

THE

NOW NOW

ARCHITECTURE COMPETITION



Green Point Pavillion Entry by Christine Botha, Chris Bakker and Reghardt Bekker.

This dossier contains all of the participant's submissions for the annual Now Architecture competition, which focused on designing a pavilion for the Formula E event in Cape Town. The dossier includes the three prize winners, along with other honourable mentions.



The Circuit entry by Ian Cox and Falder Munn.

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See You Next Time!

Why Now!

Design competitions should allow bold and exciting problems to stretch young designers beyond their school or profession of practice. Imaginative thinking, creative problem-solving and integrating knowledge should empower and inspire a new generation of thinkers and designers.

What is the Now Now?

The NowNow Architecture competition hosts international design competitions focusing on briefs from and about Africa, and its future. The aim is to establish a culture of curiosity and critical thinking, while building strong relationships through strategic partnerships and collaboration. NowNow is looking to attract a global community of professionals, academics and students— providing them with an opportunity to proudly showcase their talent.

What do we believe in?

NowNow believes in an innovative design approach that progresses agenda's that explore new possibilities for an optimistic future. We strive to challenge conventional thinking and embrace new technologies and ideas to create unique and memorable spaces. Through our work, we hope to inspire a new generation of architects and designers to be bold, imaginative, and forward-thinking with their designs. We urge all to bring their own unique perspectives and ideas to the table, as we strive to create an environment that values and respects everyone's contribution and collaboration.



Competition Abstract

The Circuit: A Future pavilion for Formula-E challenges designers to create a pavilion for the annual Cape Town Formula E race, which is returning to the city. The pavilion should not only enhance the race experience but also consider the socio-political and socio-historic benefits of such an event. Entrants are expected to critically examine their design process and respond to questions of accessibility, inclusivity, gender, nationality, race, and more to offer a unique architectural and urban perspective on the racing experience in a city. This pavilion aims to create a platform for insightful discourse, serving diverse communities and adding value to the City of Cape Town.

Green Point Pavillion *Winner*

Team members:

Christine Botha [Johannesburg]

Chris Bakker [Cape Town]

Reghardt Bekker [Johannesburg]

Located on the eastern edge of Green Point urban park, the site intersects key pedestrian routes; the Green Point common, Vlei Road, and Helen Suzman Boulevard. This connectivity seamlessly ties it to the Stadium precinct. From a Formula E standpoint, the location offers optimal grandstand views of the start/finish line and the crucial Turn 1, which channels cars onto the Helen Suzman Boulevard straight, heading towards the V&A. The strategic positioning outside the racetrack ensures uninterrupted access during events. Additionally, the site orientation factors in sun position and mountain views.

The pavilion is envisioned as a permanent structure, addressing Formula E requirements while also serving other events like the Cape Town Cycle Tour and the Monster Jam. The design proposal splits into two primary elements: a landscaped berm and an interactive roof space. The berm is constructed from compacted soil and used tyres from the Formula E race. The landscape covers the berm and celebrates indigenous fauna and flora, while the roof offers seating (the grandstand) and encompasses a multifunctional gallery space below. This adaptable gallery will house restrooms, eliminating the need for portable toilets during events.

It anchors the structure to the urban park and common, linking into the design language of the precinct. Besides serving as a seating area, the berm guides visitors onto the roof space which features permanent, tiered seating.

The eastern berm accentuates an urban public area that remains valuable year-round, beyond just events. The building's side facing the Green Point common is characterized by a glazed gallery overlooking berms leading to the golf course, and a tree-lined pedestrian pathway to the park. This enclosed area is perfect for hosting markets, with the structure shielding from summer easterly winds, further leveraging the amenities in the gallery beneath the vibrant roof.



The Nexus

Team members:

Imaad Kamaldien [Cape Town]
Tylo Barends [Cape Town]

My experience at the last Formula E event in Cape Town, though filled with activities and events, left me with a sense of incompleteness. The event space was divided into multiple zones along the racetrack, but felt somewhat disconnected, making it hard for visitors to enjoy the full experience. Fences and security gates around VIP areas complicated navigation and obstructed views. This led to frustrated Fans resorting to standing on tables, chairs, or even each other's shoulders in their desperation to see the race. Nexus envisions the creation of multiple pavilions positioned along the racetrack, interconnected by a continuous elevated walkway providing panoramic views of the racetrack and the creation of moments of pause. These pavilions will offer a blend of open and shaded seating areas, providing multiple vantage points for viewing the racetrack, along with hosting various events and Formula E showcases.

This dynamic loop ensures that everyone feels connected and receives an equal and inclusive experience, as opposed to isolated experiences hindered by challenging routes and inaccessible VIP zones.

The pavilion extends beyond providing seating solely on race days. Thanks to its modular design, the pavilion can be repurposed in various communities, transforming into vertical gardens. These vertical gardens, beyond their initial use, can create job opportunities, address issues of food scarcity, and foster a sense of community. The sustainable design, which utilizes pallets and steel framing, not only minimizes environmental impact but also pays homage to Cape Town's historical significance as a major port city for many decades.

The Formula E event highlighted the need for a more inclusive experience, which Nexus seeks to provide. With the aim of bridging the gap between disconnected spaces and repurposing itself as vertical gardens in various communities, this approach not only addresses the challenges of the event but also paves the way for a more sustainable and connected future.



The Jewel of Granger Bay

Team members:
Annique Haese [Pretoria]

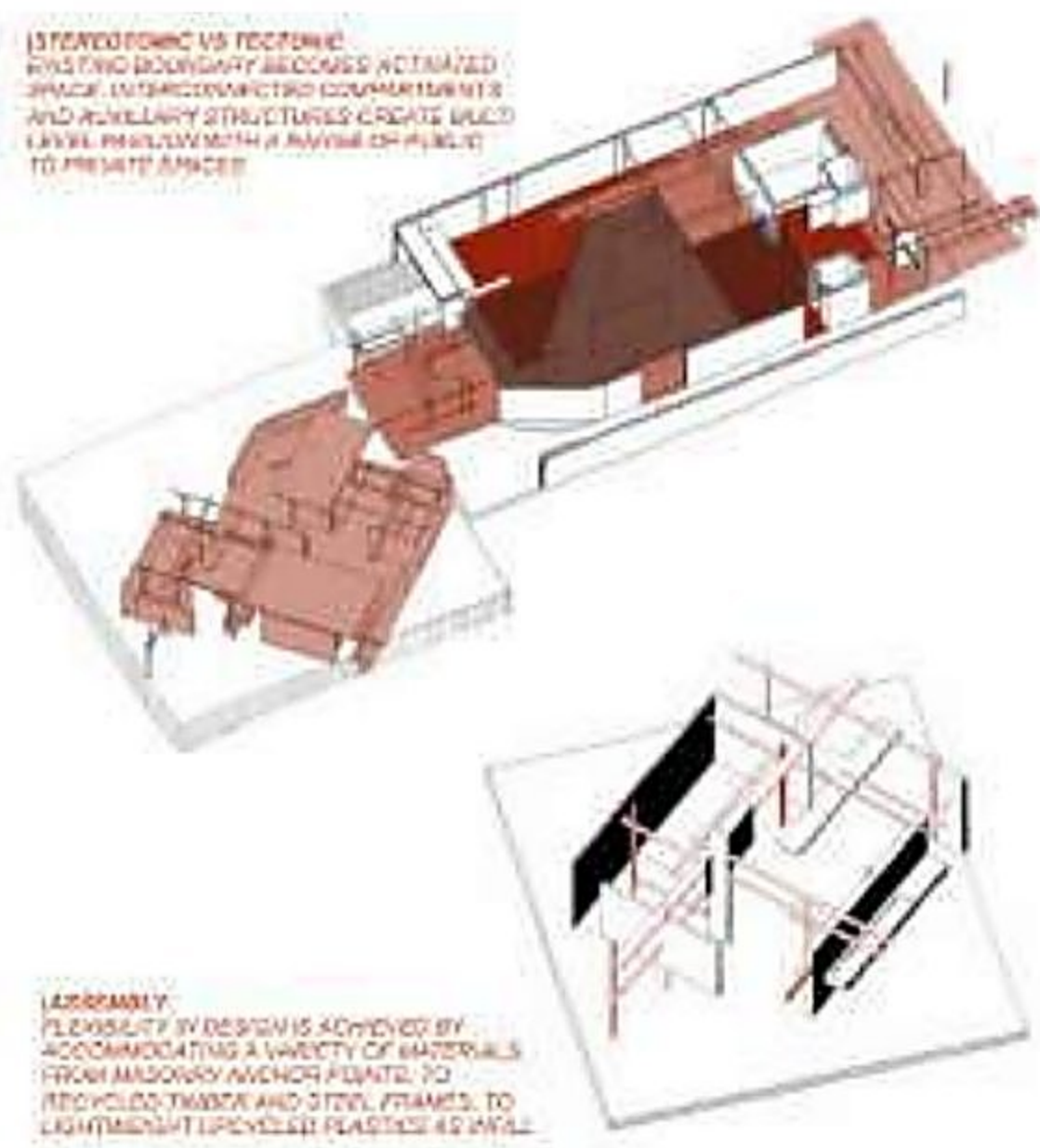
The Helen Bowden Nurses Home [HBNH], also known as the “Jewel of Granger Bay”, lends itself to a type of urban rejuvenation. Currently informally occupied by spatial justice advocates, the City of Cape Town is trying to solve the tense situation with a new zoning scheme, ear-marking the area for social housing and open public space. In alignment with Formula-E’s mission statement of sustainability, adaptive reuse is used as an architectural tool for sustainable development. This way the “Jewel of Granger Bay” once again becomes a feature of the Greenpoint area, sparkling with its vibrant mixed-use typology.

Formula-E is a western idea, and trying to palimpsest this idea with the modern African City, which is still developing with pace, becomes an exciting challenge. Could this pavilion become a platform for engagement, or even a platform for showcasing new ideas of spatial expression and art? A nod to the Serpentine Pavilion but with a fresh influence of African tenacity? Potentially bringing a new perspective to the sport & breaking barriers of exclusion and preconceived ideas about our nation.

Understanding the socio-political challenges present in the surrounding area & the South African architectural discourse allows the designer to introduce a new typology into the area, providing a neutral, substantial anchor, which stands for integration, celebration of the South African experience and beacon for hope and future development.

Is it possible for this pilot project to become a legacy project, that not only has an immediate effect on the surrounding urban landscape and the inhabitants thereof, but also becomes a prototype for further transformation in the city, and even as an informant to urban transformation projects all over the world, building on the theoretical framework experimented with in this project?

The physical manifestation of such a pilot project explores the ideas of temporality, identity & placemaking, as well as honouring the local community by allowing users to appropriate spaces according to their needs over time. Flexibility in design allows for experimental development on the anchoring structure & accommodates a variety of temporary spaces and user groups. Through generosity of public space, new and exciting avenues for exploration are forged in both the spatial & socio-political realms.



THE CIRCUIT

Team members:

