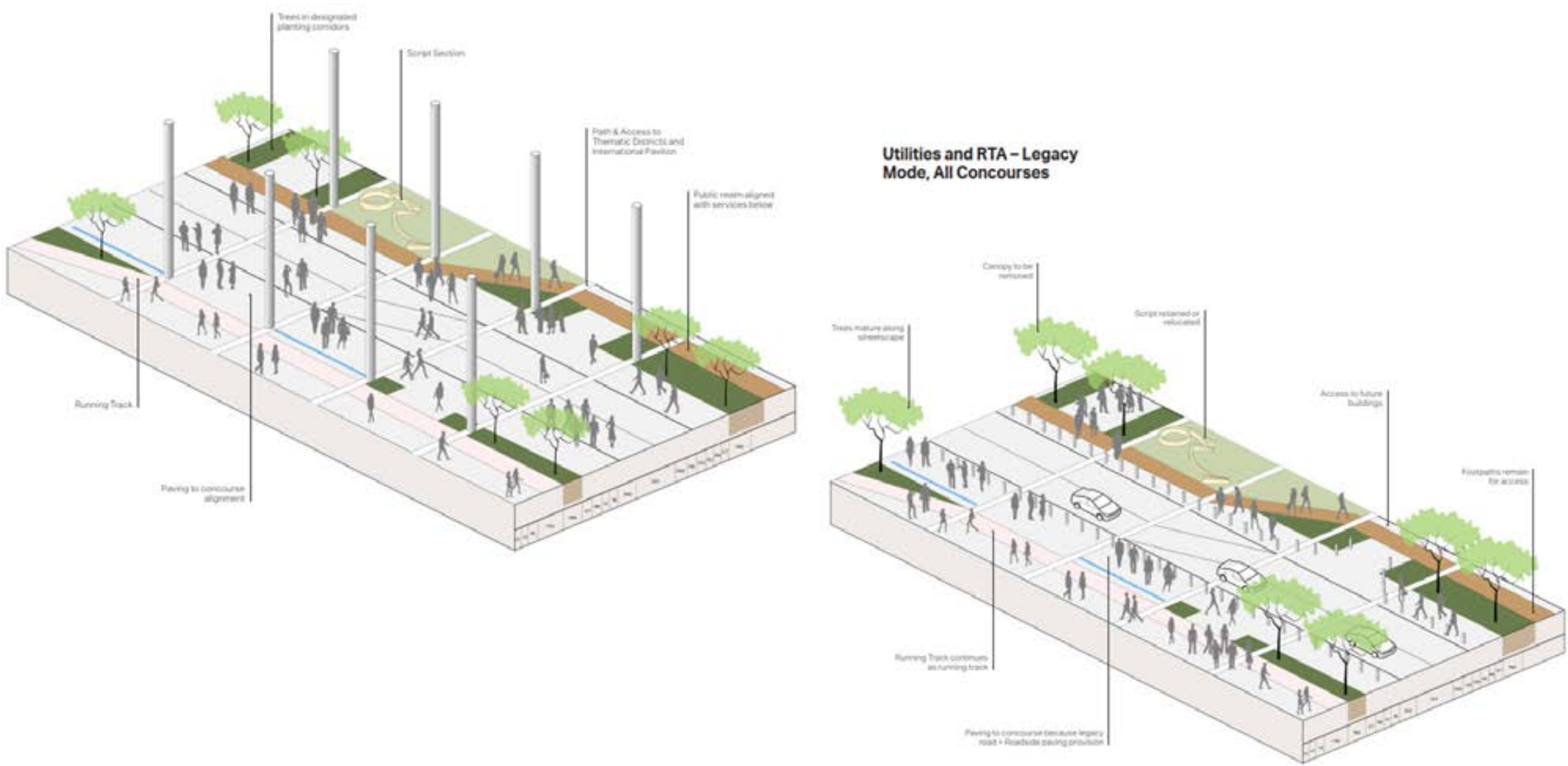
The development of the public realm for the Dubai Expo 2020 was an immensely complex and significant project covering 45 hectares and visited by more than 24 million people over six months.

Each concourse was an exemplary demonstration of how sustainable streets and public realm design can embrace technology and advancing mobility systems. By integrating future utility and municipal road requirements, the design anticipated the post-event legacy and planned for the majority of the streetscape to be retained and adapted for reuse.

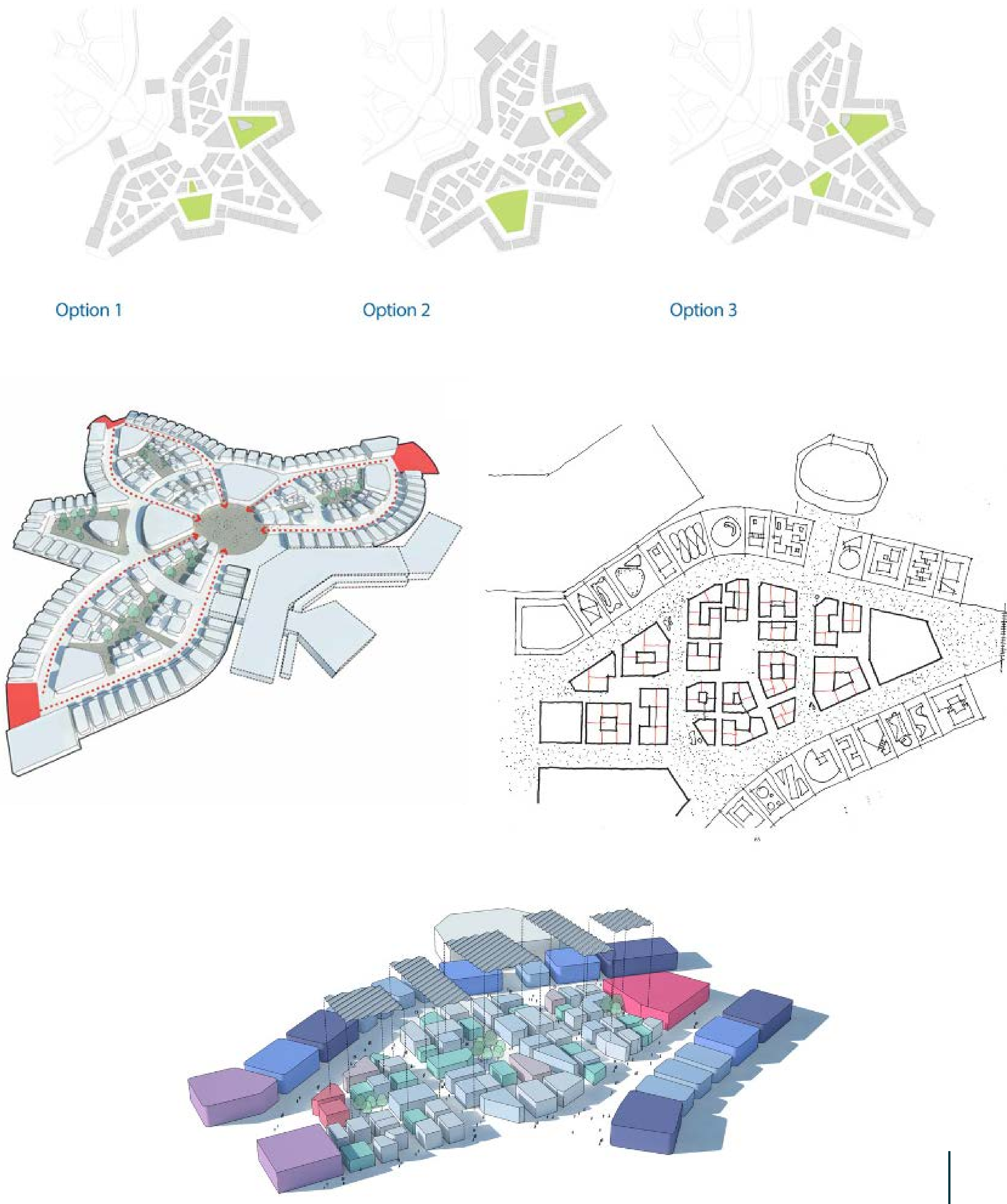
A sustainable planting concept spanned the site showcasing plants native to the UAE and used irrigation systems to meet the challenging sustainability targets set by EXPO 2020.



Dubai Expo 2020, Dubai, UAE



Our design has set a replicable benchmark for sustainable environments of the future, satisfying the BREEAM / CEEQUAL certification and delivering the first event project in the world to achieve a Design & Construction rating of Excellent.



Centers for National Resilience

Multiple cities, Australia

Status: **Built**

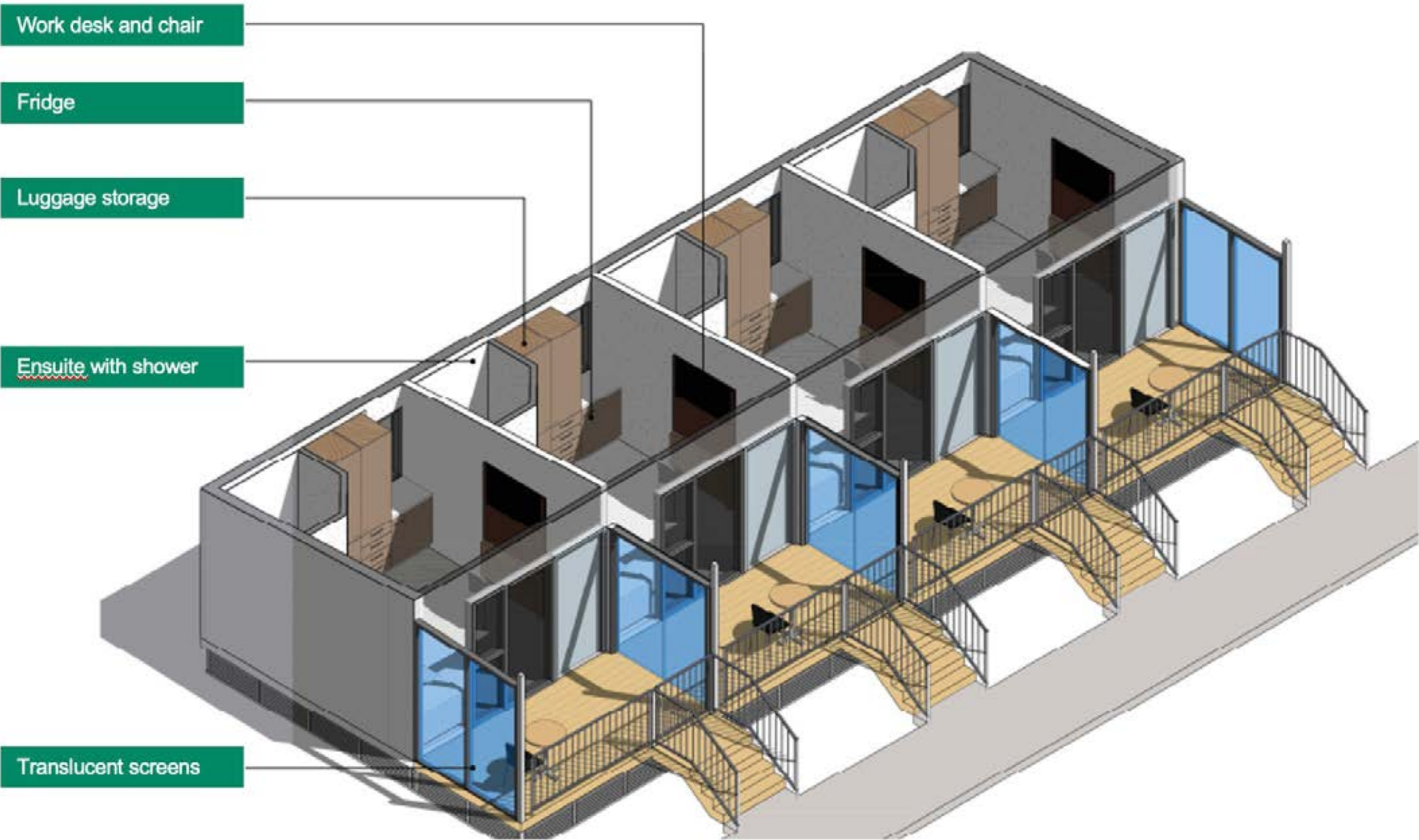
Disciplines: **Master planning, Architecture, Landscape architecture, Engineering, Cost management**



Centers for National Resilience, Multiple cities, Australia

The Centers for National Resilience provide purpose-built quarantine accommodation across Australia. These facilities are fully self-contained and emulate the successful Howard Springs facility model which our architecture team developed in 2012 as part of improving remote resource accommodation for the mining, oil and gas industry.