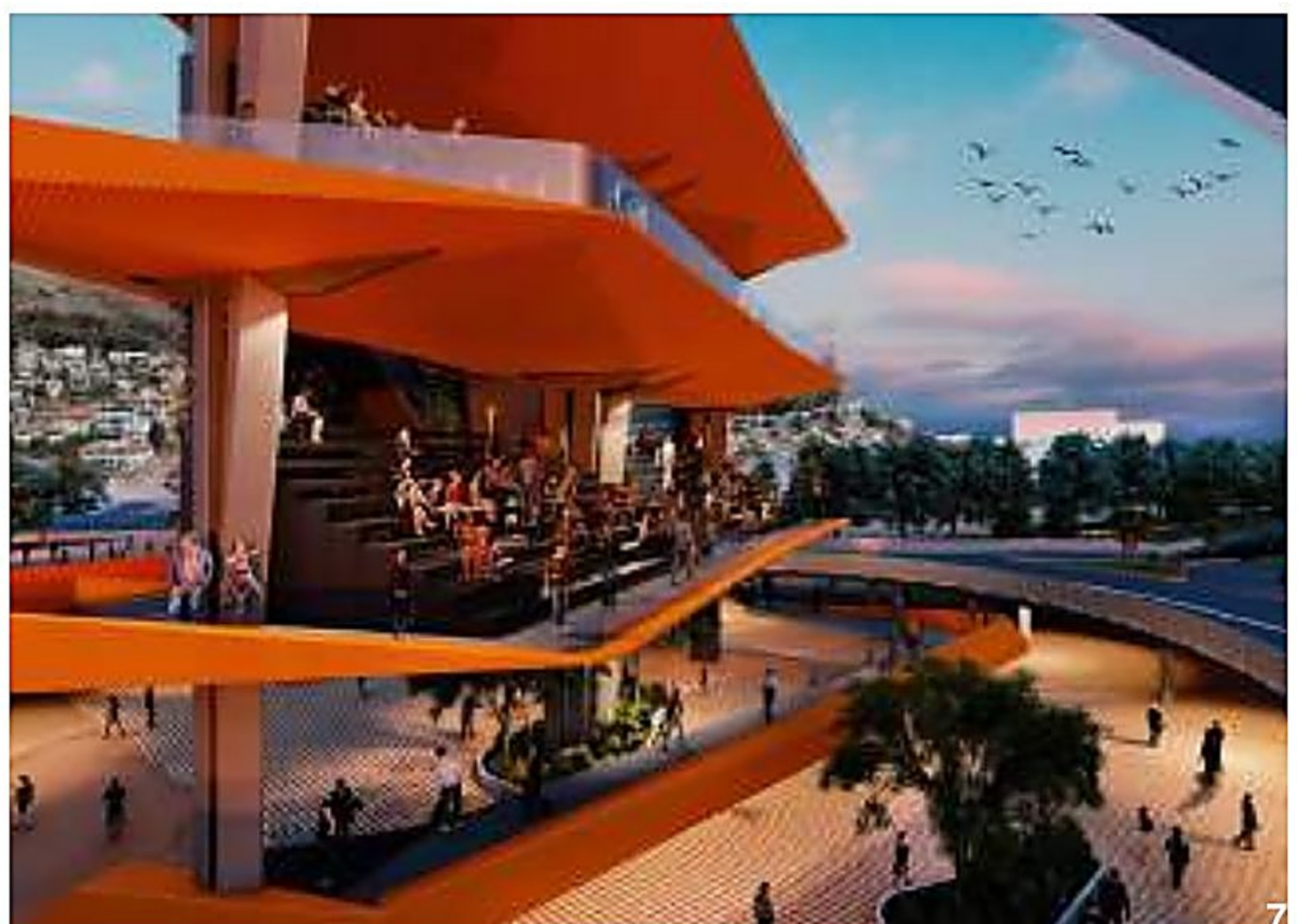
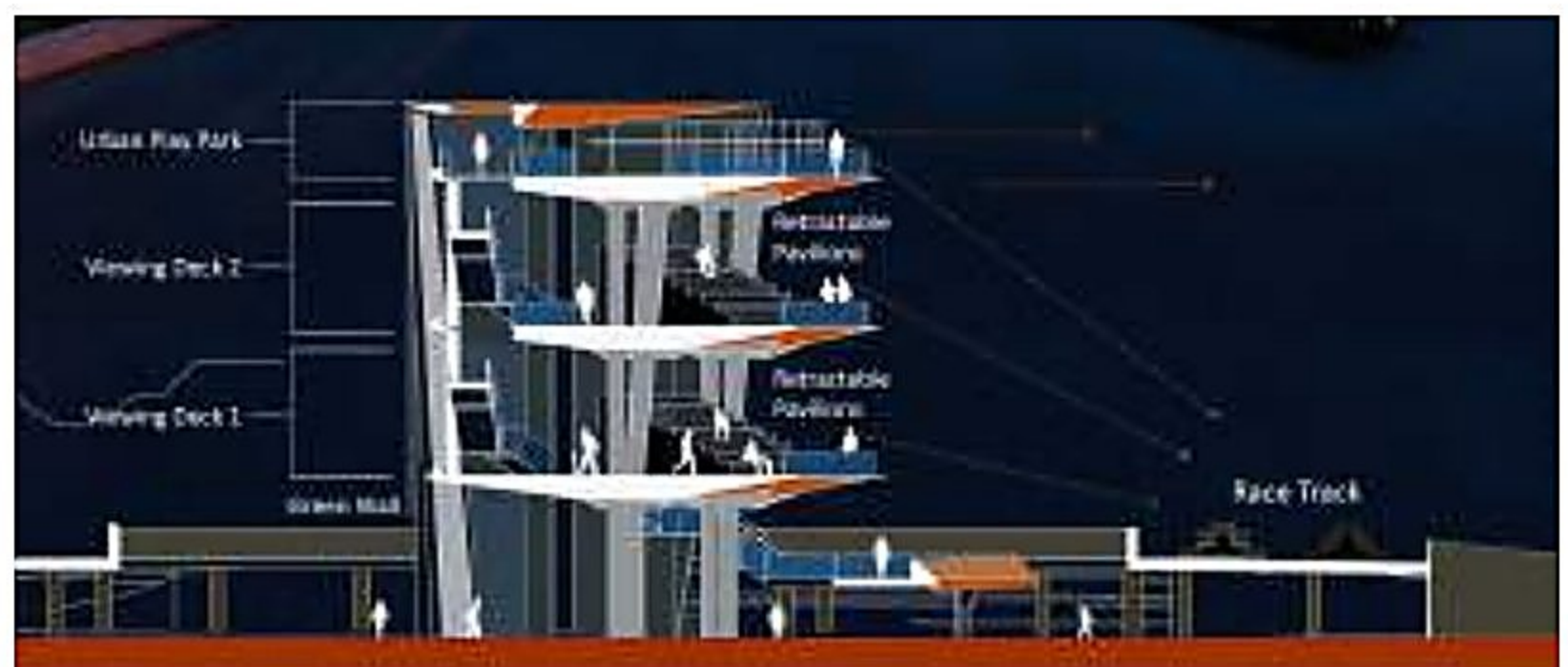
Ian Cox [Cape Town]
Falder Munn [Cape Town]

In the heart of Cape Town, a groundbreaking e-Prix inspired pavilion emerges as a testament to innovation and sustainable design. This futuristic structure seamlessly marries the sleek, dynamic lines of the electric racecars with the elegant shape of the coveted e-Prix trophy. Designed as a symbol of a more electrified future, the pavilion captures the essence of the e-Prix and transforms it into a versatile, multifunctional space that promises to become a hub of entertainment, education, exercise and innovation.

The architecture of the pavilion mirrors the streamlined contours of the e-Prix racecars, with its sweeping curves and aerodynamic aesthetic. A shimmering canopy, reminiscent of the car's polished surfaces, extends gracefully over the pavilion, providing shade and shelter while glistening in the South African sun. The structure's exterior is adorned with the emblematic blue and orange hues of the e-Prix, symbolizing sustainability and environmental consciousness.

As visitors enter the pavilion, they are greeted with an immersive experience that celebrates the spirit of the e-Prix. The interior space offers an interactive journey, showcasing the evolution of electric racing and its role in shaping a cleaner, more sustainable future. Exhibits, multimedia installations, and cutting-edge technology provide insights into the technology behind e-Prix vehicles and their contribution to the reduction of carbon emissions.

But this pavilion is not just about the past and present; it's a vision for a dynamic future. Its adaptable design allows for a range of multifunctional uses, from hosting electric vehicle expos and sustainable tech conferences to cultural events and art exhibitions through collapsible pavilions. The rooftop, with its panoramic views of Cape Town, can serve as a unique event space for everything from e-Prix celebrations to concerts and outdoor cinema nights. In the heart of Cape Town, the e-Prix inspired pavilion is more than just a structure; it's a symbol of progress, an ode to innovation.



The Bridge

Team members:

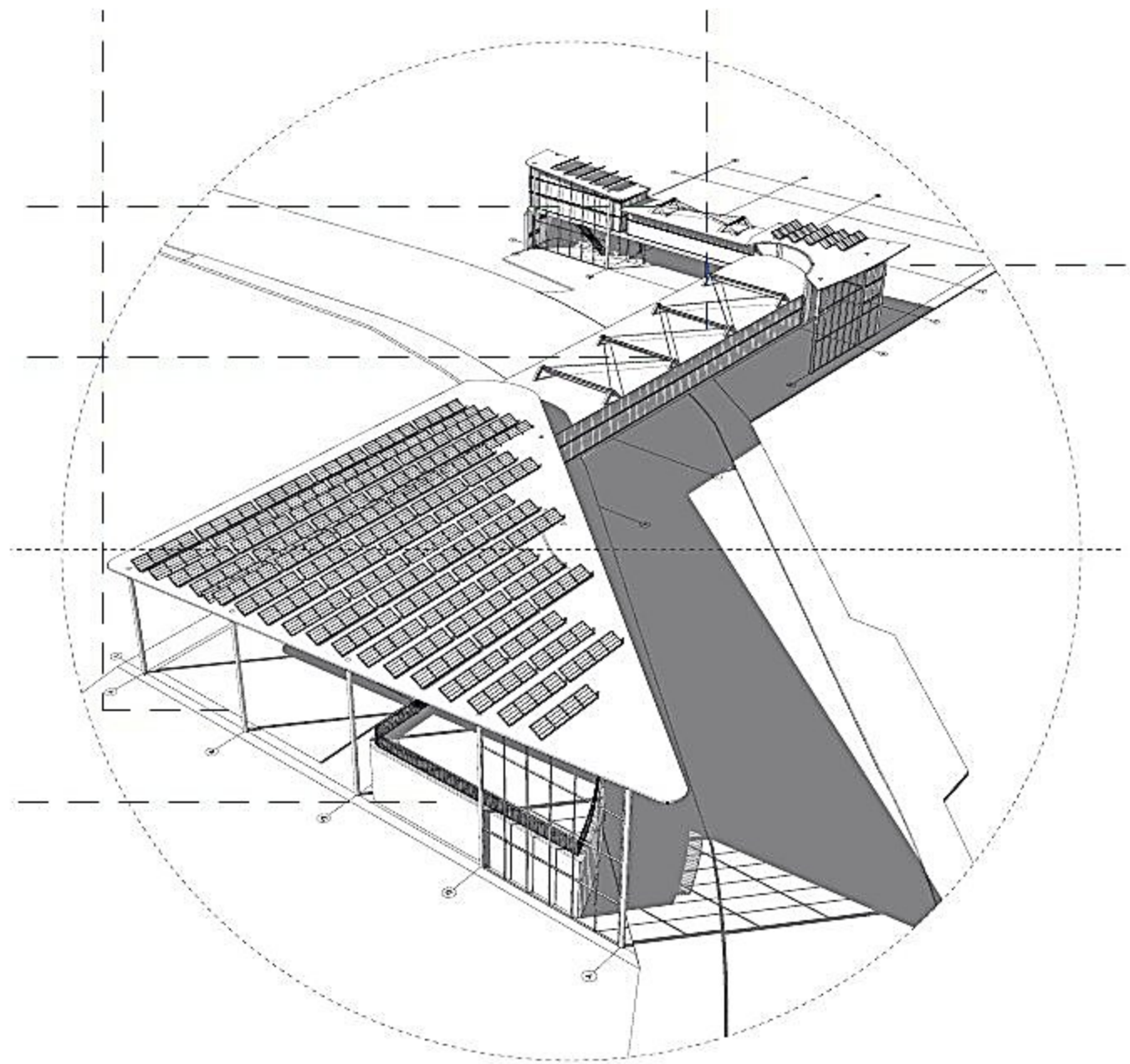
Akuzike Kawerama [Lilongwe]

What a fun project this was. The design for this pavilion was conceived while I was on a holiday trip to South Korea. While in Seoul, I visited a plaza designed by Zaha Hadid which had curved sweeps and levels. This informed the genesis of the form this pavilion, the Bridge.

Concept: The concept for The Bridge Pavilion is "Past, Present, Future". The pavilion is designed with 3 parts, the museum which speaks to the past of South African motorsport, the Bridge which displays the present (current technical advancements) that motoring has to offer, and the innovation hub which gives a glimpse of the future of electric motoring and motorsport.

The multifunctional nature of the spaces ensures that the pavilion can be used by other parties for office space, conferences and special events. From the entrance garden to the upper level semi-enclosed space, to the bridge view and the charging spots at the parking area, the multifunctionality makes the building a viable permanent structure, helping to justify the costs.

Most importantly the pavilion is designed to offer spectacular views of the Formula E event and a sense of grandiosity for the event in general.



Zigzag Pavillion

Second

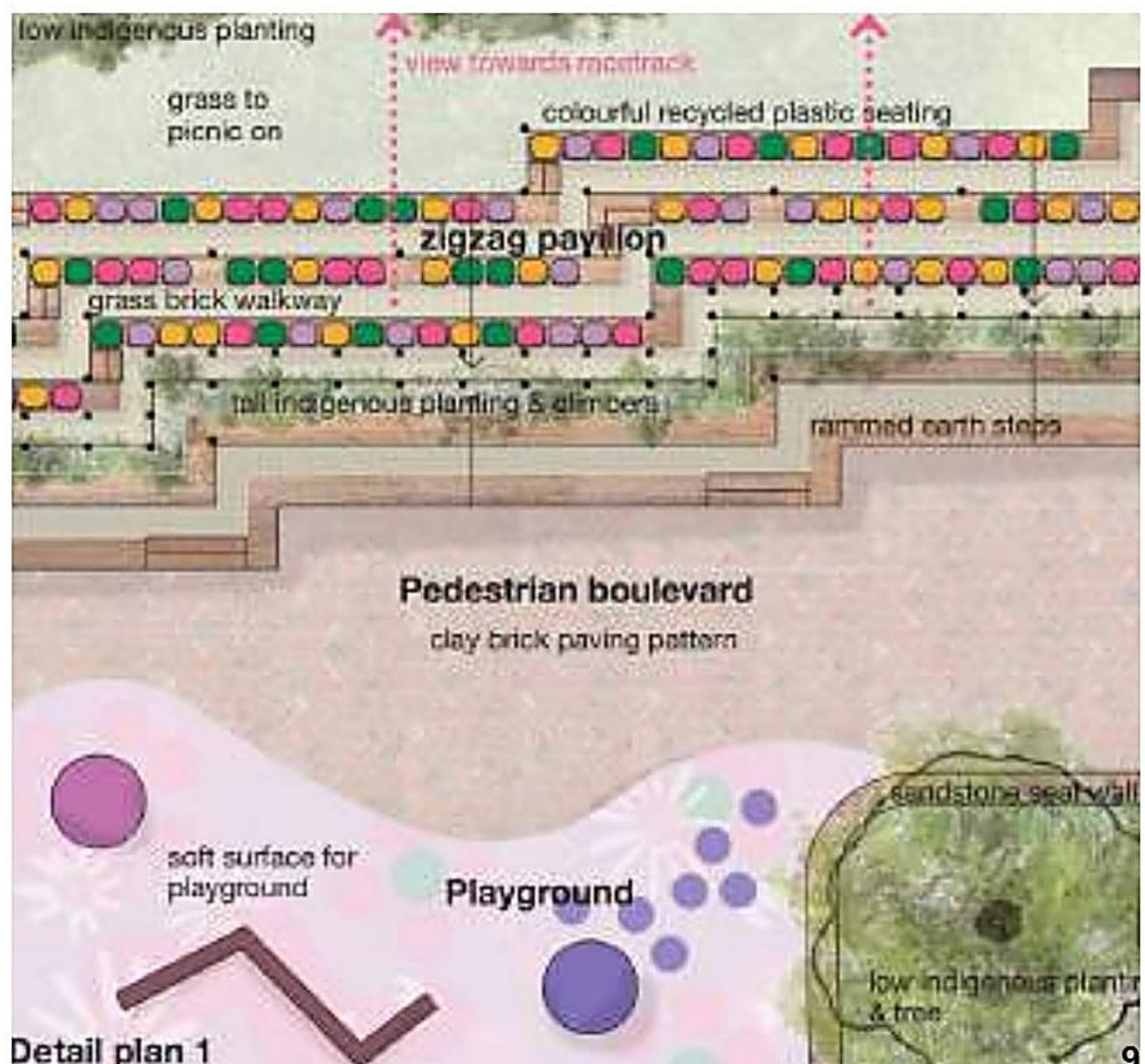
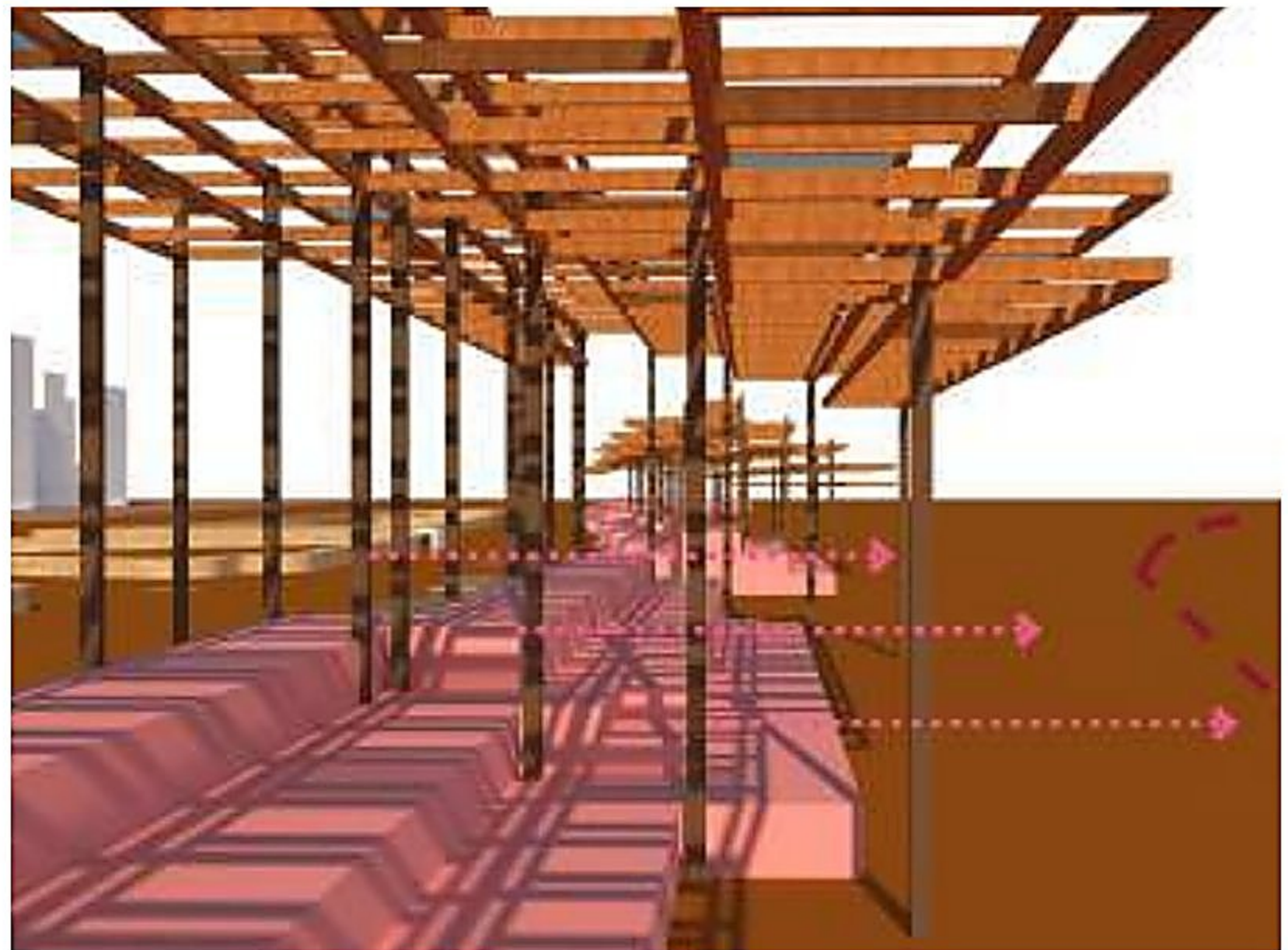
Team members:
Alma Holm [George]

The traffic island located between Helen Suzman Boulevard and Main Road in Greenpoint serves as an ideal connection point, connecting pedestrian activity in Greenpoint to Greenpoint Park and the adjacent promenade. Unfortunately, the current flow is disrupted by fast-moving vehicle lanes that create a barrier for pedestrians. This project, an entry for THE CIRCUIT: a future pavilion for Formula E in Cape Town, is designed to enhance this pedestrian connection by transforming the island into a pedestrian boulevard. This boulevard features a zigzagged seating pavilion, linking Main Road and the MyCiti bus stop to Greenpoint Park and the promenade. The design is centered around establishing a slow car zone in Main Road, while still accommodating fast-moving vehicles and racers along Helen Suzman Boulevard.

The main feature of the pedestrian boulevard is the interactive zigzagged pavilion. Facing the racetrack with seating to the north, and offers seating, vendor stalls, lockers, and planter boxes to the south, opening up toward the pedestrian boulevard.

Constructed with sustainability in mind, the zigzag pavilion is composed of a series of rammed earth steps, each at a height of 400mm, with affixed colourful recycled plastic seats. Spacious walkways are created between the steps using grass brick blocks, each 500mm wide. A matching zigzagging pergola covers these seating steps, constructed with laminated bamboo columns and beams in a 3m by 3m support grid. The pergola's roof is divided into 1m by 1m grid panels, filled randomly with green, yellow, and brown recycled glass panels, solar panels, and roof planting.

The pavilion's primary aim is to provide a comfortable and aesthetically pleasing environment for Formula E supporters to cheer on their racers, but it is also designed to be enjoyed on a day-to-day basis, connecting Greenpoint to its park for pedestrians.



The Embankment

Team members:

Nicholas Basson [Cape Town]

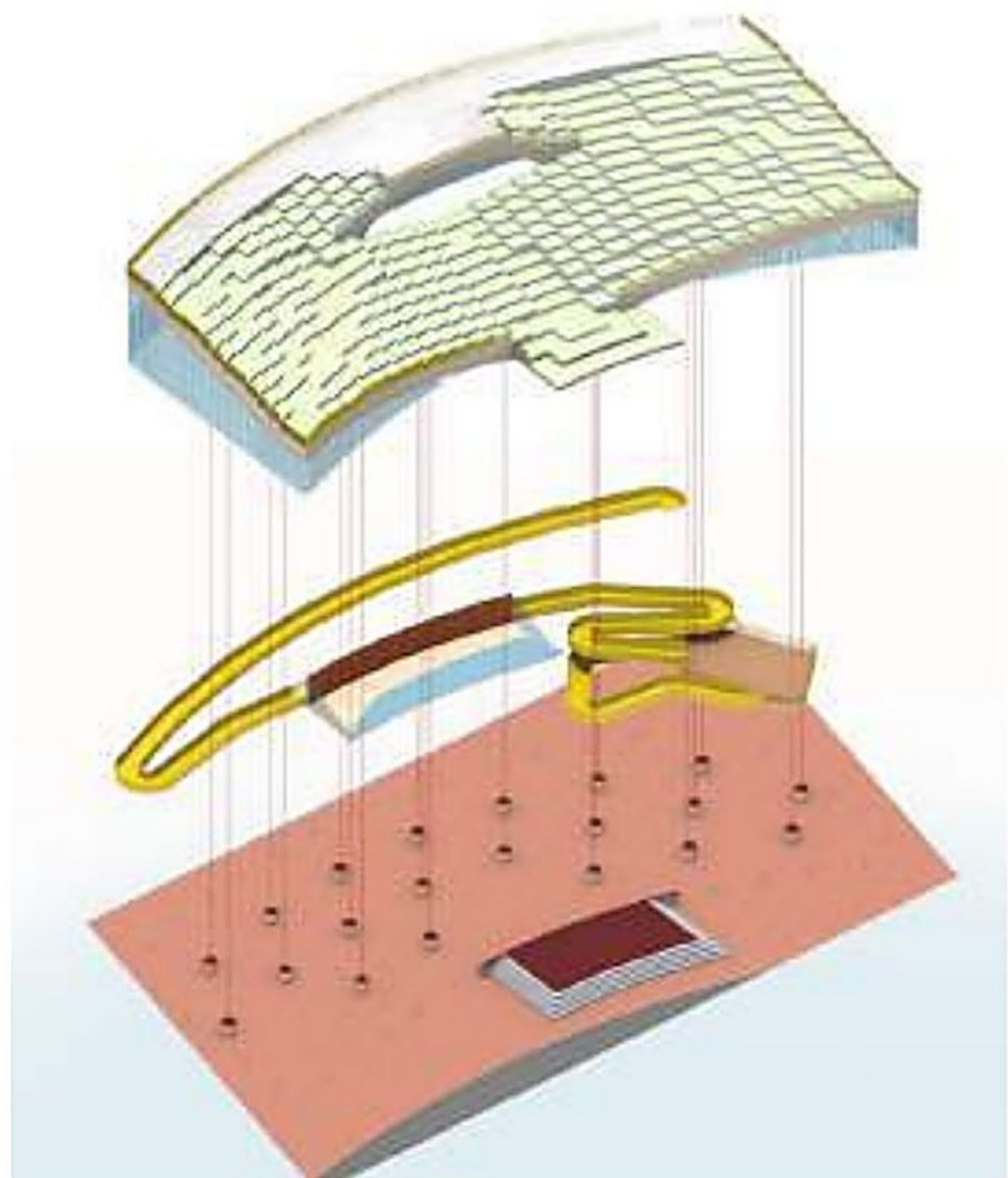
As one approaches the Embankment thousands of brightly coloured, wind agitated panels cause the building to ripple in the wind as the air flows through and around the building.

Passing through the threshold of the building you enter a large warm and welcoming open space, with the timber structure reaching upwards enveloping you like the shady branches of a tree. To one end a golden ribbon begins to rise and wind its way through the space, wrapping around columns and seeming to float through the space. This wheelchair accessible ramp is the vertical circulation, inviting all to experience the space from different vantage points as they roam up this track. Arriving on the mezzanine level, an intimate, flexible, and open space is discovered, perfect for a retail zone.

Continuing higher on the ramp, the only enclosed space of the structure appears. A room that can be opened and closed according to the needs of the event through eight large pivot doors. A space designed for intimate functions, but equally comfortable serving a variety of events. At the opposite end of this level, the golden path continues upwards.

Emerging from the dappled light infused space, one finds themselves forming part of the dynamic facade. To one side the dancing panels and to the other the green vista of the Green Point Park, and sports fields develops.

The summit of this golden avenue is the top tier of the pavilion with a clear view of Vlei Road, from the high-speed corner that signals the start of the main straight, at DHL Stadium, to the sharp left-hand corner at its end. The terraced seating steps down before you to create an undulating landscape, inspired by cricket embankments, encouraging individuals to play as they decide how to inhabit these sociable grass blocks.