Our team supported the Commonwealth Government in the role of design and technical advisor to provide master planner, architect, landscape architect and engineering services for three strategic facilities located in Melbourne, Brisbane and Perth, which provide capacity for ongoing use in future health crises, national emergencies and humanitarian responses.



Centers for National Resilience, Multiple cities, Australia



The design approach for all three facilities considers resident wellbeing through high levels of design amenity and a considered approach to the master plan, architecture and landscape. The landscaping was designed to provide a visual amenity to residents whilst they served their quarantine. The development of a new and different modular verandah helped to provide the much needed respite from the room and further pushed the boundaries of typologies.

Many of the buildings were constructed offsite, using several modular fabricators from across Australia, allowing for the fast-track of the construction to take place concurrently with the civil works.

The rapid deployment and operation of these facilities will provide relief and resilience to the Australian community in the short term, as well as multi-purpose facilities that can play a role in supporting the communities for the longer term.

SANY Group R&D Center

Kunshan, Mainland China

Status: **Built**

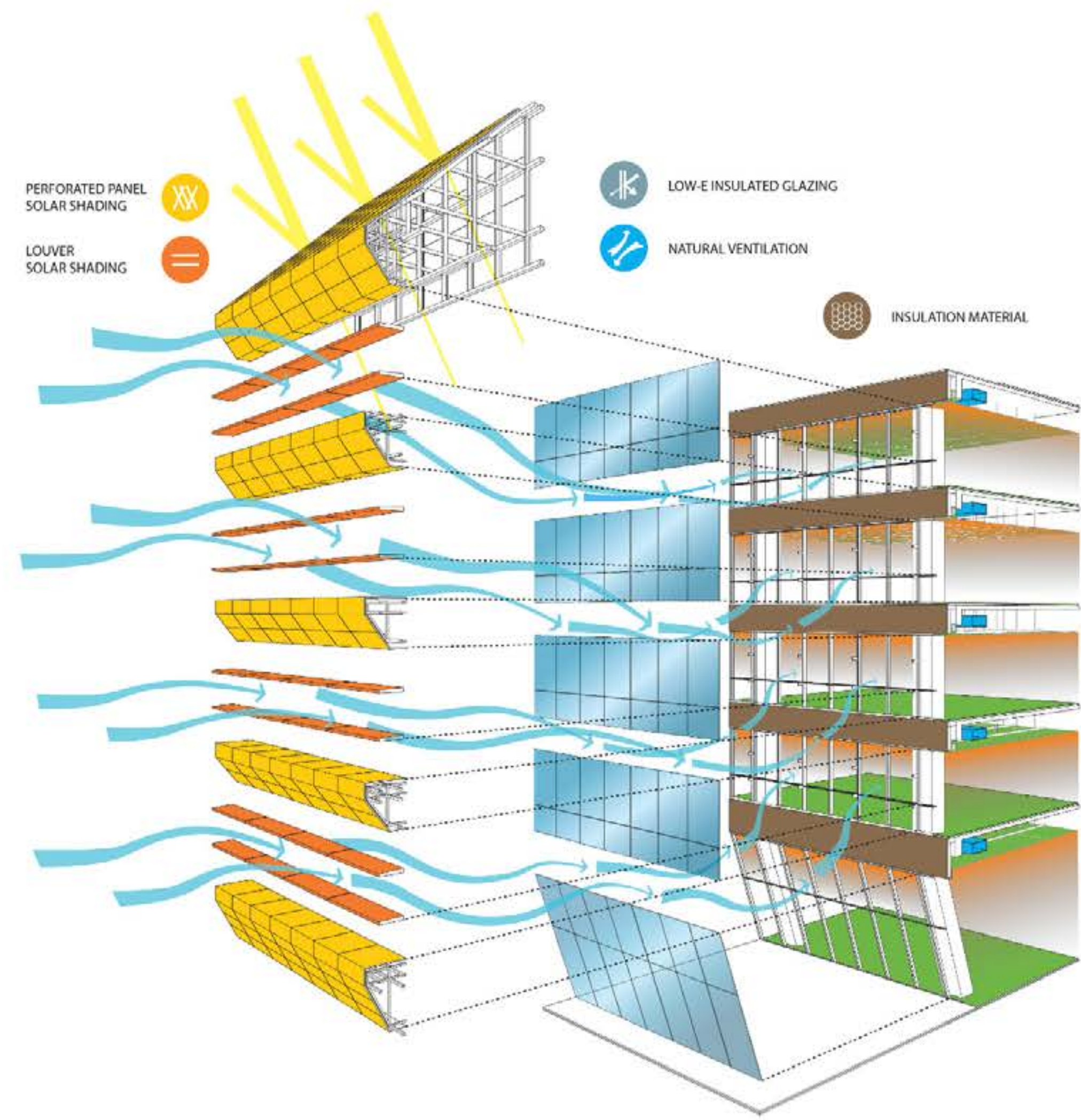
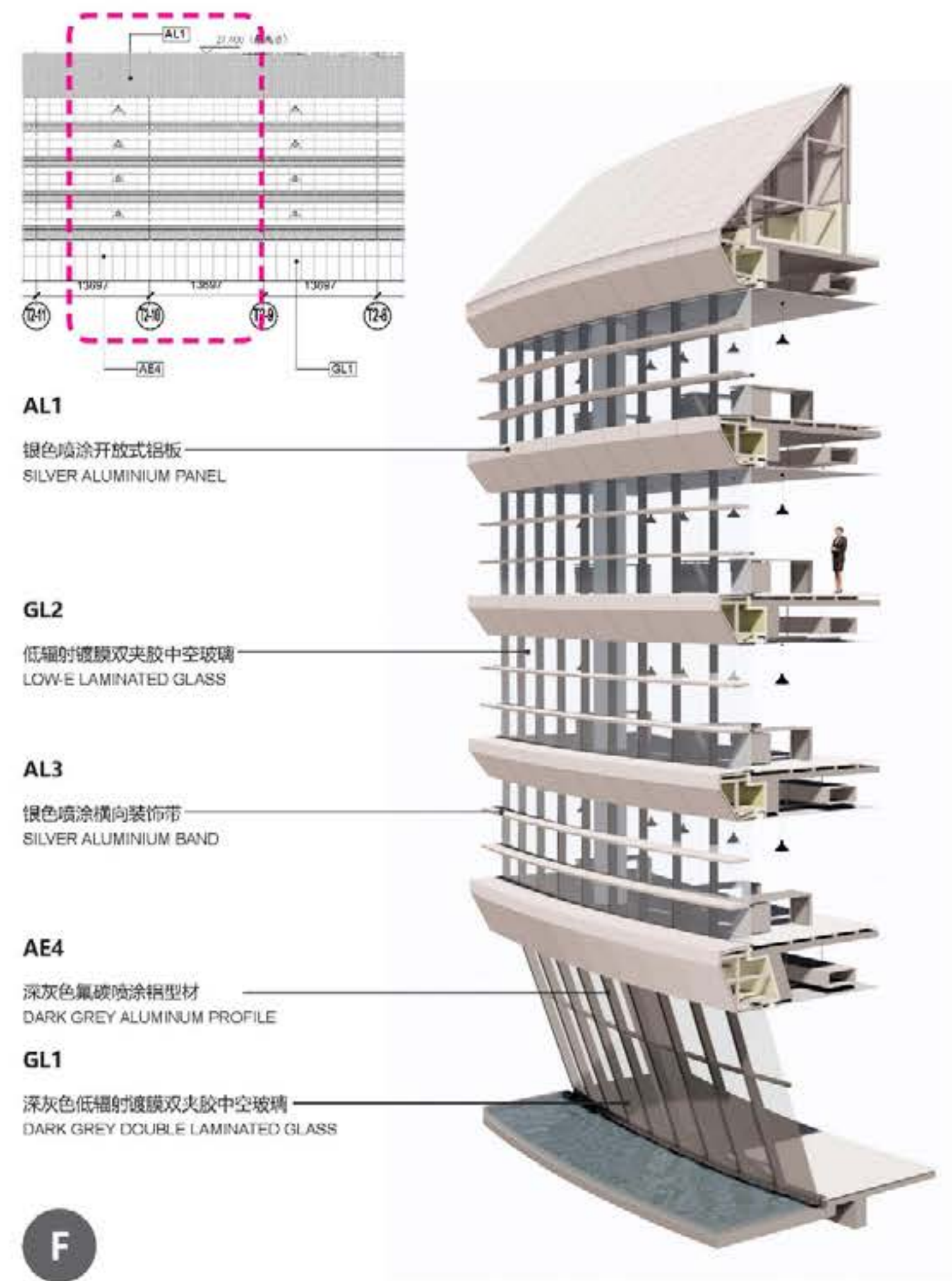
Lead discipline: **Architecture**



SANY Group R&D Center, Kunshan, Mainland China

The SANY Group R&D Center in Kunshan is a fundamental component of SANY Group’s future strategy. It will become the first excavator production R&D center in Mainland China, that incorporates production facilities and exhibition rooms.

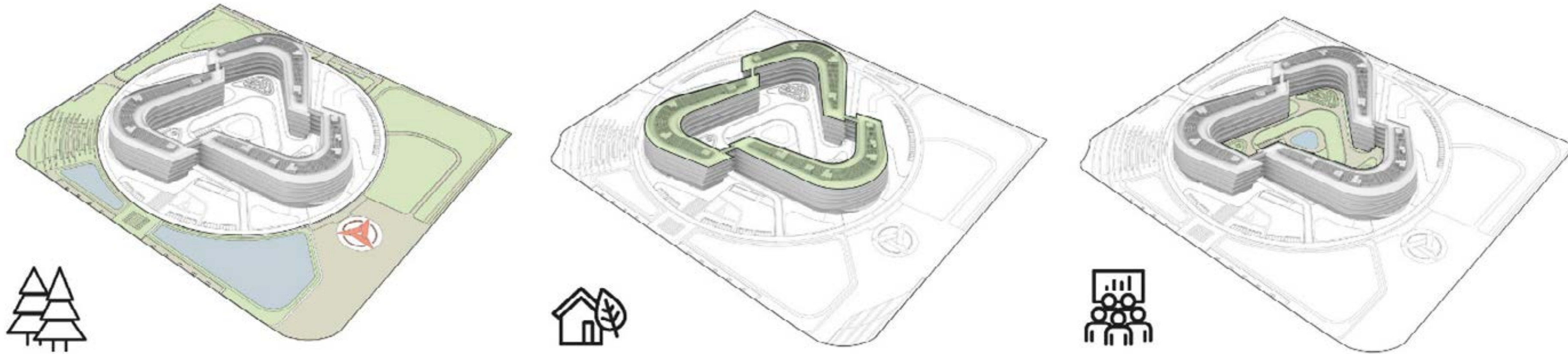
Located 90 minutes from Shanghai, the new, internationally oriented R&D center provides an ideal work environment for more than 3000 employees that is integrated with nature.



SANY Group R&D Center, Kunshan, Mainland China

Inspired by SANY's brand and company culture SAN 三 YI 一, three become one. The three dynamic buildings host independent functions that linked together by bridges, work as a highly calibrated machine and separate the exterior from an internal courtyard containing a multifunctional space.

The landscape around the buildings works as a natural platform that immerses the offices, administration, and laboratories in a lush green environment that increases wellbeing and productivity whilst also offering the opportunity to rest and stay in close contact with nature.



SANY Group R&D Center, Kunshan, Mainland China

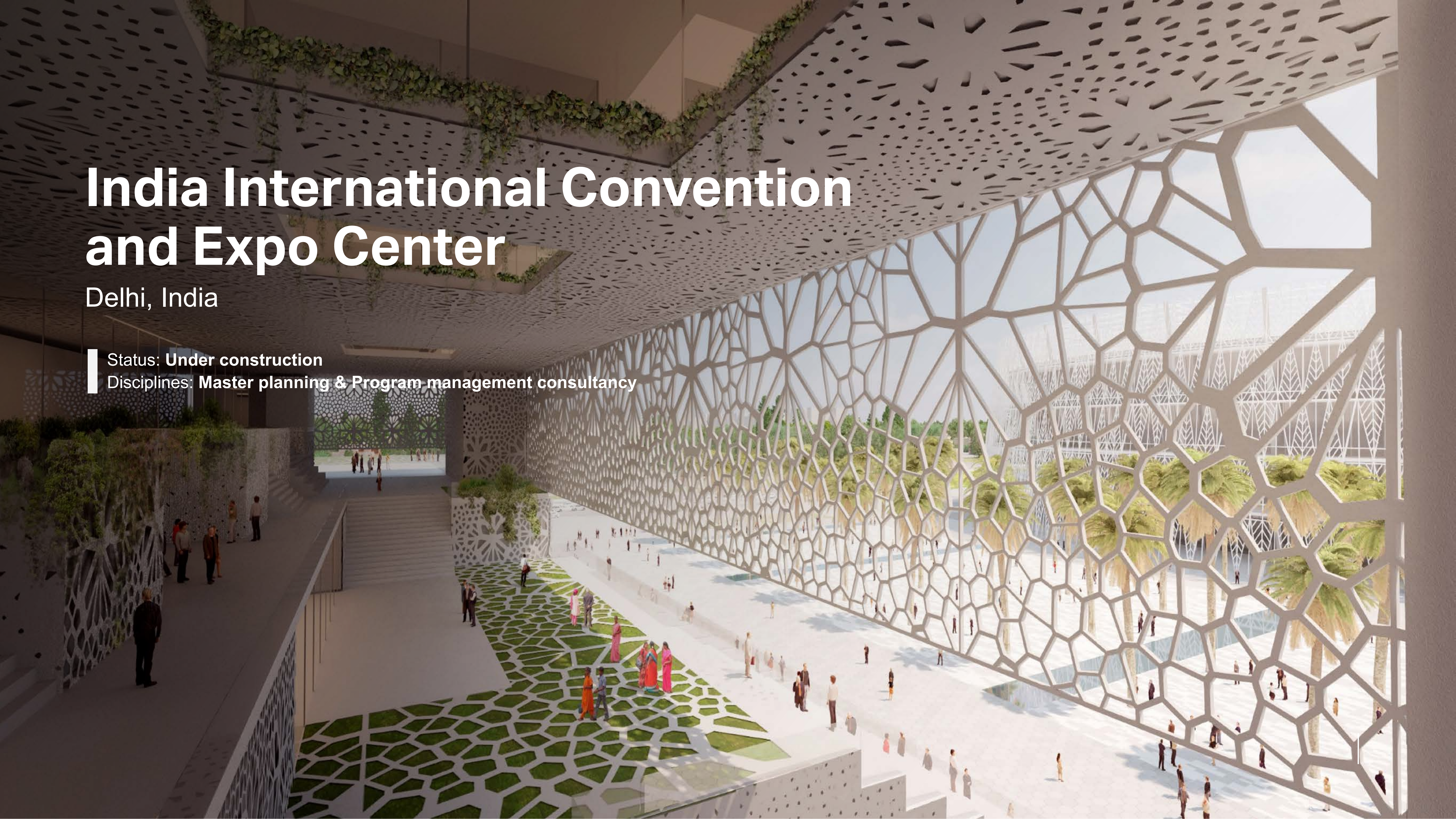


India International Convention and Expo Center

Delhi, India

Status: Under construction

Disciplines: Master planning & Program management consultancy



India International Convention and Expo Center, Delhi, India

This greenfield, mixed-use project the size of a Central Business District (CBD) will be a catalyst for future development of the Delhi National Capital Region. Designed as a destination reflecting the innovation, culture and architectural expression of India, the project positions India on the global meetings, incentives, convention and exhibition map.



Philippines Senate Building

Manila, Philippines

Status: **Unbuilt**

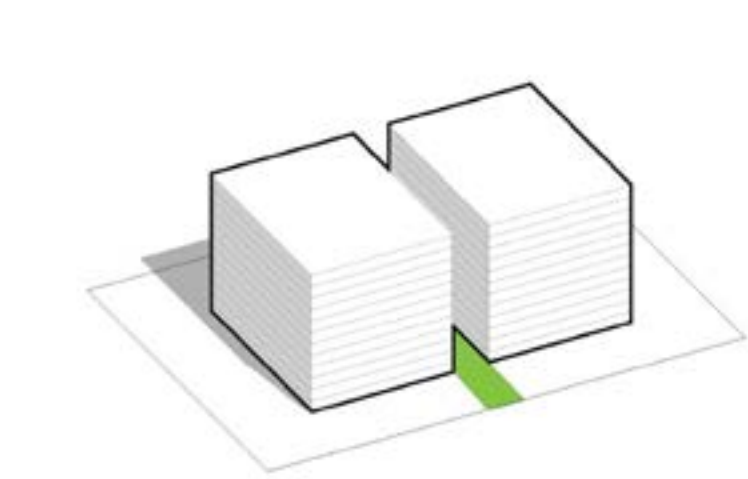
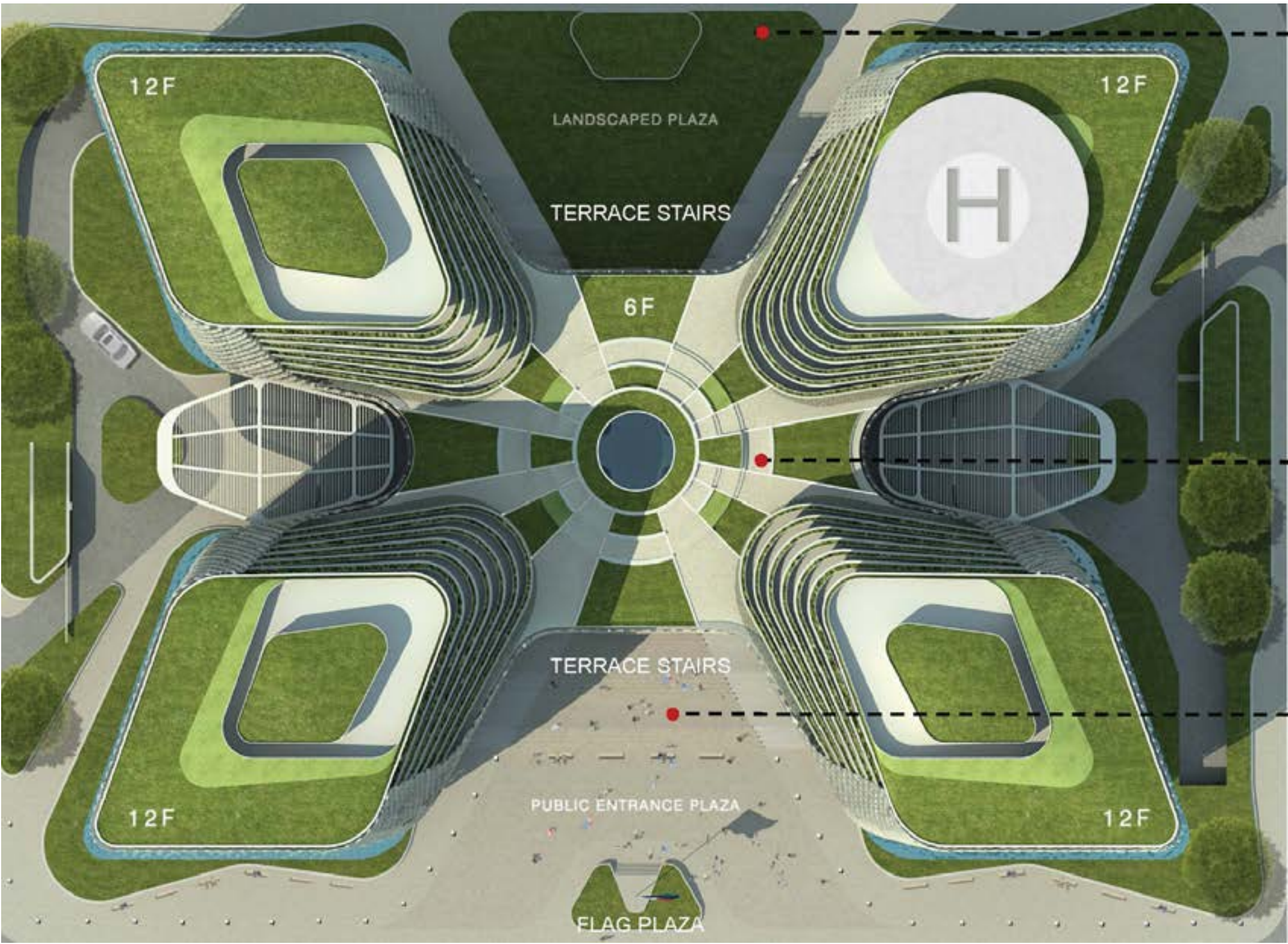
Lead discipline: **Architecture**



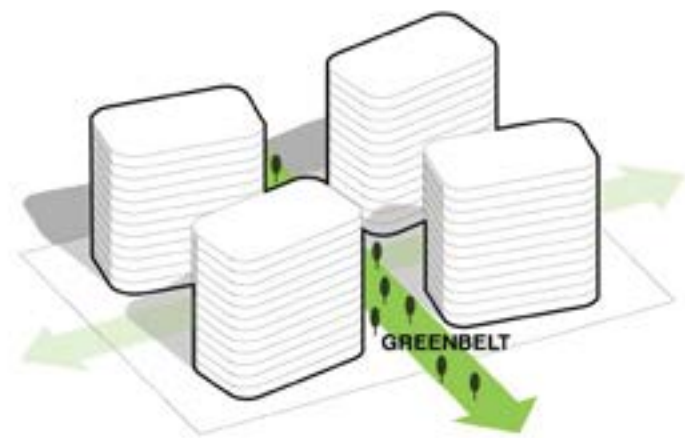
Philippines Senate Building, Manila, Philippines

The senate building is envisioned to be an icon and example setting piece of architecture in Manila’s Navy village, located within Fort Bonifacio overall masterplan.