The Coil

Team members:

Amy-Leigh Goldman [Cape Town]
Tauhir Rakiep[Cape Town]

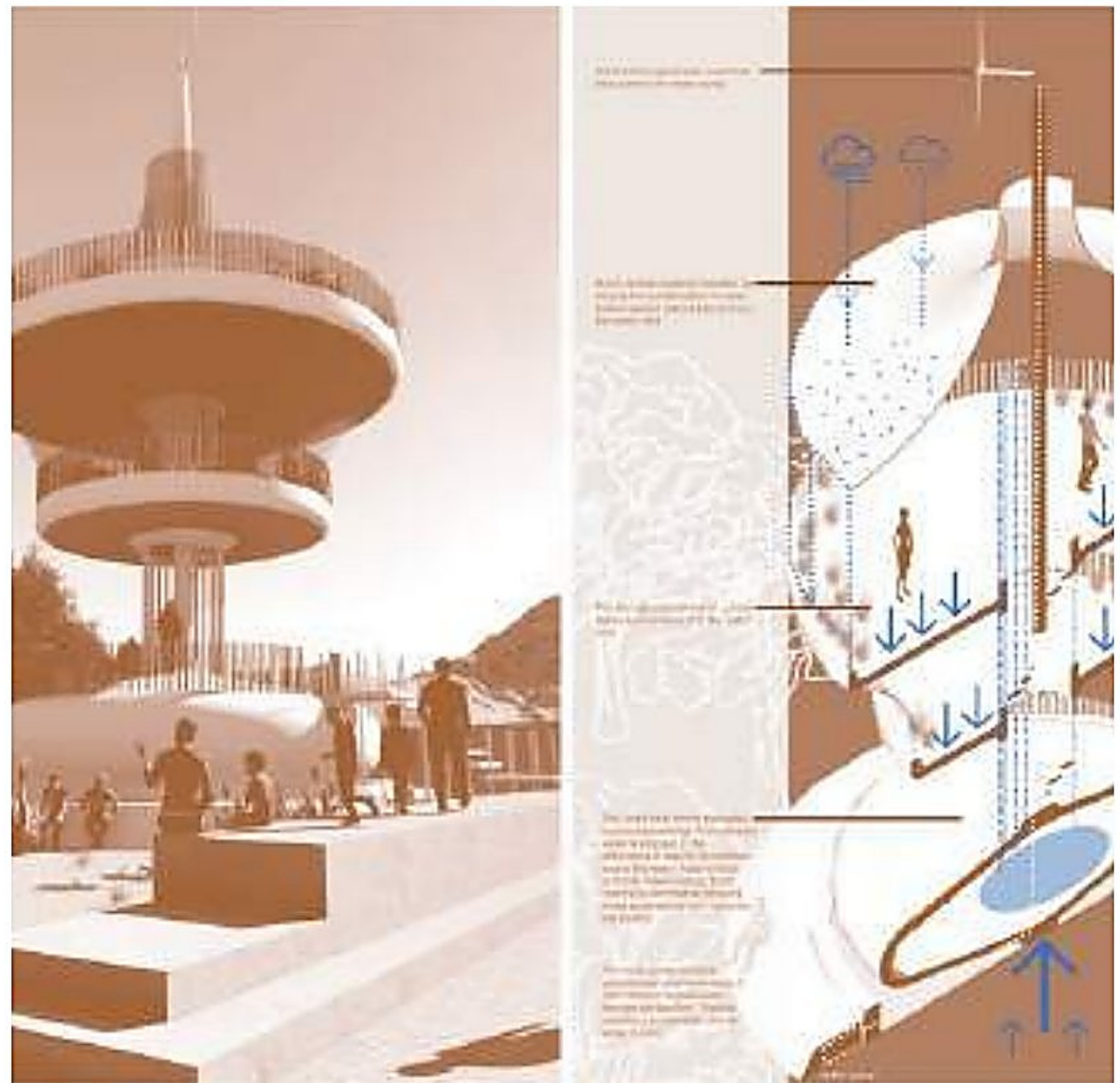
The Formula E that took place in Cape Town, South Africa presented itself as a public event that would benefit the city by bringing in tourism, economic opportunities and innovation in sustainability. However, due to the novelty of Formula E, its location in central Cape Town, and cost of tickets, the perception is that it is exclusive and inaccessible. What we aim to achieve through our pavilion is to bridge the perception by creating public space for passive knowledge transfer of racing and sustainable practices.

We sited our pavilion at the main forecourt of the Cape Town stadium. The site encompasses a pedestrian entry, the Helen Suzman Boulevard racetrack, and the pit lane garages of the Formula E event. These informants inspired our design to be event specific yet flexible enough to activate the site outside of these events.

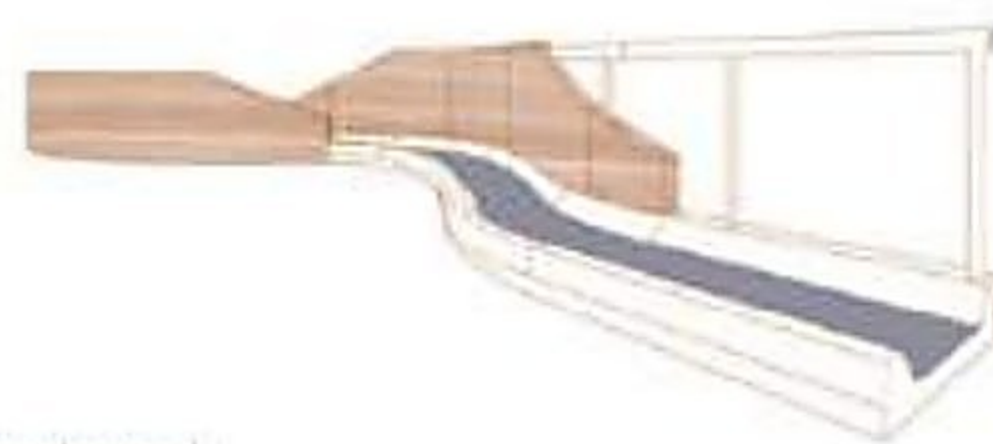
We created the pavilion to foster knowledge exchange embedded in the culture of Formula E racing and local street racing. We determined that each subculture provides opportunities to share innovation and technology that we believe will empower not only interested parties but also the general public. The imagined amphitheatre along with the pit lane garages, are spaces that encourage dialogue and passive knowledge transfer between the racers and public.

Conceptually, the pavilion draws inspiration from the anatomy of the race cars in the way that it is moulded to thrive in its environment and its inability to give back the energy it uses. The pavilion focuses on the sustainable practice of creating a transparent circular system to be engaged with by the public. It forms a closed system where the harvest tower generates electricity to pump groundwater to the surface. It harvests and collects rainwater and fog, treats the water via a natural filtration system and replenishes the groundwater. The upper level planters double as viewing platforms to view the racers as they pass Helen Suzman Boulevard and create direct engagement with the harvesting system.

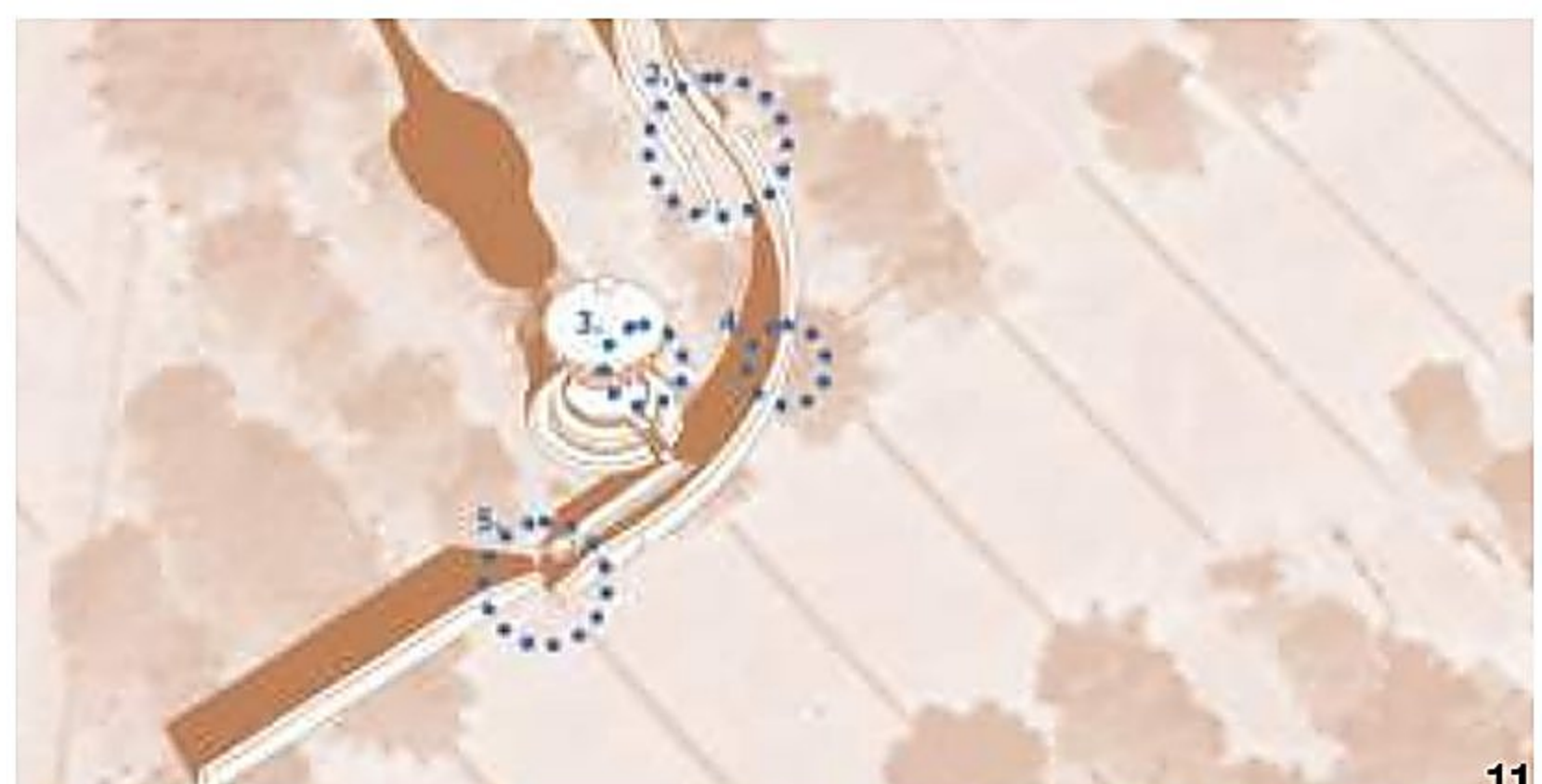
To conclude, the pavilion is an example of innovative sustainable public infrastructure that promotes social activities occurring during city events, the knowledge of social practices embedded in racing, enhances public accessibility, and celebrates the potential of natural resources.



1. Amphitheatre



2. Water channel



The Urban Armature

Team members:

Aadam Van Der Schyff [Cape Town]

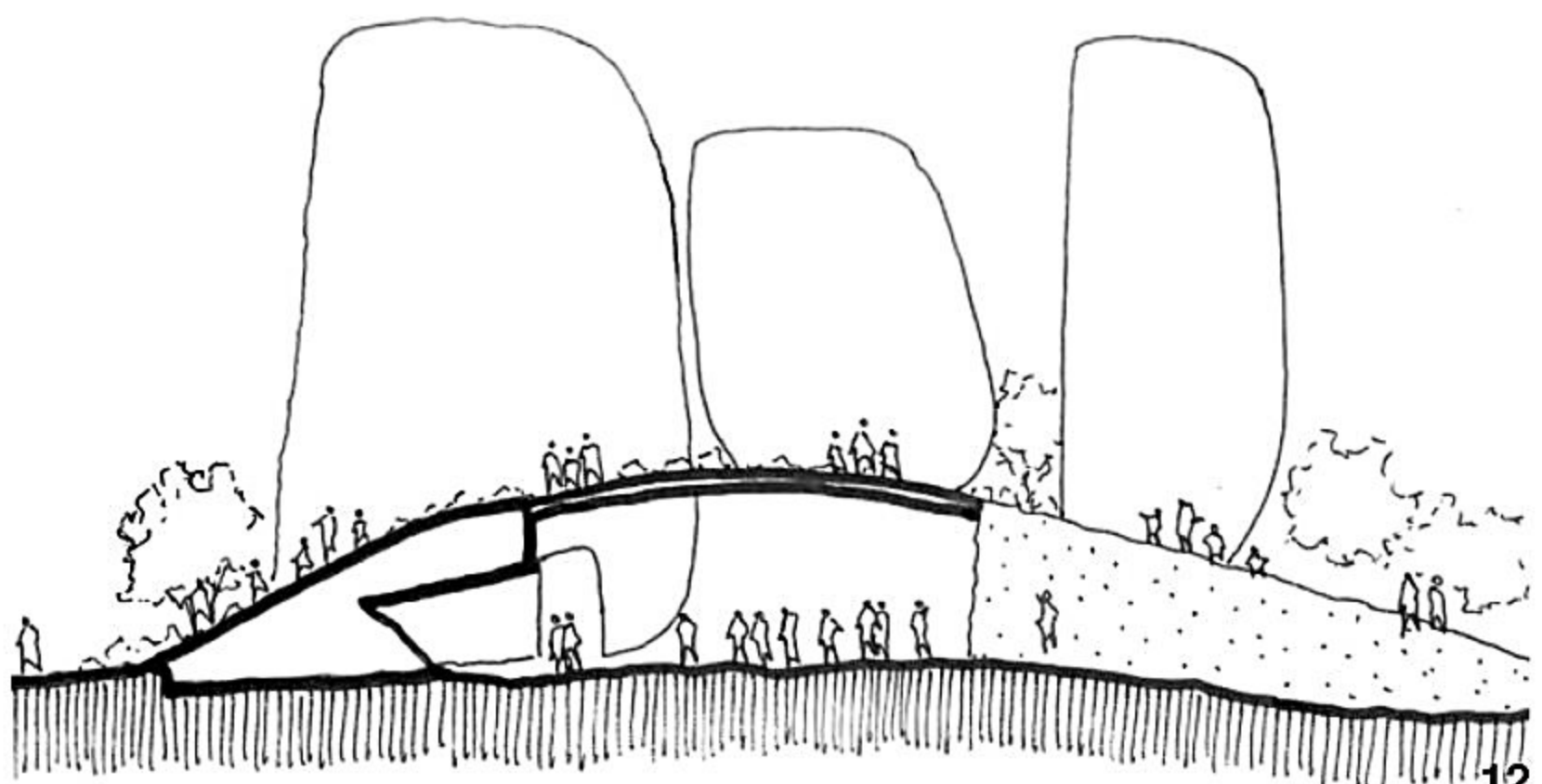
Ziyaad Manie [Cape Town]

Warren Van Niekerk [Cape Town]

In the dynamic urban landscape of Cape Town, the challenges faced by marginalized communities demand innovative solutions rooted in social justice, equity, and sustainability. This paper explores a transformative urban intervention: the creation of an inclusive pavilion for Formula E events and enhanced pedestrian accessibility during non-event periods. Moving beyond conventional design paradigms, our approach integrates socio-political considerations into urban planning. By meticulously mapping inaccessible areas surrounding Cape Town's Central Business District, our project reframes the city's narrative, advocating for 'the right to the city'—where every individual has equal access to urban opportunities.

Drawing inspiration from the accessible Green Point Park, our design methodology embraces urban acupuncture principles. Strategic placement of inclusive points along the central route, dubbed the 'Armature,' fosters an environment where the Formula E Pavilion thrives. We repurpose underutilized parking spaces, consolidating them into a designated site overlooking the sea, addressing the pressing need for housing closer to the CBD. The Circuit Pavilion, a central feature of our intervention, embodies flexibility and inclusivity. Inspired by the park's principles, it integrates gradual berms, accommodating various programs, from art exhibits to informal markets, ensuring a vibrant, adaptable space for all.

Central to our design narrative is the symbolism of the South African Flag, representing unity in diversity. By infusing this symbolism, our project champions inclusivity, inviting people from diverse backgrounds to participate in the Formula E ambition. This paper not only presents a visionary blueprint for an inclusive urban space but also emphasizes the broader implications of social integration and accessibility. Our work advocates for cities worldwide to embrace diversity, celebrate inclusivity, and pave the way for a future where urban spaces truly belong to everyone, echoing the aspirations of 'the right to the city.'



NOW NOW POWER TOWER

Team members:

Kevin Fellingham [Cape Town]

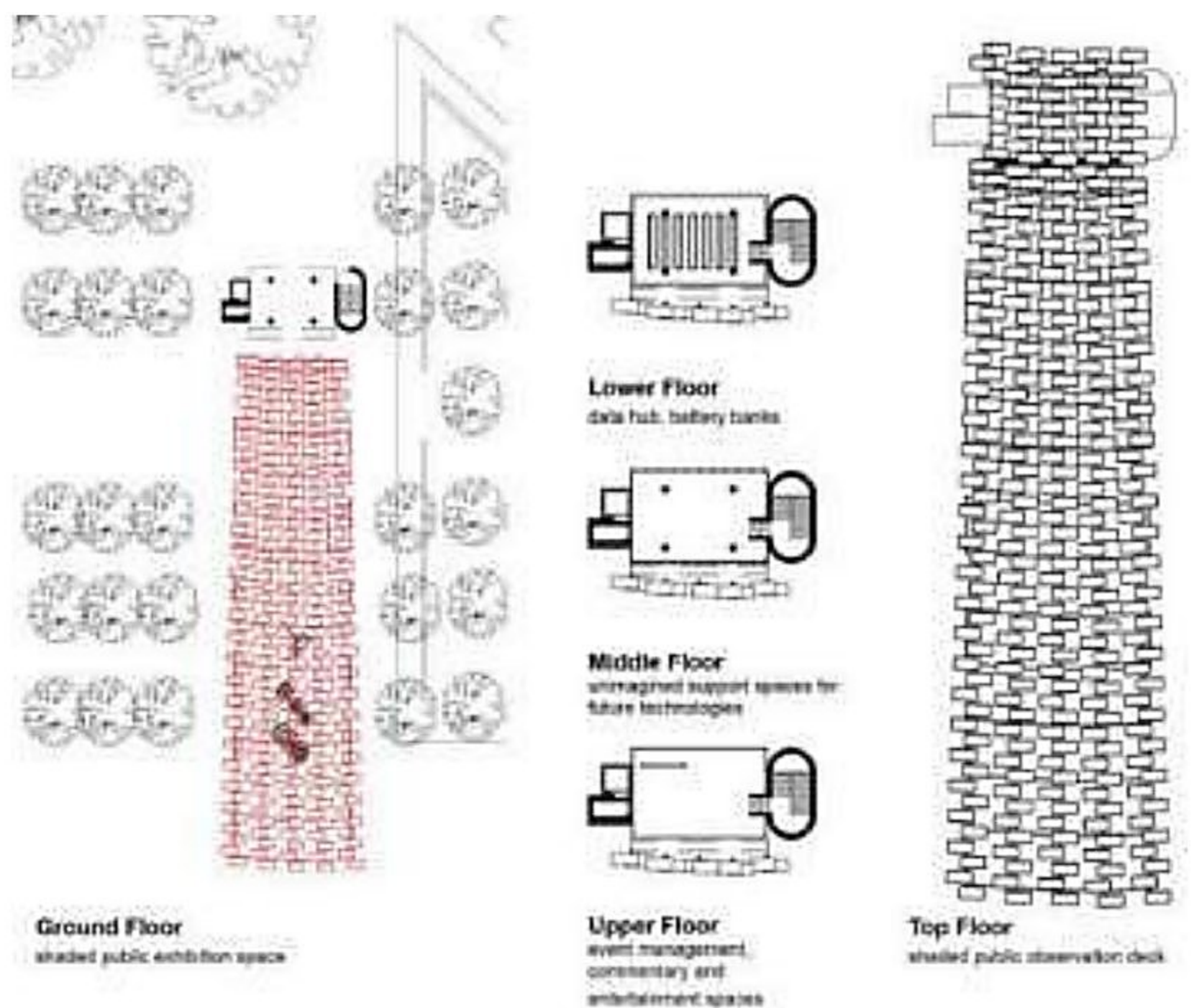
Jana Scriba [CapeTown]

We propose a pavilion which marks the entrance to the stadium precinct where so many significant sports events have and will continue to occur. The steel and timber structure, designed for disassembly, supports a tessellated skin of photovoltaic panels, optimally oriented for efficiency. The surface transitions from roofshading a space for gathering and exhibition purposes to a vertical plane which positions the panels as solar shading for the glazed tower to its south. The super slender tower is designed to be seen within the cityscape, a vertical counterpoint to the vortex of the stadium. It will be topped by a shaded public observation deck, below which a series of event management, commentary and entertainment spaces are stacked. At its lower levels it will provide screened spaces for data hub, battery banks and unimagined support spaces for future technologies.

The tower will collect, accumulate and store the power needed for the Formula E Cars, but more importantly it will provide free charging facilities for citizenry, encouraging drivers to leave their cars at the adjacent carpark and ride the new E Bus service in to the city and out to the southern and western suburbs, enabling a reverse commute.

The pavilion is more than a marker, it illustrates a better way of building the tall buildings that are unavoidably muscling their way into the city bowl, producing innovative but achievable architecture by thinking together a diverse range of old challenges and future opportunities with currently available technologies into a memorable spatial and visual form.

Rather than making it short we have made it as tall as possible, for rhetorical reasons, but the hybrid array of solar array becoming solar canopy, becoming solar facade and solar crown has been established and can and will be realised at a variety of scales. If not here, then elsewhere, if not now then NOWNOW.



The Pavillion

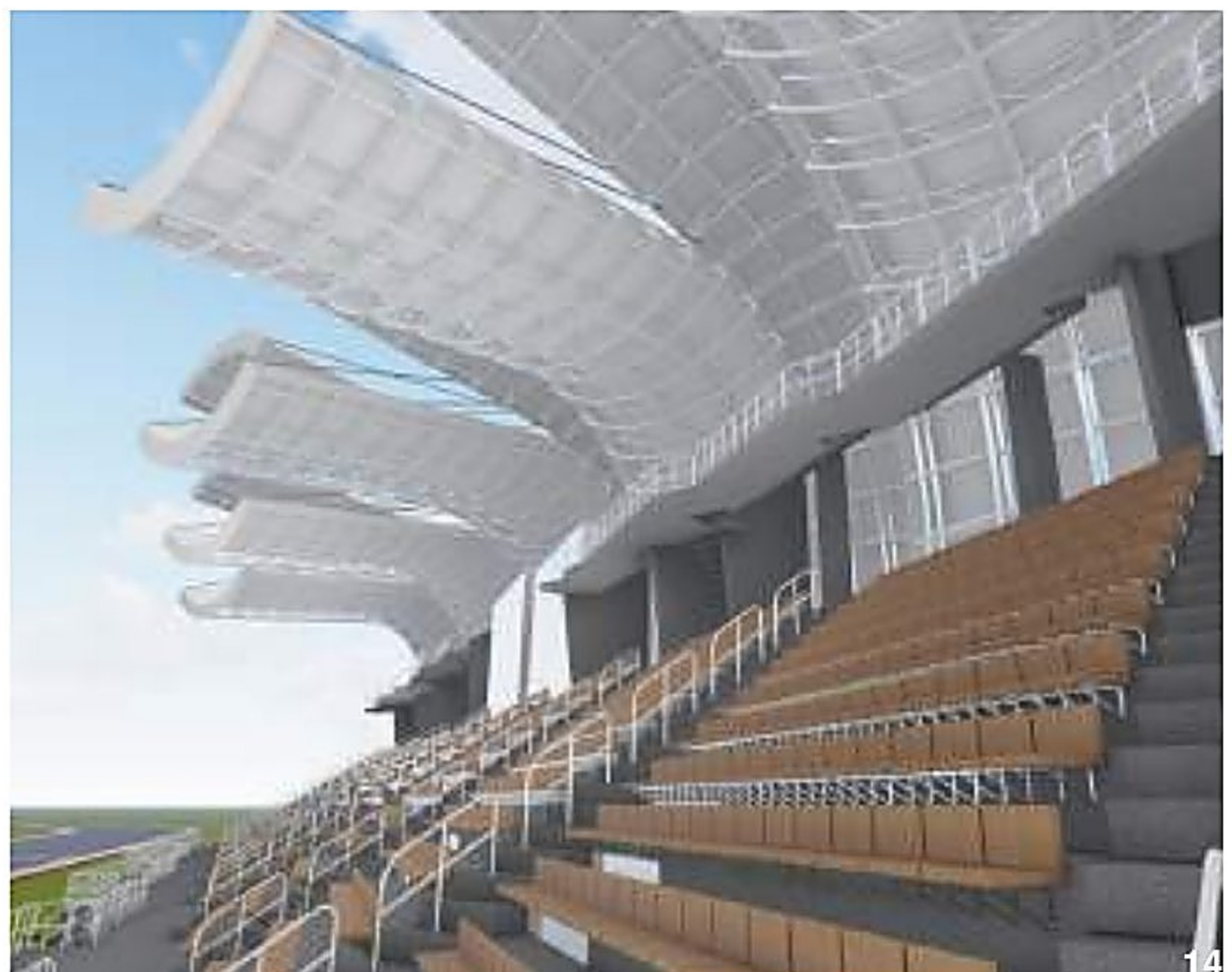
Team members:

Akinlolu Oluwatobi [Lagos]
Abioye Kehinde [Lagos]
Ojinni Oluwatosin [Lagos]

Our concept stems from the need to maintain thermal comfort while enjoying high speed electric cars racing through and creating an electrified impression in the hearts of spectators and racers themselves. The deep love rooted in the hearts of the South African Motor Sport fans explains the need for a sociable space to enjoy these thrills.

The idea stems from the need to be mobile, to build quickly and to take apart even more quickly, two different module types combine to make a compact module, this compact module is replicated five times with a total length of 82 meters and 18 m width giving an area of 1476 m².

The modules are expandable so that it caters for more high speed race loving fans. The intentional gaps allow rising heat to escape into the atmosphere creating a cool area to enjoy the race or other activities the pavilion can be used for.



The Apex Pavillion

Team members:

Enrico Pescivolo [Johannesburg]
Alexander Mbedzi [Johannesburg]
Christiaan Davel [Pretoria]

Nested in the corner of Vlei Rd. and Helen Suzman Blvd., the Apex Pavilion offers fans an unprecedented experience of Greenpoint's Formula: E street circuit. The pavilion is split into two discrete sections, one located on the outside of Turn 1 and the other directly opposite Vlei Road, overlooking peering over the apex of Turn 1. The split buildings maximise racetrack visibility from within, while the glass construction allows for photogenic views of both the structure and its contents from the outside.

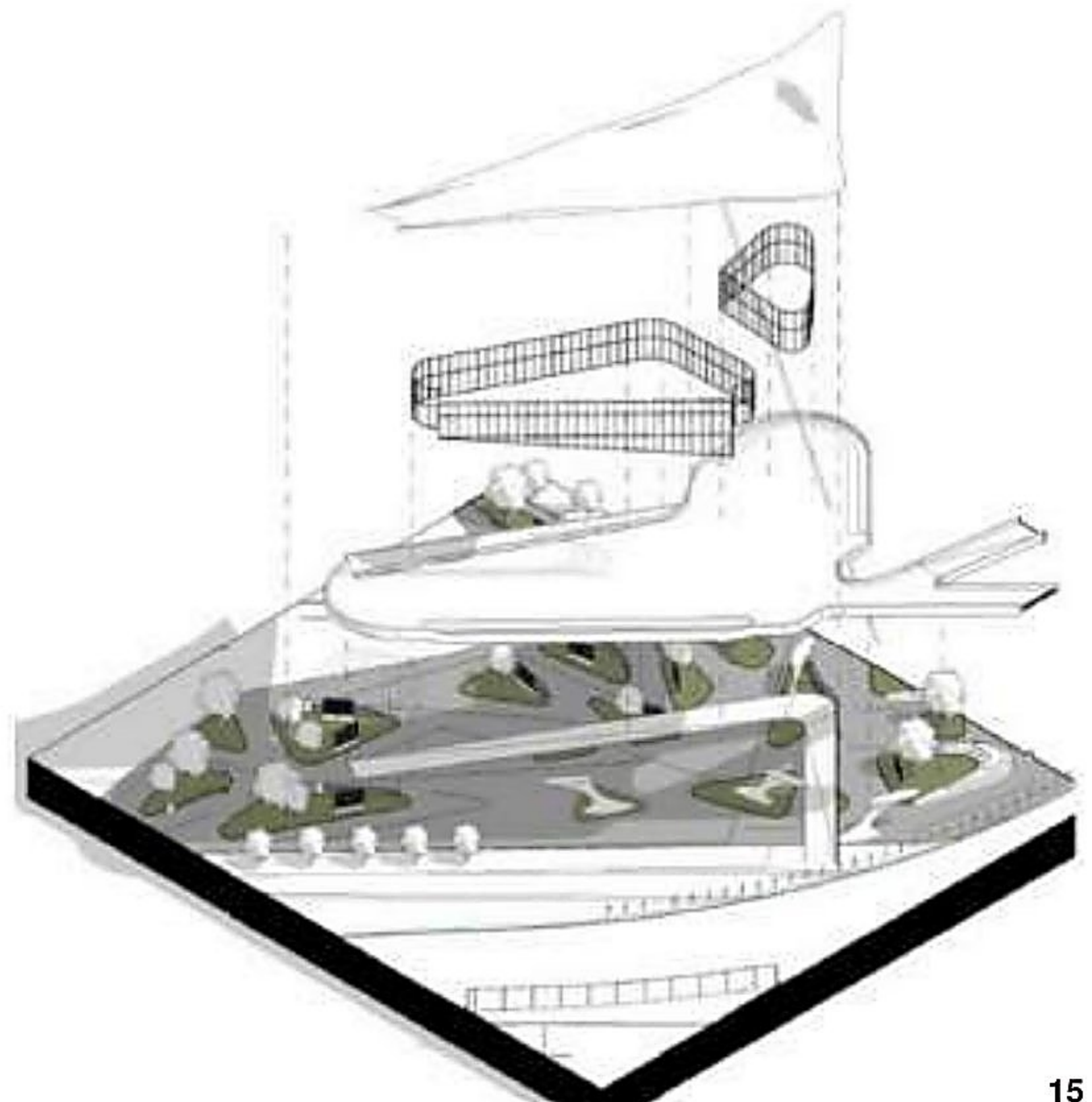
The Apexes are connected by Bird's Eye Bridge which spans the main straight over Vlei Rd and provides fans with a safe and convenient passage into and out of the structure. From Bird's-Eye, fans are made intimate with the action as the whirr of electric motors sparks adrenaline from underfoot.