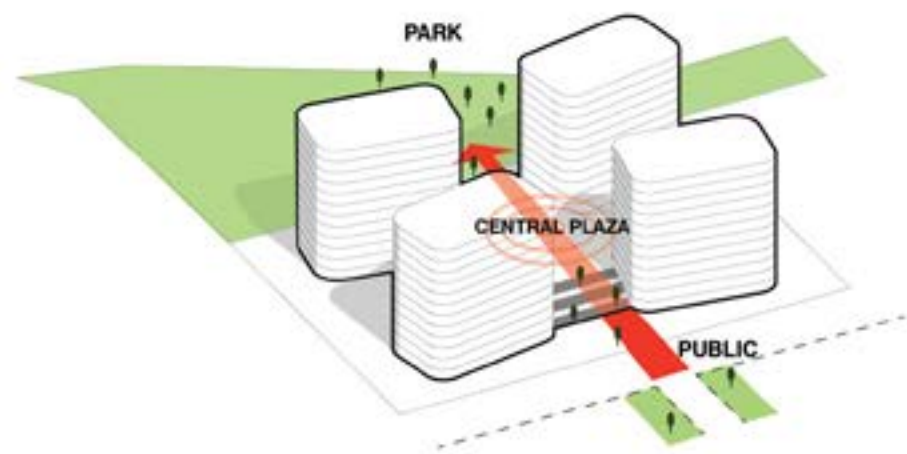
As a formal government building, ideals of equality were an important consideration in the concept generation, resulting in an equal and symmetrical form. The sun in the Filipino flag represents the eight provinces of Philippines, embodying ideas of unity and independence, merging together into a powerful central core. The sun thus became an inspiration for the form generation, with the rays of the sun projected into four equal buildings and plazas, which sit naturally on the rectangular site.



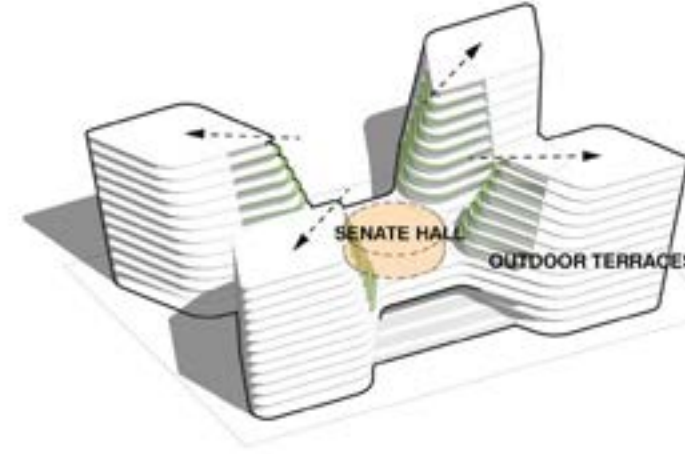
MAXIMUM GFA STUDY
IN THE EXISTING SITE



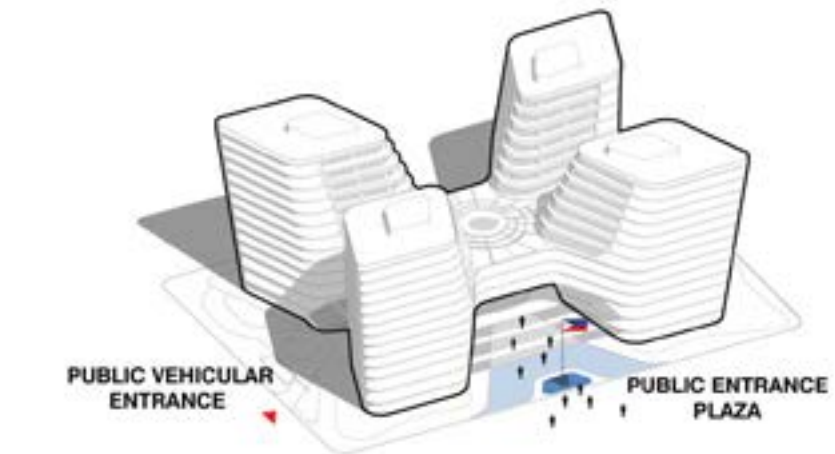
VISTA/AXIS -
GREENBELT AND CIRCULATION ACCESS
SPLIT BUILDING INTO FOUR PARTS



RAISED CELEBRATION PLAZA -
CENTRAL PLAZA CONNECTED WITH
PARK AND PUBLIC CIRCULATION



BALANCED COMPOSITION -
SENATE HALL CONNECTED WITH
FOUR TOWERS



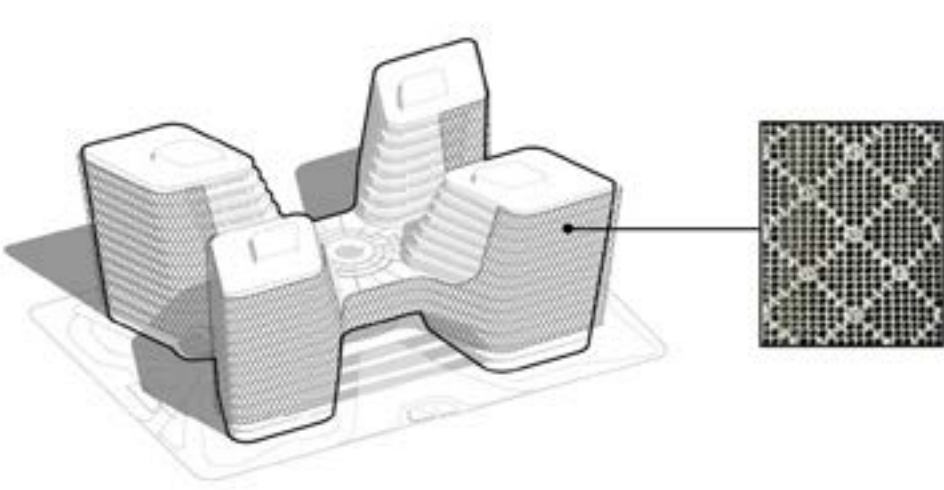
VEHICULAR & PEDESTRIAN
CIRCULATION/ACCESS
SEPARATED THE PUBLIC AND
SECURITY ENTRANCE



BUILDING AS LANDSCAPE -
GREEN ROOF AND TERRACING
ENHANCE BUILDING'S RELATIONSHIP
WITH THE SURROUNDING PARK



VEHICULAR & PEDESTRIAN
CIRCULATION/ACCESS
SEPARATED THE PUBLIC AND



FACADE-BARONG TAGALOG COSTUME
PROTECT THE SENATORS AS
A PRIVACY SCREEN AND BRISE SOLEIL

Philippines Senate Building, Manila, Philippines



Located in the central bridging space of the four buildings is the session hall, where the Senate comes together and interfaces with the public. The four buildings also represent the four pillars of democracy, reflecting the ideas of Justice, Equality, Freedom and Representation.

The Filipino culture is an important aspect of the architecture. The internal terracing of the building; and raised celebration plaza is inspired by the indigenous Banaue rice terraces, frequently referred to as the 'eighth Wonder of the World'. The building sits on a strong stone plinth, reflecting the vernacular Bahay na bato houses, which typically have a solid base constructed of stone or brick. The building skin and sunshading pattern is inspired by the Barong Tagalog, an embroidered formal shirt made of indigenous piña fiber, adapted to the Philippine climate. The sunshading also provides thermal comfort and forms a visual representation of the Filipino heritage, culture and nationalism.