The canopy is the structure's technological centrepiece, its form is inspired by streaking water droplets along the bodywork of a speeding car. The canopies feature indentations that channel water into filtered catchments immediately accessible from within the facility, providing race teams, fans and surrounding communities with clean, potable water.

Constructed from thermochromic solar pixels, the canopies also power the pavilion and change colour depending on how much heat they receive.

The Apexes are largely constructed from recycled scrapyards cars, rekindling the past to support the future of sustainable speed. The pavilion is designed to be multifunctional. When the street track falls silent the pavilion transforms into an automotive museum, a venue for new car launches or a site for the academic community to engage in topics of renewable energy, material science and climate change.

The Apex was inspired by the 3 tenets of Formula E: motion, technology and sustainability. This project pursues the visceral joy of racing and underscores the wonder of sustainable technology for the People.



Conenergy Center

Team members:

Maja Karska (Zlotoryja)

Kseniia Chernenko (Kiev)

Michael Holzer (Vienna)

The Pavilion's main aim is to run on sustainable energy sources. It utilizes solar, wind, and waterpower, along with flexible floor panels to adapt to different needs. Its name is "Conenergy Center", that embodies the very essence of this dynamic establishment, reflecting its purpose and impact of the new sustainable and innovative way of living.

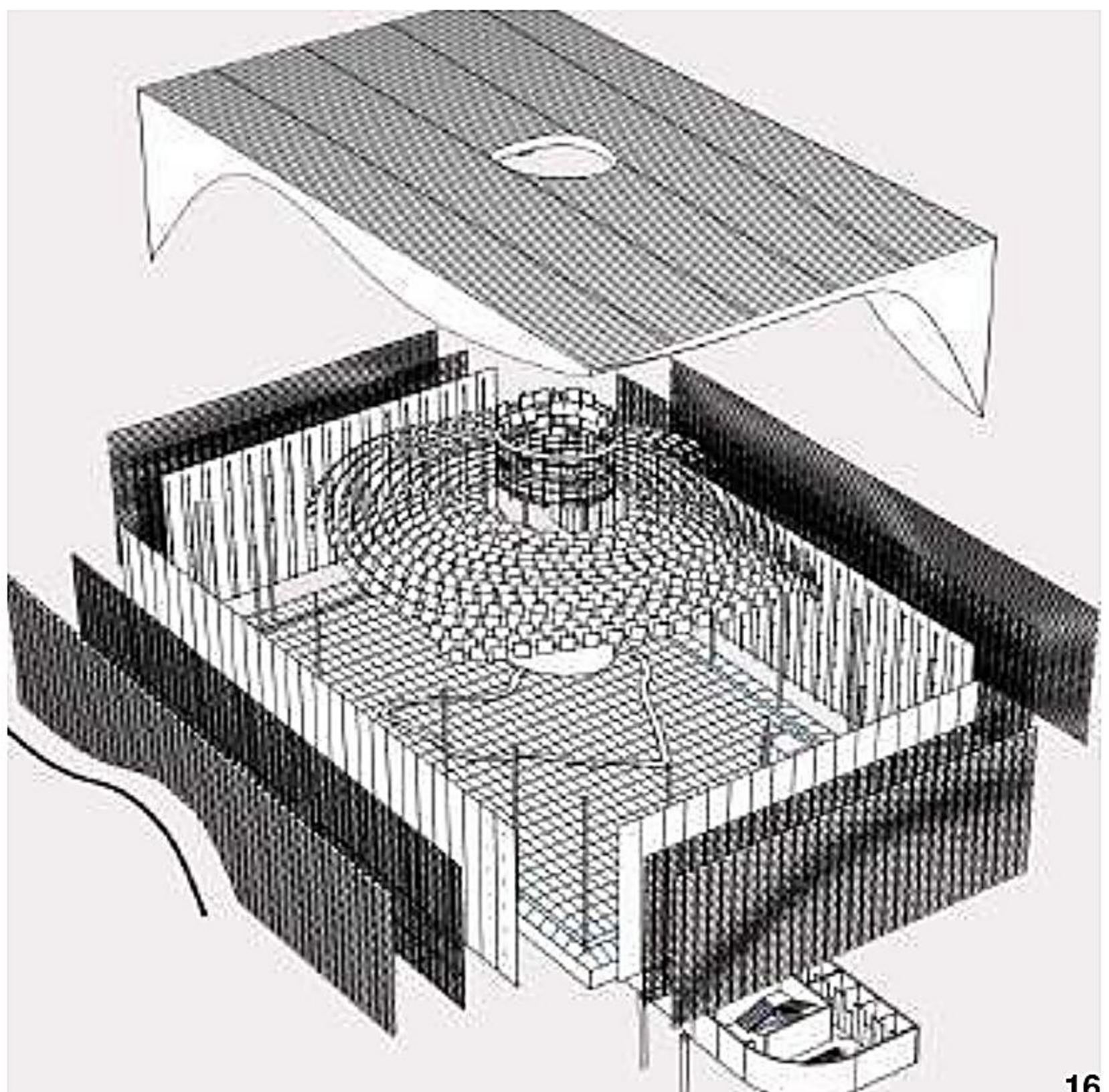
Energy concept is a crucial factor to the design approach. Photovoltaic panels are not only strategically placed on the roof but also in a form of inverted heliostat inside the pavilion, reflecting and harnessing sunlight throughout the day to illuminate the space without consuming traditional electricity.

500 photovoltaic panels on the rooftop generate electricity of 200 kW during the day, storing excess energy for use during the night. The solar energy is also used in an unlike way, where it powers lasers that create holographic shapes on the Pavilion's floor, forming a racetrack to display the current state of the race.

The Pavilion's facade is equipped with kinetic wind panels that respond to wind flows. These panels serve a dual purpose: providing additional shade and capturing wind energy for power generation.

At the facades bottom there is a water circulation system, that flows around the Pavilion's structure to cool down the area, particularly the glass facade, reducing heat and enhancing energy efficiency.

The Conenergy Center floor is equipped with modular platforms that can be adapted to various needs, allowing for the space to be customized for different events and functions. This modularity ensure that the Pavilion remains versatile and can accommodate a wide range of activities, making it a dynamic and multifunctional structure.



Pavillion E-1795

Team members:

Maja Karska (Zlotoryja)
Kseniia Chernenko (Kiev)
Michael Holzer (Vienna)

Fort Wynyard, a site steeped in history, stands witness to Cape Town's complex social dynamics. The people, residing in socially inequitable positions, face the enduring pressure of historical events and societal inequalities. This proposal seeks to address this by offering a beacon of hope and innovation.

This visionary Pavilion will be constructed primarily from fiberglass boxes, each measuring 400x500mm, connected by carbon fibre elements. The design aims to allow for reflection upon the rich diversity of Cape Town's society as well as the materials used in the development of automobiles in the racing industry.

Strategically located near the racetrack (25m) and shoreline (250m), the pavilion provides a unique perspective on a part of the track that is not yet spectated, the east-west section of Beach Rd.

Initially, the pavilion will serve as a permanent structure. After a decade, it can be relocated, ensuring sustainability and adaptability. Alternatively, the fiberglass profiles central to the design, can be repurposed as divider walls, furniture, art installations, and more, demonstrating an eco-conscious approach.

While being located at Fort Wynyard, the pavilion will serve as a hub for various purposes, differentiating its use:

- Race Weekend: A dynamic showcase of cutting-edge technology, with an electric uproar from motorsport enthusiasts and eager spectators.

- Educational: Offering a space for lectures, workshops, and other forms of knowledge sharing, enabling a bridge to counter the educational divide.

- Festival: Hosting vibrant festivals, including architecture events, to foster community engagement.

The urgency of this project cannot be overstated. We must embrace this opportunity to address historical inequities and build a brighter, more inclusive future for Cape Town. Now is not just the right time to act, it's NOWNOW. wide range of activities, making it a dynamic and multifunctional structure.



Use case 2 - Education



Use case 3 - Festival

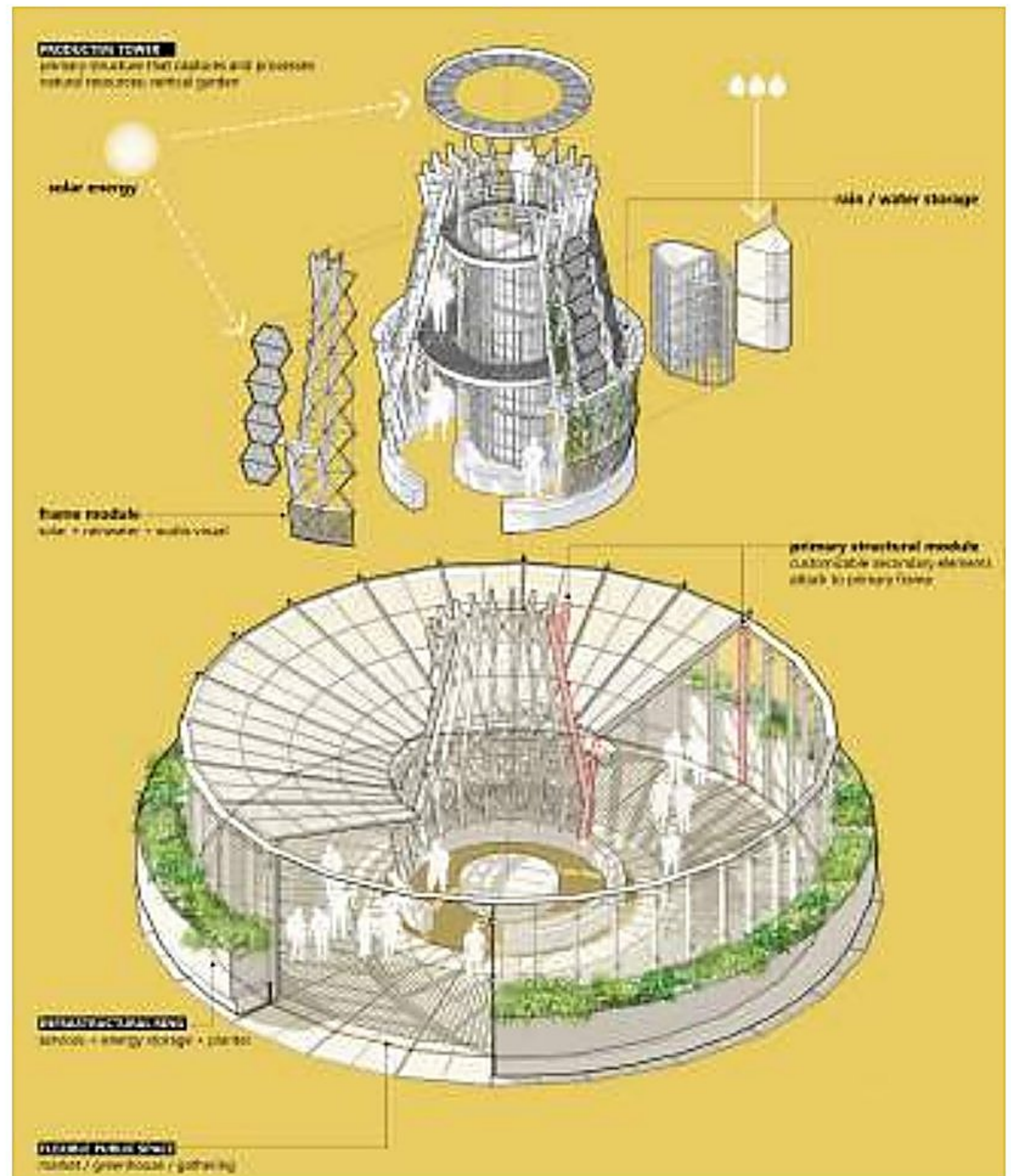
Pitstop: Cape Town *Third*

Team members:

Lloyd Pretorius [Cape Town]

A future pavilion for Formula-E

This project proposes adaptable modular structures as a future pavilion for Formula-E and local circuits. The network of pavilions aggregates around the racetrack to create a variety of public spaces to serve the varying needs of the city and organizers during the race weekend and thereafter. Similar to the racetrack, where vehicles are repaired, refuelled and refreshed, the Pitstop pavilions are envisioned as locally customised spaces that can be annually refreshed. The hybrid system of structures (nature + architecture) consists of a productive tower, an infrastructure ring and flexible public spaces. This system enables the pavilions to respond with great flexibility of assembly to the requirements of the public and is intended to be evolutionary, adaptable over time to respond to future needs.