Industry X.0 Center, Accenture Bilbao

Bilbao, Spain

Status: **Built**

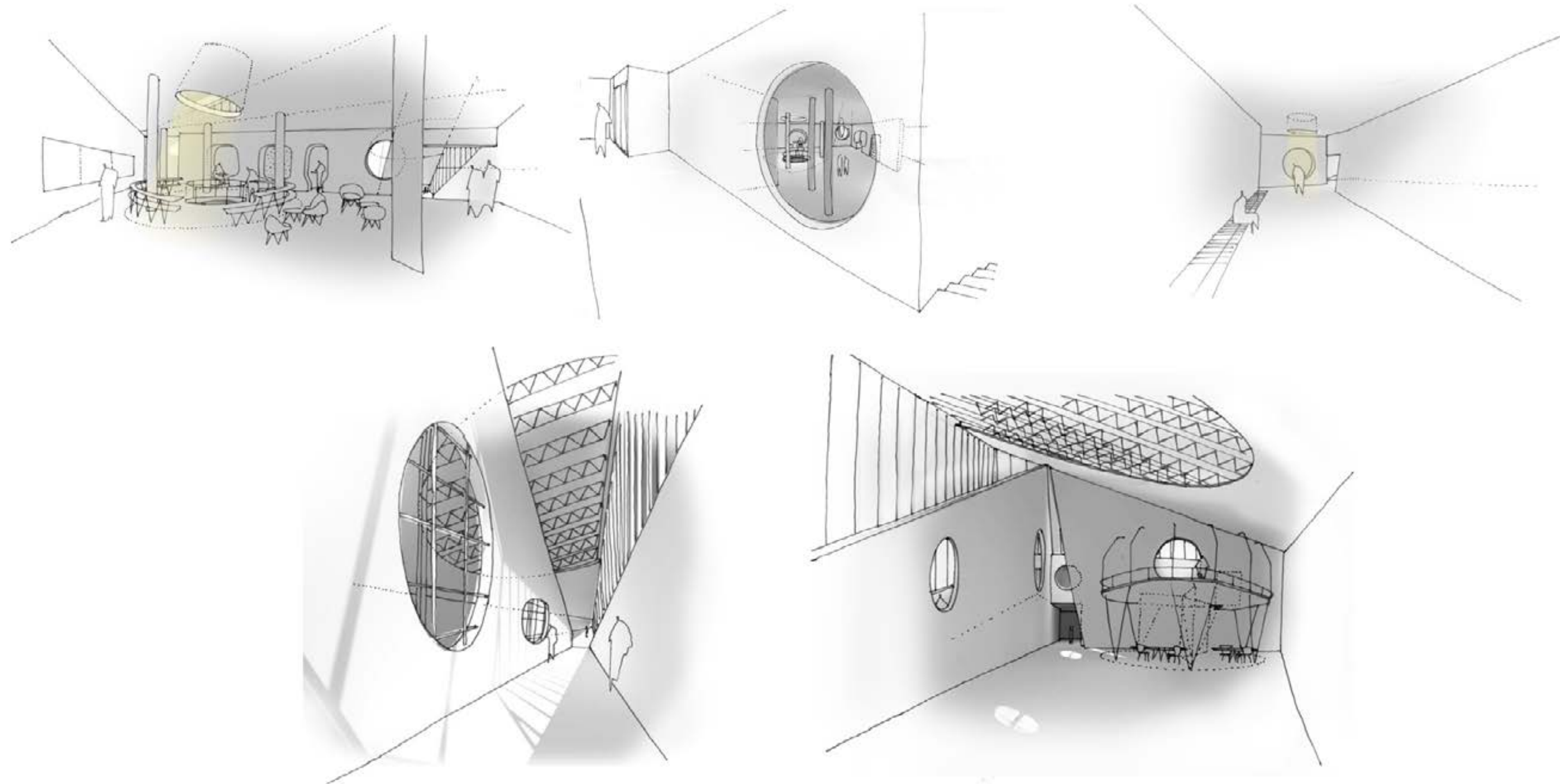
Lead discipline: **Interiors**



Industry X.O Center, Accenture Bilbao, Bilbao, Spain

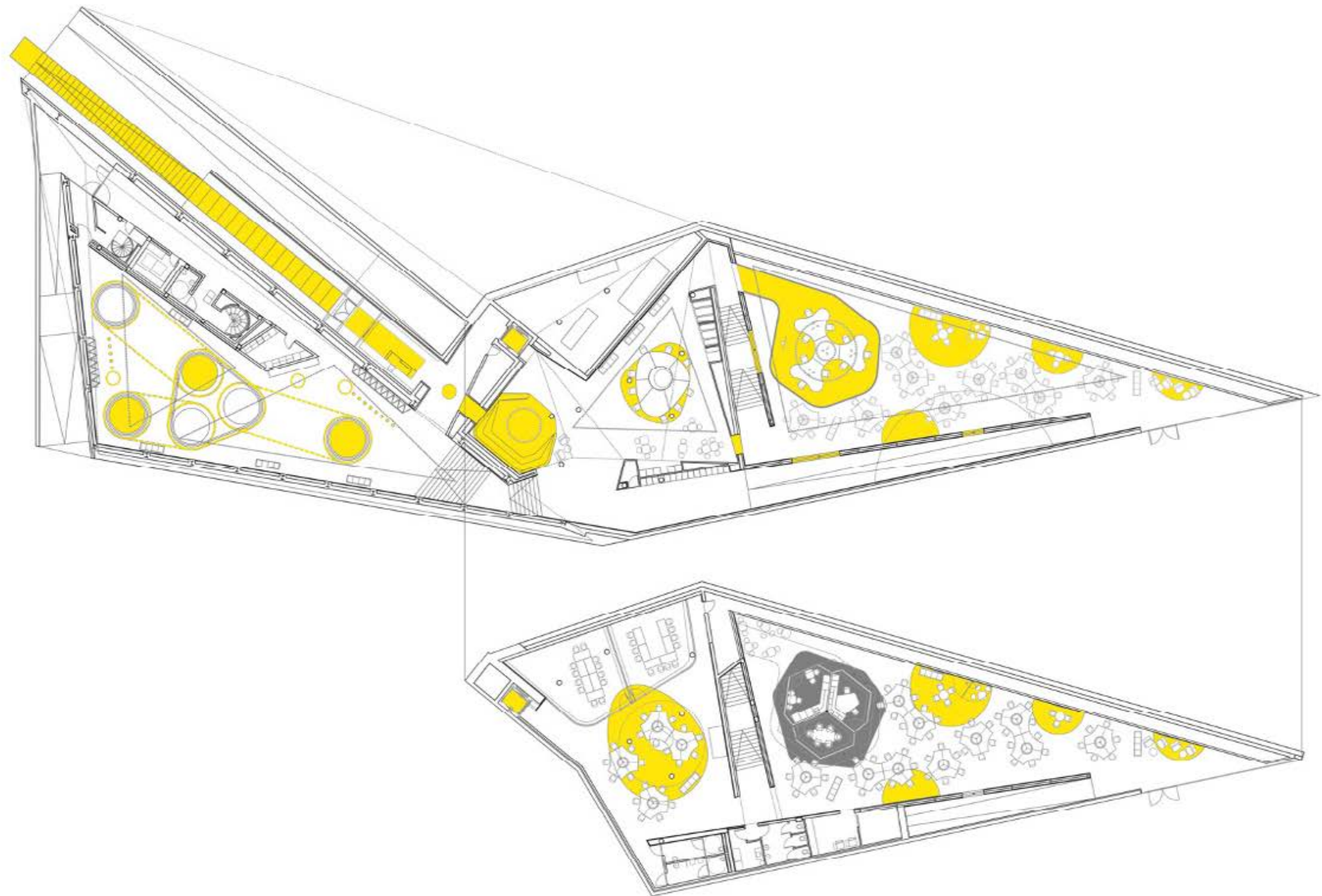
Accenture Bilbao's Industry X.O. Center is a technology and innovation center. The project transcends the fields of interior design, reducing the exterior image of the building through graphics and resorting to a set of strategic interventions.

The original access to the building was relocated, moved from its western end, to the center of gravity. The construction of a new mezzanine in the highest part of the collaboration room, provides a privileged space for meetings and a panoramic view.



Industry X.O Center, Accenture Bilbao, Bilbao, Spain

The use of holes in floors, walls and roofs, help to introduce natural light; open up new views that cross the labyrinthine museum spaces to facilitate the orientation of the users of the building and reveal the original tectonics and industrial character of the building which were previously hidden behind the uniform white finish.



Escuela 42

Barcelona, Spain

Status: **Built**

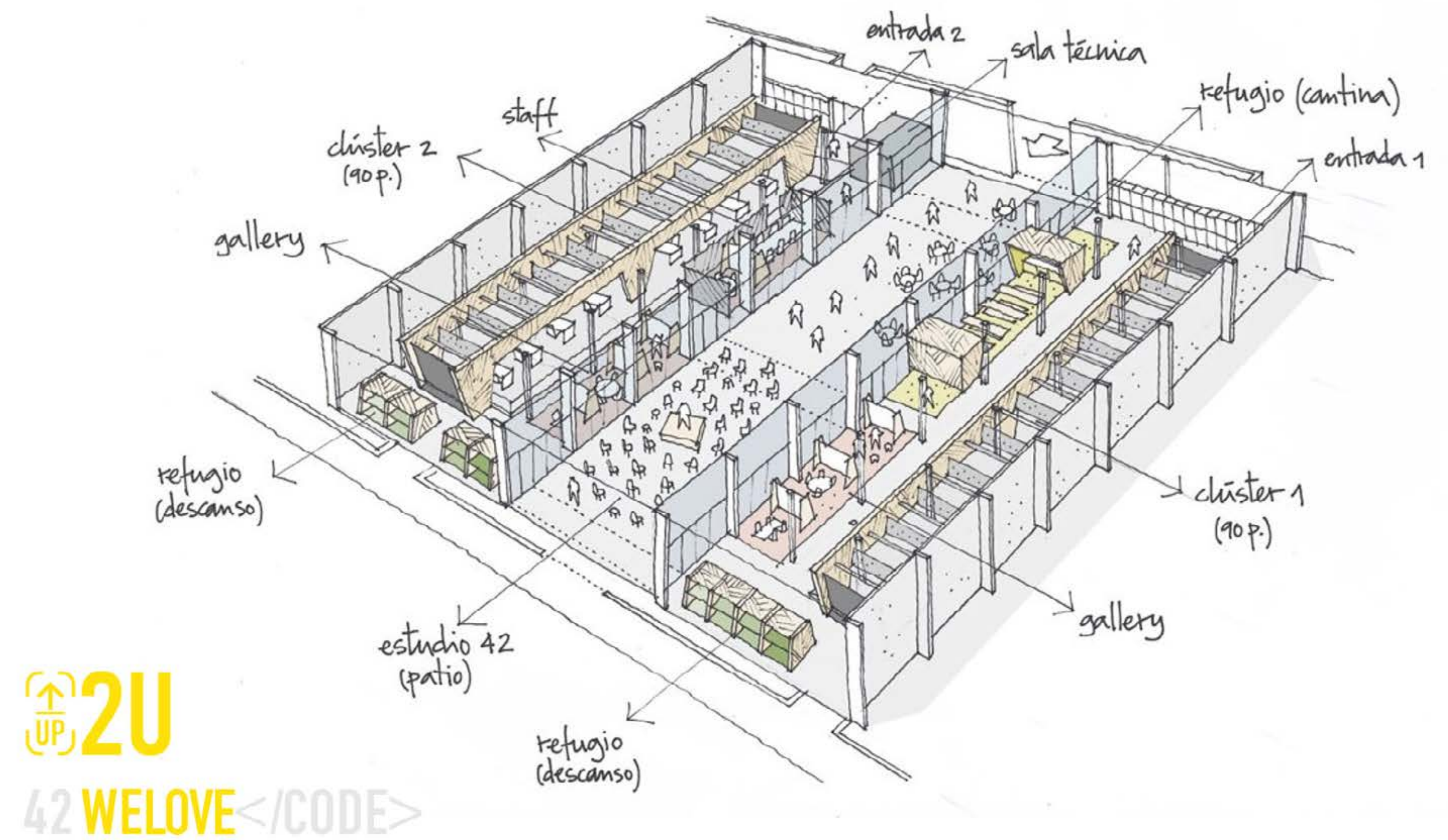
Lead discipline: **Interiors**



Escuela 42, Barcelona, Spain

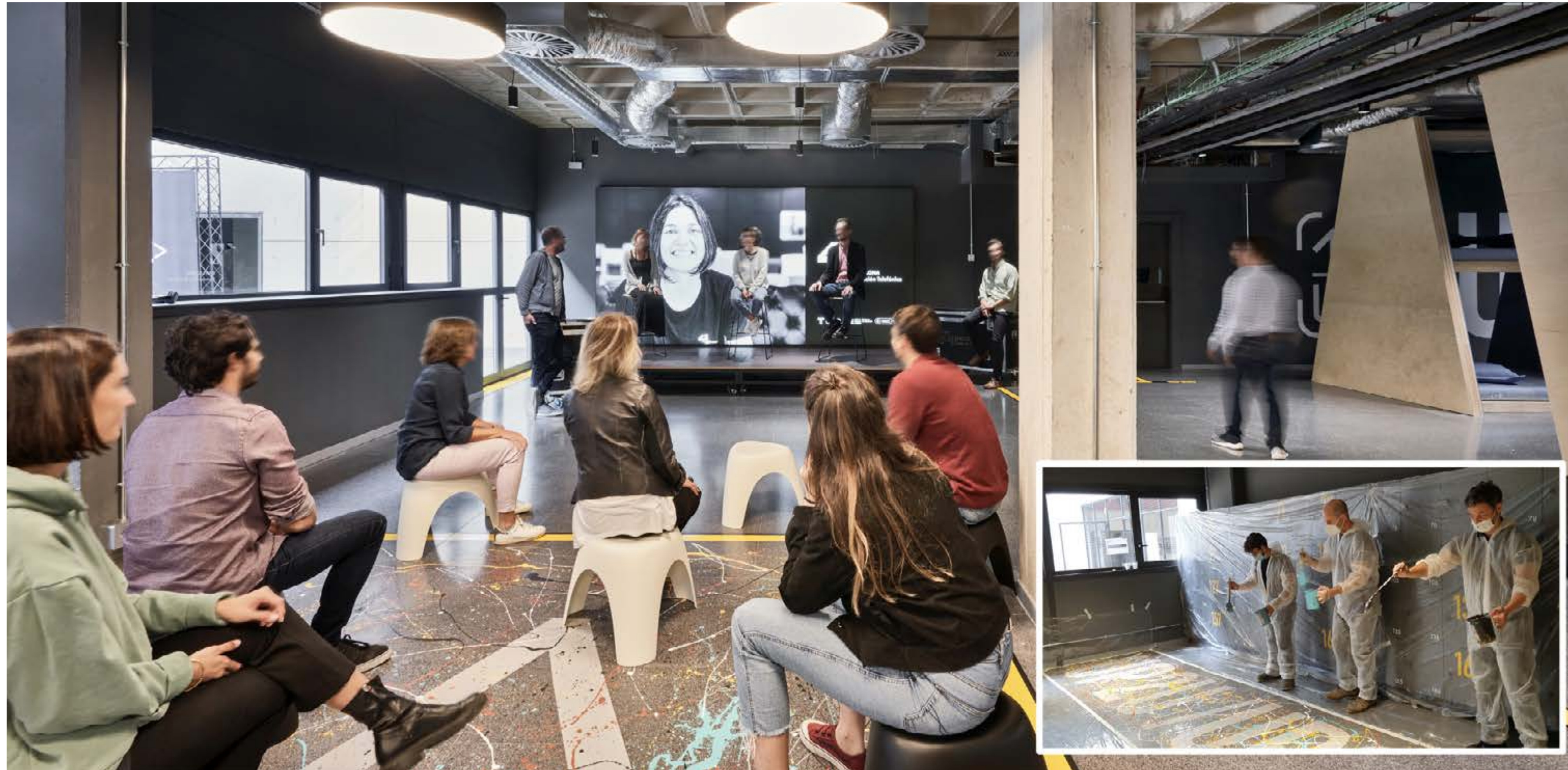
Against all logic, learning environments have not radically evolved over the last century. The recent pandemic heightened the shortcomings of this slow evolution. 42 School and its disruptive model is challenging the system, providing new modern ways of learning that include peer-to-peer pedagogy and project-based training: teacherless and bookless.

42 School's position is unique in the world of higher education. It is based on the strong value of a sustainable professional integration in the labor market. Since its creation in 2013, 42 School has been committed to offering the best computer science and IT training in line with its strong values of inclusivity, open culture, tuition-free, and always aiming at excellence.



UP 2U
42 WELOVE</CODE>

Escuela 42, Barcelona, Spain



Inclusivity Everyone can code and work in it. 42 School refutes gender stereotypes and welcomes students from disadvantaged backgrounds, those looking to re-skill or change careers. The school also actively fights discrimination on a daily basis. Diversity is seen as a strength that allows 42 School to face ever-growing social and community challenges.

Open culture Different from traditional methods, students learn programming through a peer-to-peer learning method with no teachers or classes. Students learn programming from and with each other, relying on the community to learn and then share freely with others.

Tuition-free At 42 School, there are no fees before, during or at the end of the training course. Money is not a selection factor. This commitment allows the school to attract a diverse range of students, each with a different motivation to want to learn programming.

HM Revenue and Customs

Multiple cities, UK

Status: **Built**

Lead discipline: **Interiors**

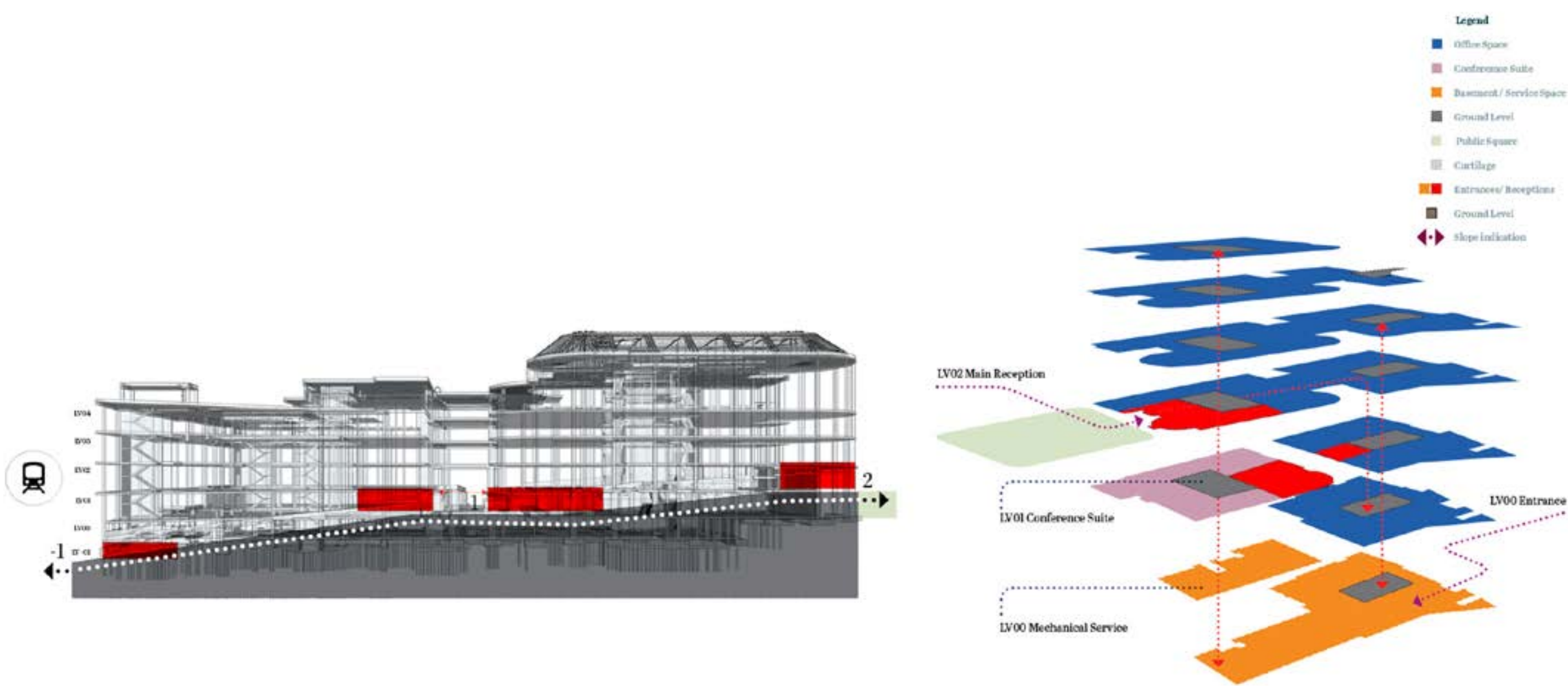


HM Revenue and Customs, Multiple cities, UK

The UK Government is creating a smarter working revolution, striving to transform how and where civil servants work. This is the driving force behind the shift from a large complex office estate to a shared model, which is efficient, sustainable, inclusive, supports localism and levelling-up, and delivers savings to taxpayers.

We've designed these 'places' responsibly to maximize long-term flexibility, efficiency and effectiveness, based on good practice and the British Council of Office (BCO) Specification Guides.

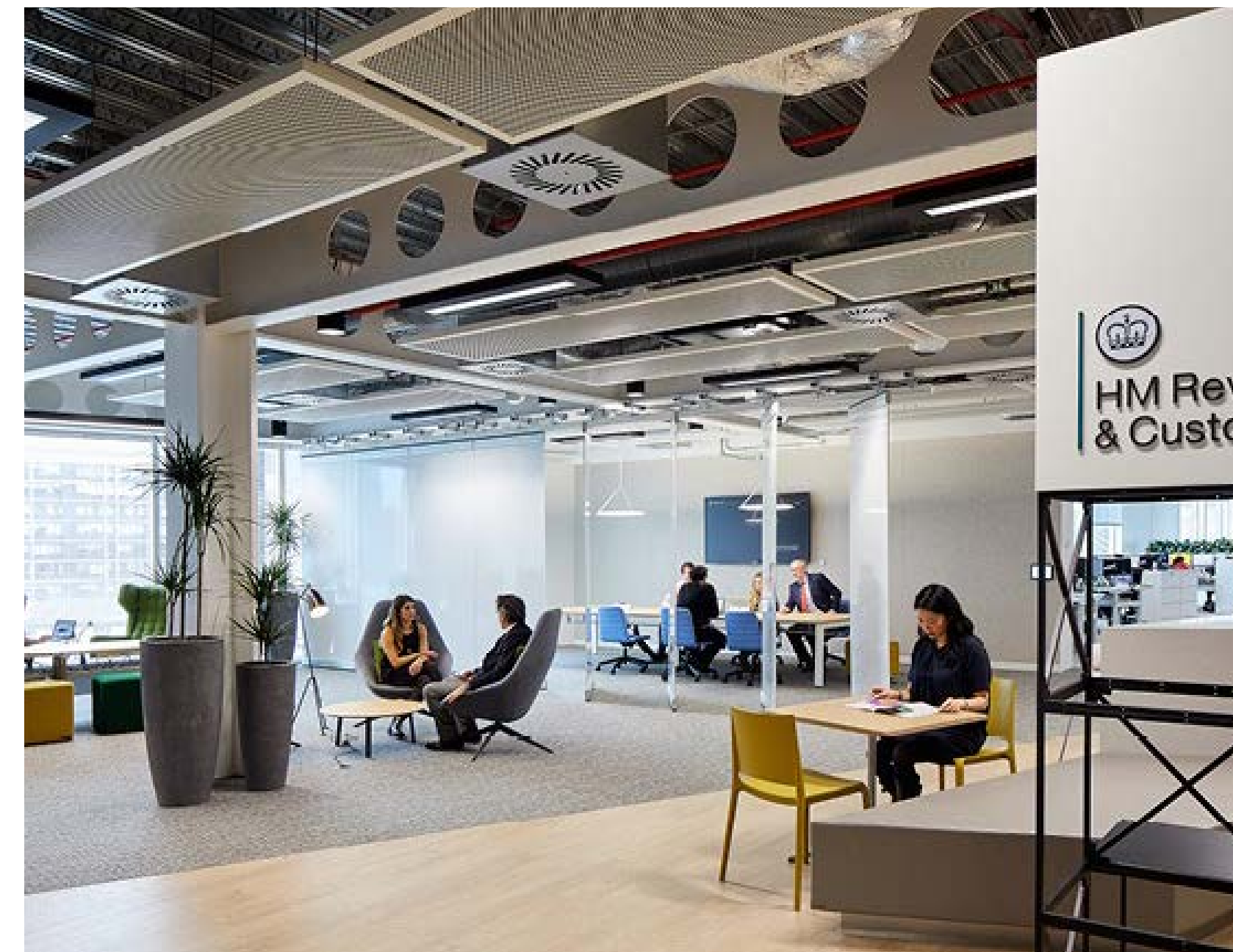
We also carried out multi-disciplinary design, engineering and technical appraisal on the base buildings and upgraded them particularly with regards to industry guidelines.



HM Revenue and Customs, Multiple cities, UK

Our big emotional idea was 'A National Conversation with Regional Accents' with a focus on people and places to link an 800 year old institution, which is firmly rooted in cities and communities throughout the UK, with interesting artefacts and curiosities.

In a Proustian way these places are remembered and celebrated with staff engagement. A selection of imagery came from a photography competition, and through recognizing and expressing local heroes and heroines such as Robbie Burns in Edinburgh and Amy Johnson in Croydon. This big idea is both national and local and is broad enough to allow creative freedom.