Cape Pavillion

Team members:

Imaad Kamaldien [Cape Town]

Tylo Barends [Cape Town]

Designing a solar energy-efficient pavilion for the EPrix racing event in Cape Town represents a remarkable opportunity to merge sustainability and innovation with racing, embracing the future. This pavilion would serve as a focal point for the event, displaying innovative technologies while underlining a commitment to a cleaner, more sustainable future.

The pavilion's primary focus would be harnessing renewable energy sources, particularly solar power. Located in a city known for its sunshine, Cape Town offers an ideal environment for solar energy generation. The pavilion's roof would be adorned with an array of high-efficiency solar panels, designed to maximize energy capture from the sun's rays. These panels would not only power the pavilion itself but also contribute to the EPrix event charging car batteries, reducing the event's carbon footprint.

To ensure maximum efficiency, the pavilion would employ advanced energy management systems and battery storage solutions. Excess energy generated during the day could be stored and used during the evening or cloudy days, ensuring a reliable and continuous power supply.

Aesthetically, the pavilion would feature an innovative, futuristic design that not only complements the EPrix racing event but also stands as a symbol of the city's commitment to renewable energy. Its open-air design would promote natural ventilation and reduce the need for energy-intensive cooling systems.

Furthermore, interactive exhibits within the pavilion would educate visitors about renewable energy and sustainable living, promoting awareness and inspiring change. The pavilion's design would serve as a testament to Cape Town's dedication to a greener, more sustainable future, emphasizing the importance of renewable energy solutions in urban environments.

In conclusion, a solar energy-efficient pavilion for the EPrix racing event in Cape Town would symbolize a harmonious blend of innovation and sustainability. By harnessing the power of the sun, employing energy-efficient technologies, and promoting environmental awareness, this pavilion would not only provide a memorable experience for event attendees but also contribute to the global shift toward cleaner, more responsible energy practices in the racing industries.



THE GRANDSTAND

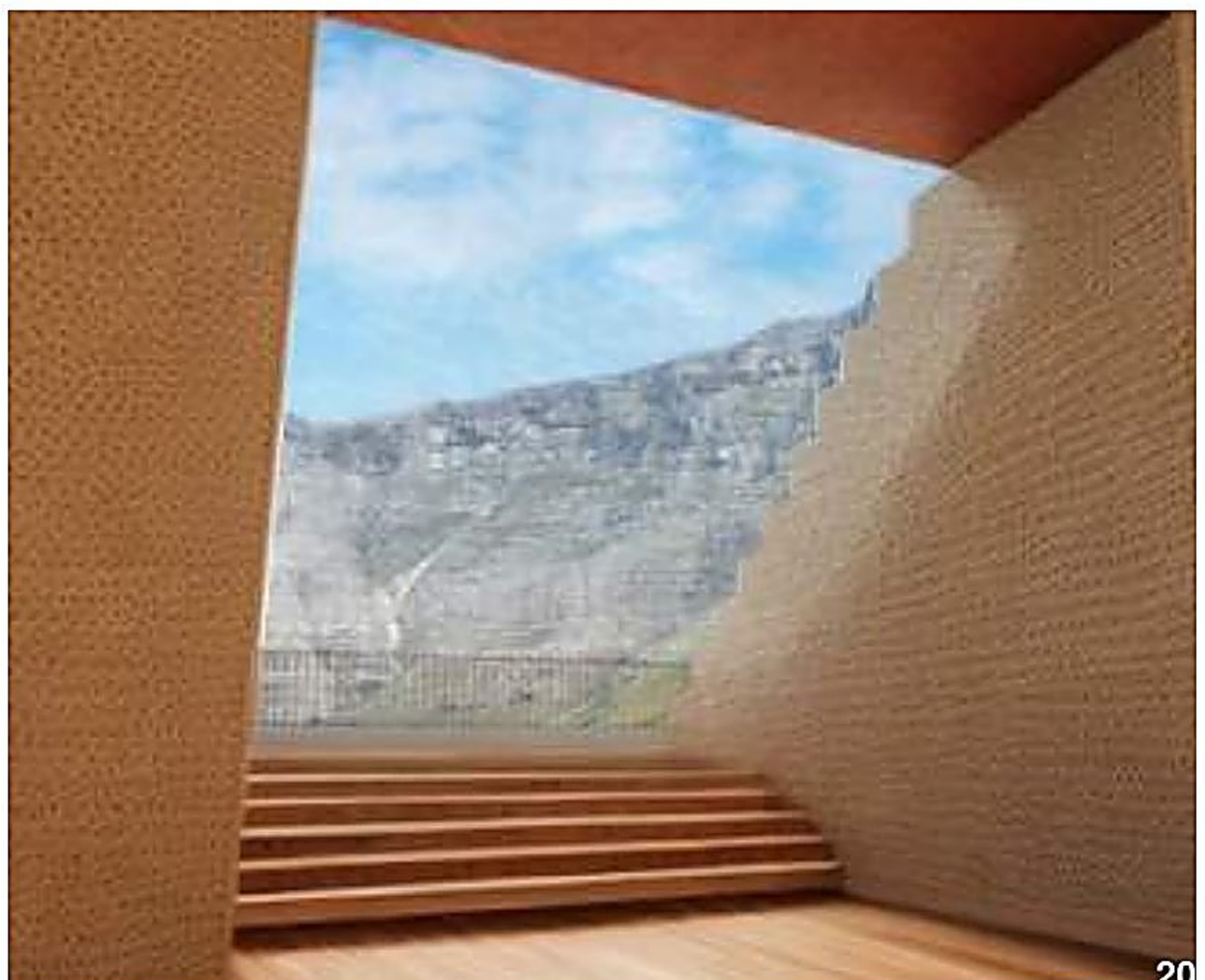
Team members:

Tristan Link [Cape Town]

This project called, "The Grandstand, bringing the track to the people" was a project that has been designed with the focus of a greener future environment in mind (Almost an entire grandstand built out of wood. Creating a pavilion that brings everyone and anyone to the racetrack regardless of their ability. This unique butterfly wing design is unique in many aspects and has been thoroughly designed with the main focus of 1 major aspect. That aspect is to have the best possibly view while being fair to everyone seated within this facility.

This design has a lot of potential to grow and be pitched up in any stand location. The design follows a normal grandstand style with a few namely extras such as, VIP private rooms, a cafe, disabled viewing port and many bathrooms strictly for in house guests only. This concept idea can be built anywhere around the track and will fit in. The simple, slick and sharp edges in this design make it fit into the slim look and feel of a new formula E racing car.

Now let's get the cars racing and our blood pumping



The Circle Pavillion

Team members:

Mbali Mbense
Nelsia Massuanganhe

The form of the Circle Pavillion was inspired by the Cape Town Stadium, with its circular form and pallet of colours. This was a way of incorporating the vernacular of its surroundings. The building has a total of 3 floors, the First Floor having a reception Area; Lobby Area; Women and Men WCs (including disabled WCs in both); a Motorsport Museum where fans get to know more about the motorsport world and how it began here in Cape Town; The VIP Lobby and separated entrance; Food Market; and a Fan Lounge where they get the chance to meet the drivers, get autographs, see the drivers being interviewed, etc; The Second Floor and Third Floor are divided into the VIP stands and the General Public Stand.



Electric City

Team members:

Wesley Walbrugh [Cape Town]

ELECTRIC CITY

By combining architectural innovation, sustainable design principles, interactive exhibits, and community engagement, a pavilion for Formula E can effectively embody the spirit of electric racing while inspiring visitors to embrace a more sustainable future.

PAVILLION LOCALITY

The locality of the design in relation to the track was strategically chosen to optimize the race experience. In placing the pavilion midway between turn three and four a holistic user engagement was established.

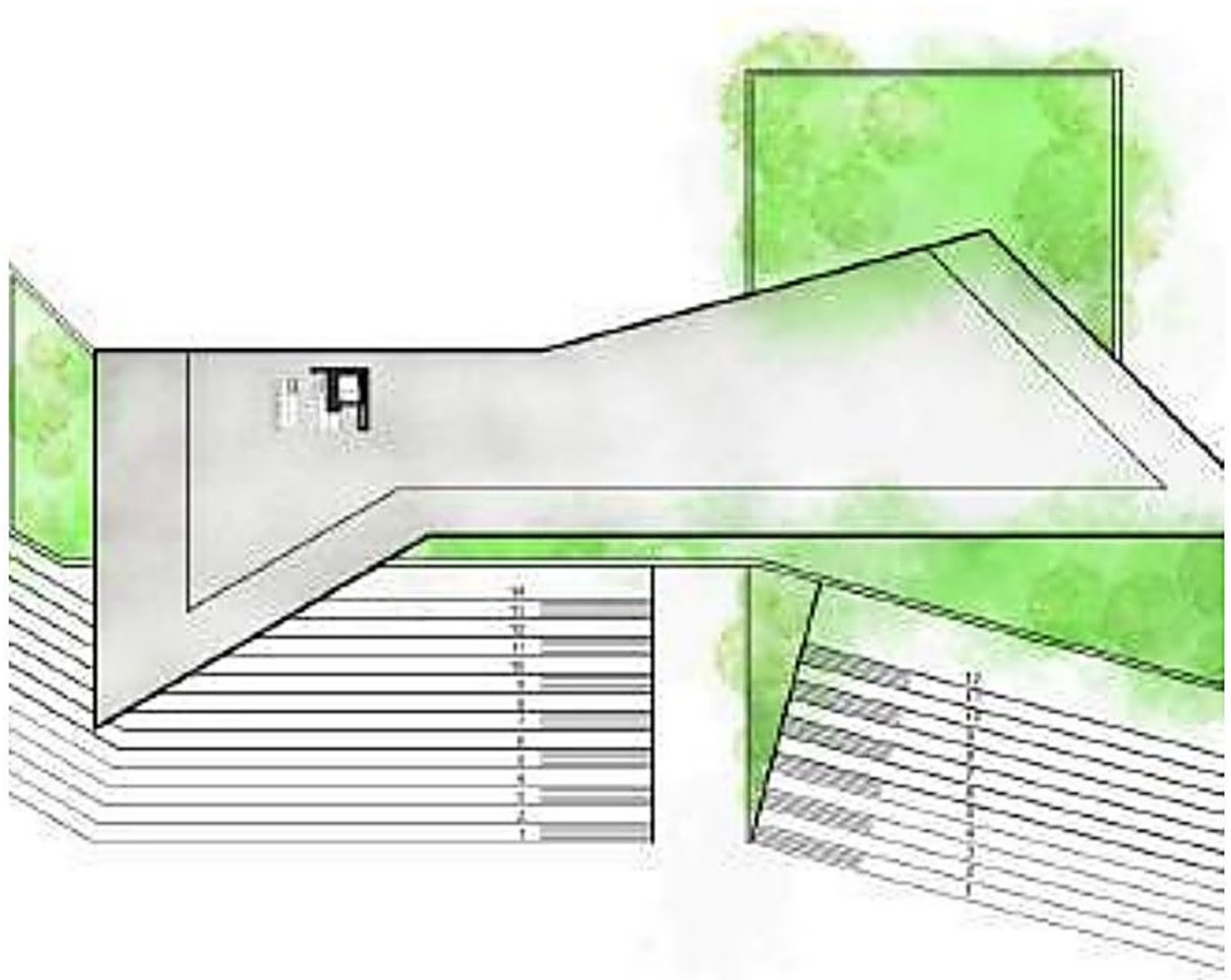
The locality unlocks views to the pit lane, showcasing all that goes on behind the scenes of the race. The pit exit runs parallel to the pavilion bringing you as close as possible to the car as it rejoins the race onto a high speed straight which runs into two slow speed turns creating a constant contrast between high and low speed.

ACCESSIBILITY AND TRANSPORTATION

By partnering with Cape Town Electrek, a local company renting electric bicycles and scooters, we can promote sustainable transportation options for visitors aiding in convenient access to all of Cape Town's hot spots.

INTERACTIVE EXHIBITS, EDUCATIONAL PROGRAMS AND COMMUNITY ENGAGEMENT

The creation of interactive exhibits inside the pavilion provides the opportunity and ability to educate visitors about electric racing, clean energy, and sustainability using augmented and/or virtual reality creating an experiential sense of immersion for visitors in the world of Formula E. Formula E events prioritize fan engagement through initiatives such as fan zones, autograph sessions. In addition, by inviting Formula E drivers and experts to share their insights we can establish a form of engagement with the local community and involve them in the pavilion's design and programming.



First Thursdays Collaboration

Team members:

Kelly Fortuin [Cape Town]

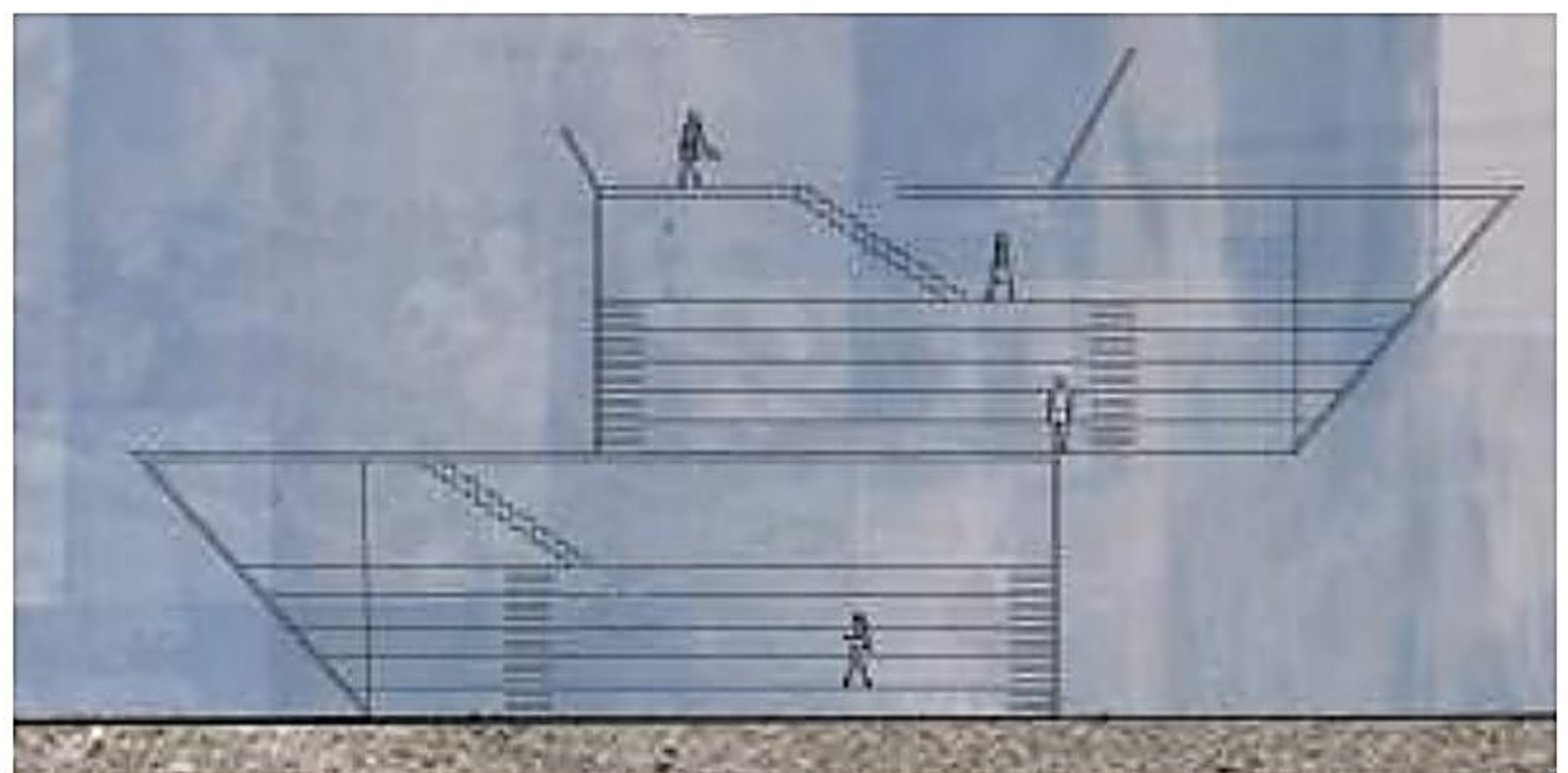
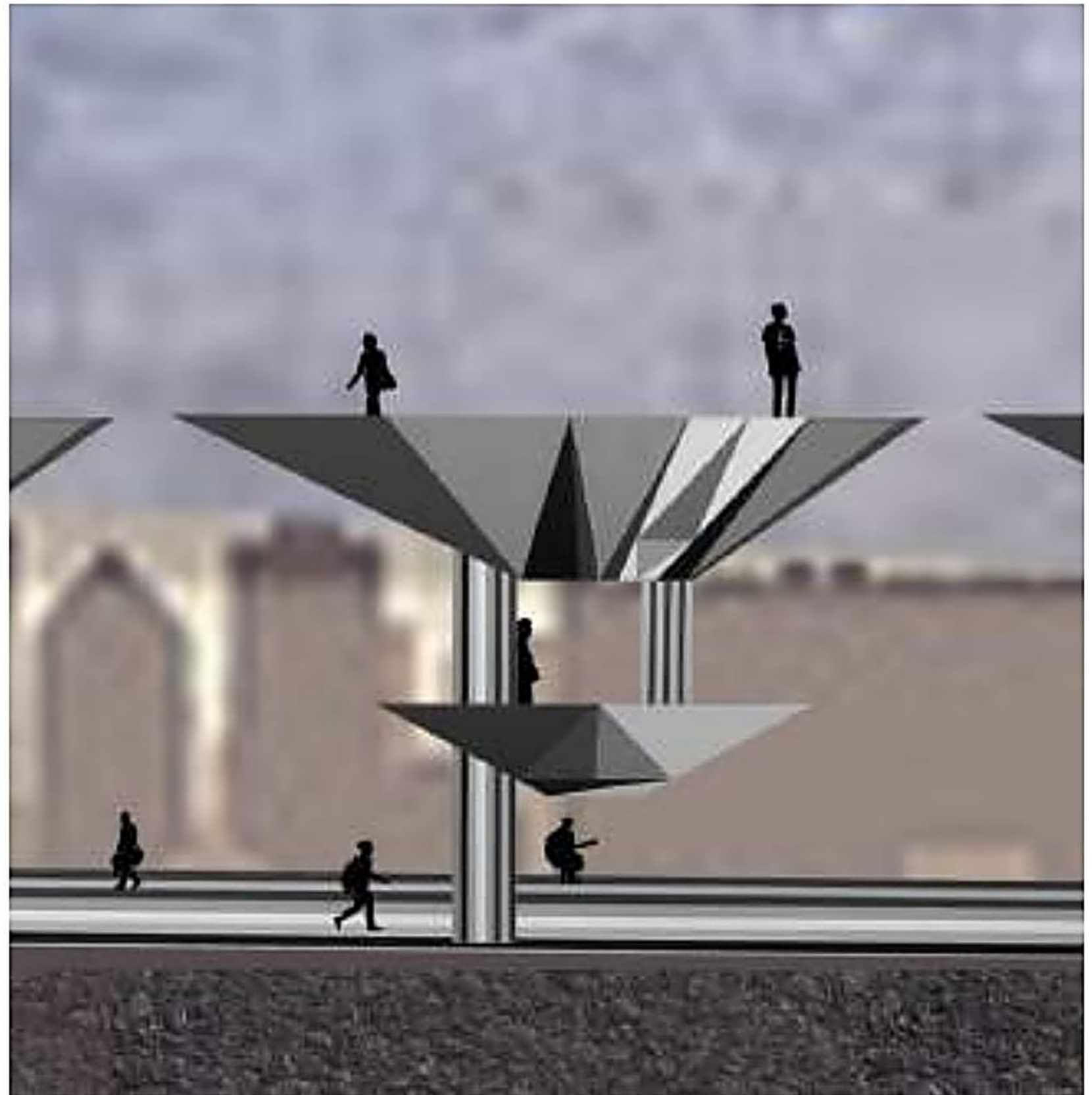
Cape town is well known for its music, culture, cuisine and art. For this concept the goal is to have a Grand stand designed by use of a collaboration with various South African Artists and Architects. One artist who stood out as a good candidate for this project was Henk Serfontein due to the way he creates layering and depth in his geometric art pieces.

Henk Serfontein is a South African Post War & Contemporary painter who was born in 1971. Throughout the past decade, Serfontein's abstracts explored similar themes and psychological spaces, questioning the space between European tradition and adventurous, unrestrained African aesthetic as he excavated his own identity not quite African, not quite European. A deep, enduring attachment to the landscape pervades as an intersection of identity, culture and history. His geometric compositions echo the art deco lines of the Mozambican city's buildings and ceramics. Serfontein created this composition by cutting out replicas of his own existing artworks and rearranging them within highly irregular dimensions in a format reminiscent of landscape.

The site chosen for this design is site B1 which is located on Helen Suzman Blvd and faces North East which gives views of Lions head, Green Point stadium as well as the starting and finishing point of the track

This design is a three story vertical structure. The first and second floors are spectator areas. The third floor is an entertainment area equipped with a bar. The primary structure is made of Galvanized steel which forms part of the design's primary structure. South African pine as decking and cladding and Glazing for the envelope of the structure.

This design is a bridge which links the diversity of South Africa and Cape Town to our foreign visitors giving an introduction of what Cape Town and South Africa has to offer.



The Red Ribbon

Team members:

Tristin Theron [Cape Town]
Jozef Smit [Cape Town]

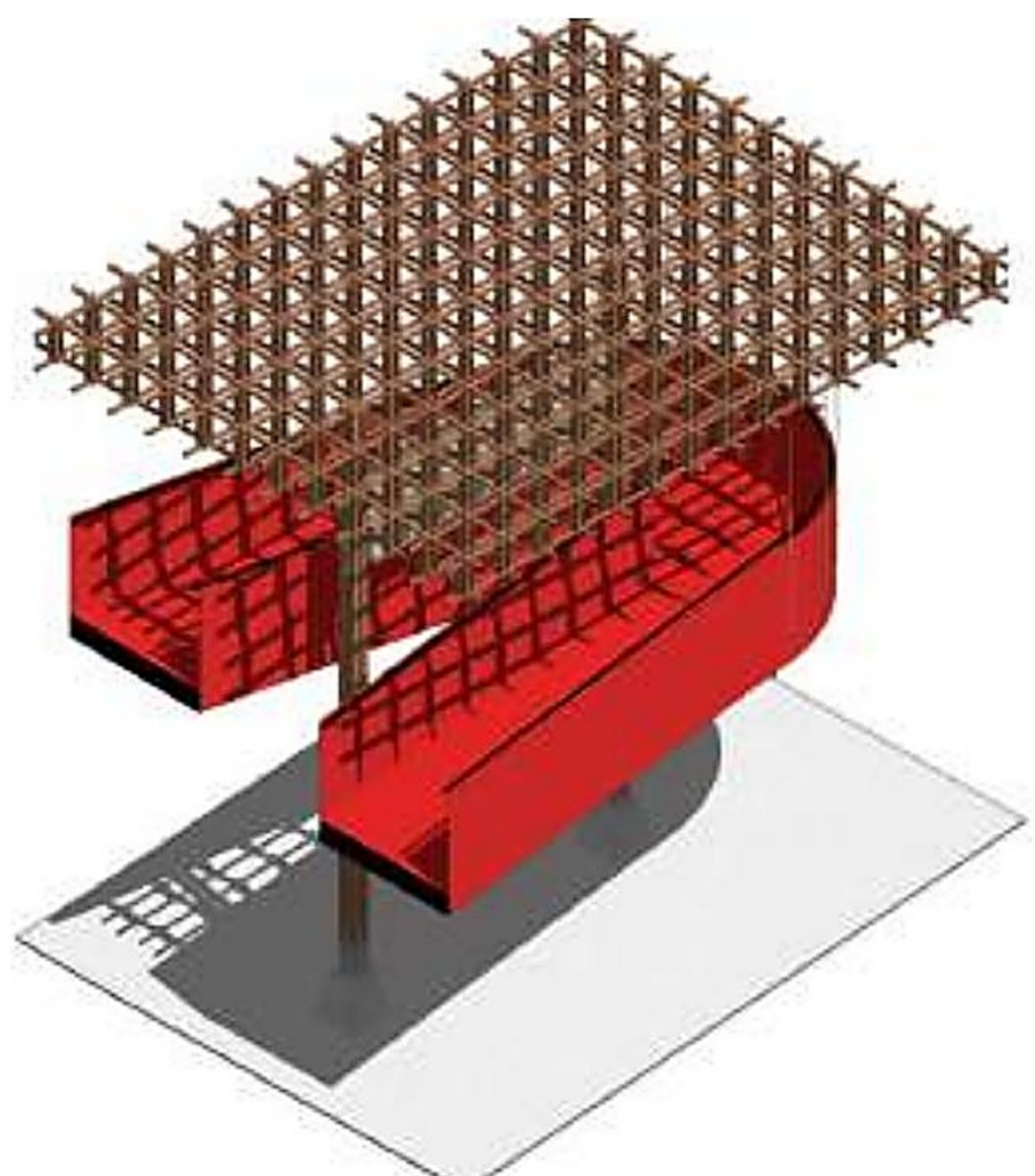
This pavilion hopes to sustainably and inclusively celebrate Formula-E racing with a lightweight timber extension of the space.

This is an urban gesture that creates a viewing platform for all, within a void of space that would otherwise not be usable for the purpose of enjoying the Formula-E races. The construction, consisting of a timber space frame, creates a threshold on ground floor for public use, with information panels (about Formula-E and its history) spanning between the various timber columns, while also creating a space that is accessible to all at road level to enjoy the races.

The timber space frame plays with light, behaving as a light filtration system to create an optimal temperate experience. The timber frame of the pavilion also not only uses sustainable materials, but also uses these standard members as efficiently as possible, distributing the forces evenly across the plane of the roof/floor. The majority of this structure is made up of only 32x32s and 69x69s, with only the bases being of a steel connector with concrete weighting.

A red ramp weaves through the space and timber columns, creating a sculptural element within the volume that echoes the language of a racetrack, while providing universal access.

This void that the pavilion fills, was first created and defined by the raised intersection of roads. It is hoped that this pavilion acts as a facilitator of discourse surrounding not roads themselves, but the spaces left behind that are defined by these roads, and the impact that this kind of infrastructure may have on the pedestrian experience.



NOW

NOW

**SEE YOU
NEXT TIME!**