Scarborough Gateway

Scarborough, UK

Status: **Unbuilt**

Lead discipline: **Landscape architecture**



Tree Planting

Timber Loungers

Rain Garden

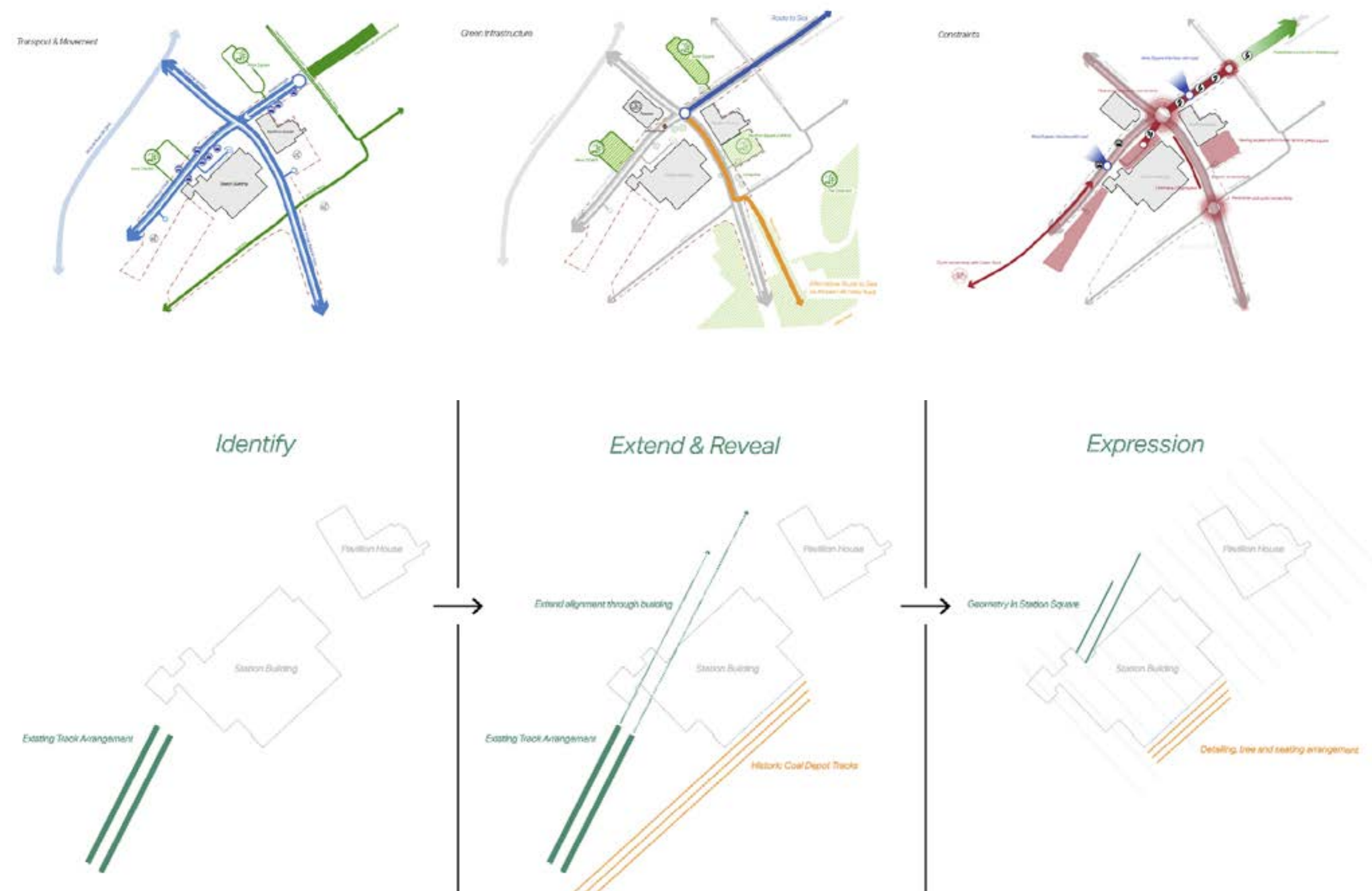
Linear Concrete Bench

Water Fountain

Scarborough Gateway, Scarborough, UK

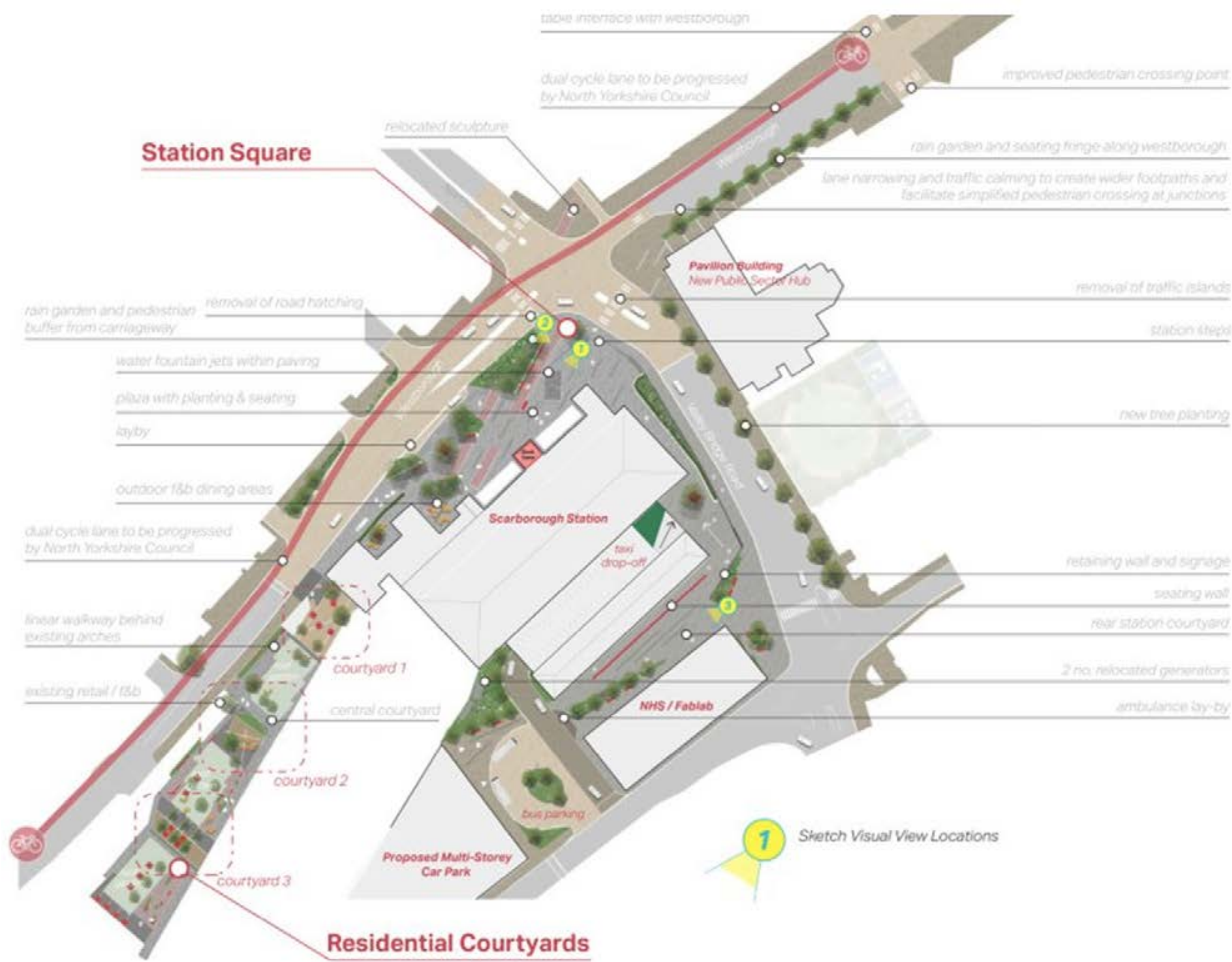
Our first impressions and the way we feel about a place inform the decisions we make, such as how long we will stay, whether we will come back and whether we will tell others about it.

For the new public realm in Scarborough, we wanted to create a welcoming arrival square and civic space, that sells Scarborough and presents a positive first impression for residents and visitors alike. Our vision was to create a space that would entice people to explore the town further on foot or bike and improve the overall experience and footfall of the town to boost the local economy.



Scarborough Gateway, Scarborough, UK

Our team set out to create a sustainable and resilient place, adapted to helping mitigate against climate change, support people to move freely and safely through the urban environment and make active travel choices to benefit public health and wellbeing. Our civic spaces and streets can be used to increase the proportion of green space, decreasing run off to drainage systems and rivers and reducing the urban heat island effect. The use of rain gardens and tree planting can increase flood protection, CO2 absorption and create localized improvements in air quality as well as making beautiful spaces that people want to frequent.



Greenland Mianyang

Mianyang, Mainland China

Status: **Unbuilt**

Lead discipline: **Architecture**

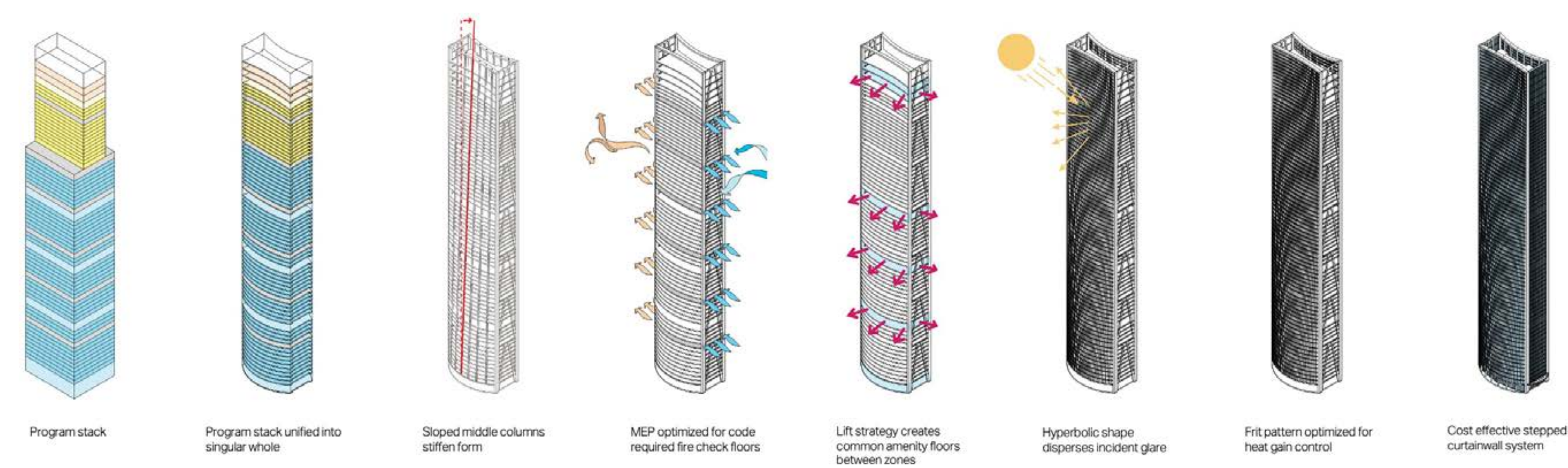


Greenland Mianyang, Mianyang, Mainland China

Our integrated design team of architects, vertical transportation, Mechanical, Electrical and Plumbing (MEP) and structural engineers collaborated to deliver a design direction that exceeded Greenland Group’s expectations.

The tower form is driven by its required seismic performance and the client’s desire to reduce steel costs. The final elegant form pays attention to both local history and the region’s high tech future ambitions. It is set up to be the iconic statement of a new Central Business District (CBD) west of Mianyang’s current downtown. It will serve a symbolic purpose in addition to its functional use.

This design approach speaks to both Mianyang’s deep literary traditions (the poetry of Li Bai) as well as its current ambitions as the home of Chinese aerospace research. By embracing both, it captures the richness and dynamism of the city in this moment of growth and opportunities.

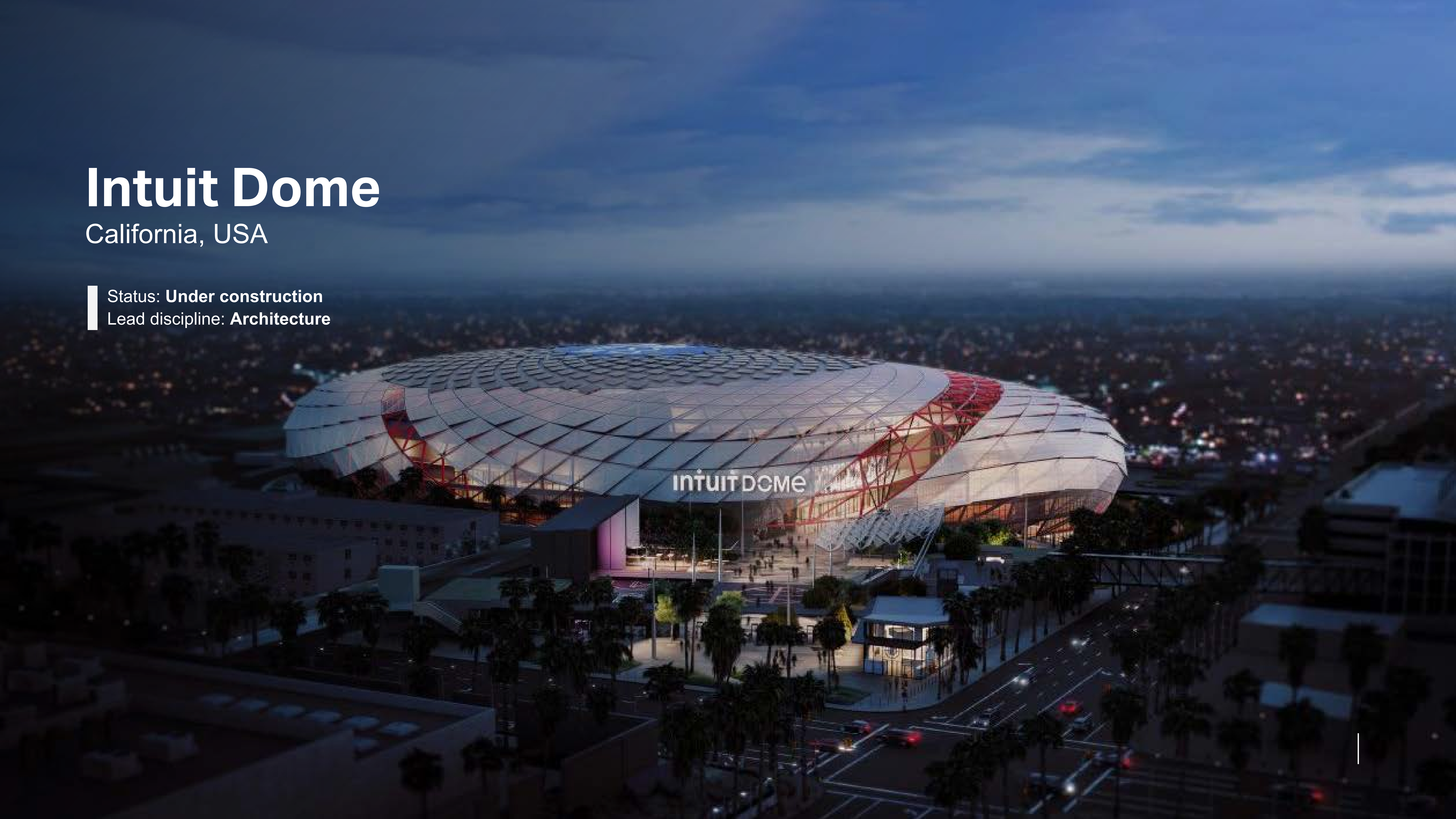


Intuit Dome

California, USA

Status: **Under construction**

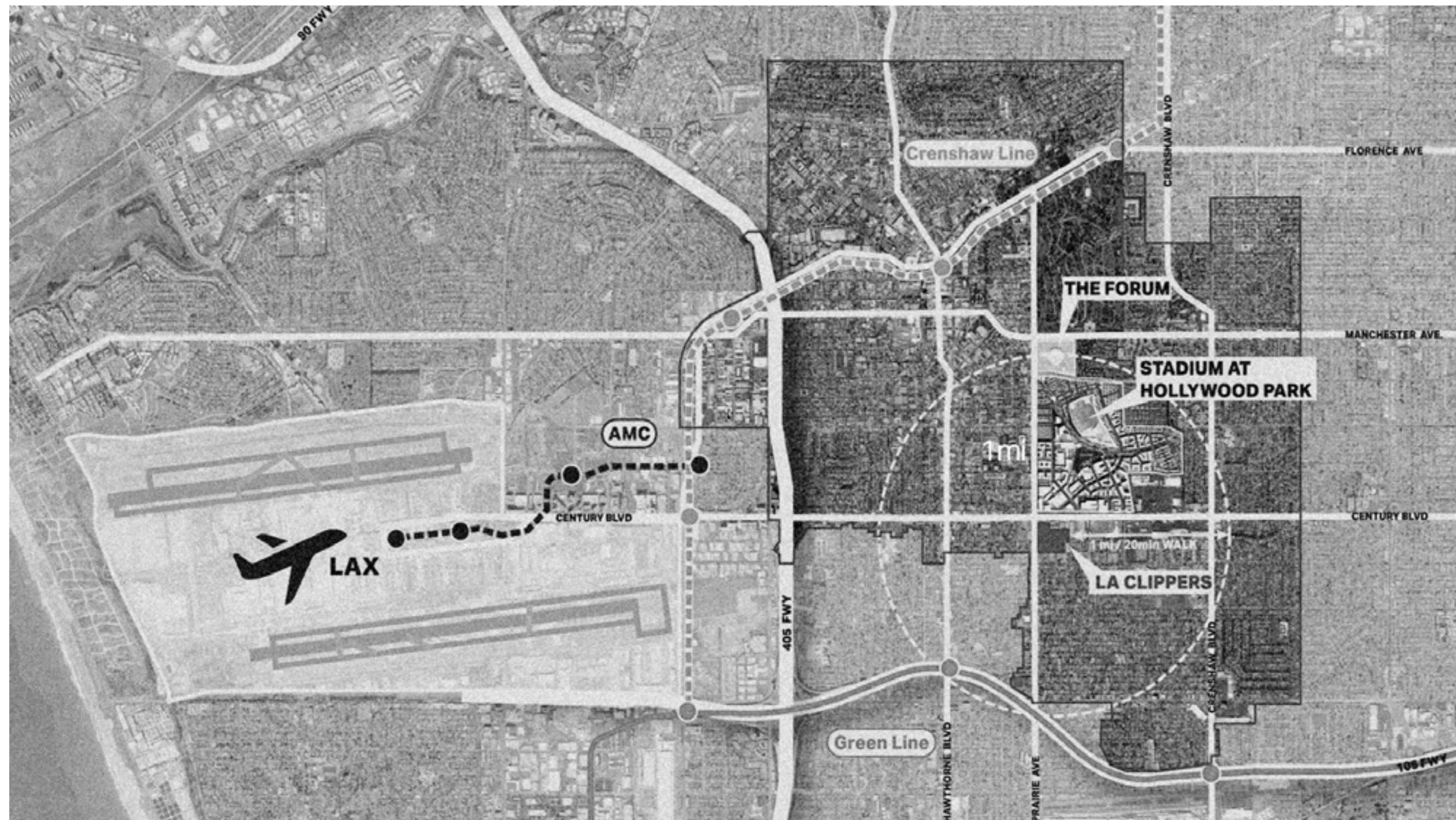
Lead discipline: **Architecture**



Intuit Dome, California, USA

The new home of the LA Clippers basketball team, the design of Intuit Dome supports the goals and ambitions of one of the most vocal, successful, and ambitious teams in the NBA.

Creating social value from day one, our design has been developed to advance the typology of the arena building. The unique characteristics of the site and program have allowed us to create a multidimensional experience that goes beyond the typical venue. There are three primary components to the design: the conditioned program, the external shell and the informal space created in between. The foremost includes all of the typical enclosed arena program to which we have added the Clippers practice facility and corporate offices. The program is enveloped by a structural gridshell which defines and encloses the entire facility but has a loose fit to the conditioned program so unique informal spaces result.



Intuit Dome, California, USA

The design of the steel gridshell structure has its geometric origins in the skeletons of radiolaria. These silica shells feature a spherical lattice structure that is noted for its efficiency. The Intuit dome shell is built of structural steel tubes and is seismically isolated from the arena structure. The gridshell carries a system of lightweight panels that modulate wind, sun and rain. Three panel types, clad in ETFE, PTFE and laminated PTFE provide protection from rain for the majority of the informal spaces while also allowing for fresh air flow and solar glare control. The orientation of the panels has been digitally optimized for their performance and the resulting dynamic pattern resembles growth forms found in nature.

Each of the primary levels of the interior program has access to the informal outdoor terraces and gardens that link the natural environment. These spaces help to enhance the fan experience by giving them an opportunity to take a break from the noise and excitement of the event. They provide a connection to the outdoors for the athletes and coaches on the team who spend long hours in the practice facility. These informal areas also provide a better work environment for the office staff who will be in the facility year-round. The spaces allow for work to be done in daylight and fresh air and their arrangement encourages chance meetings between different departments. The informal spaces are programmed with landscape and furniture that make them attractive for all users of the facility.



Intuit Dome, California, USA

The shell design also has been developed to improve the outward perception of the venue. Since the primary interior spaces are separately enclosed and acoustically insulated, the informal exterior spaces can be open so the life and activity taking place in the building is visible. In addition to views of activity, the open cladding materials catch illumination from color changing LED luminaires, so the building has a glowing presence when seen from afar.

Although an extraordinary level of innovation and attention to detail has informed the design of the internal aspects of the Intuit Dome program, we are equally excited by how that program connects to its surrounding neighborhood. The exciting informal spaces that provide this connection are made possible by the southern California climate which allows them to be active throughout the year.



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<div>Brett Shwery Project Principle</div> <div>Matt Rebbe Design Lead</div> <div>Jeremey Nye Project Architect and Technical Lead</div> <div>Julia Dunfield Furniture Lead</div> <div>Sergey Dunaev Interior Architect</div>		<div>Colin Franzen Lead Architect</div>	

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<p>Francis Cooke</p>		
<p>Jon Niemuth Director, Sports</p> <p>Hein le Roux Project Management</p> <p>Steve Duethman Project Management</p> <p>Frank Anderson Project Management</p> <p>Scott Sayers Project Architect</p> <p>Greg Brown Architect</p>		



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