CARLOS ARLEO

ARCHITECT

URBAN RESEARCHER

PROFESSIONAL EXPERIENCE

COLLABORATIONS 2005-2008

Chacao Cultural Centre
2005 - ODA Architects

Junior Architect - As a part of the project, I assisted an engineer in assembling the information package for cost assessment of the works. I was also responsible for the development of the visualisations for the client.



Football Stadium
2005 - ODA Architects

Junior Architect. I was involved in the project from the initial sketches up to the end of the RIBA Stage 4 design works and preparing a stage 3 report.



Mediaset Building
2007 - CNS Milano

Design Architect for Mediaset Headquarters in Milan, Italy, which consists of Double-Skin Facade to Protect Original Structure. For the new façade of the Mediaset building, CNS spa was awarded with the Special Prize at the '2008 RE Real Estate Awards'. -the "double skin facade" system is based on external double glazing and internal panes of glass mounted on separate frames to create a ventilation air gap.



Reggione Lombardia
2007 - CNS Milano

Design Architect. The complex of buildings designed by I.M. Pei is composed of 5 bodies 9 floors high and a tower which reaches a height of 161.30 m. so much to represent the tallest building in Milan. A total of 75,000 m2 of transparent double-skin façade was installed, which constitutes the so-called "Climatic Wall": this is composed (from outside to inside) by a cell containing a double-glazing, 95cm air space, laminated glass protecting the interior.



Pirelli Building
2007 - CNS Milano

Design Architect. The construction of the new RCS headquarters designed by Stefano Boeri, is part of the broader building replacement project for the historic Rizzoli site in Milan, consists of two buildings for office use, a soundstage and an underground storage facility. Two different architectural choices typify the facades of the multi-storey buildings (A2 and B5), which have facilitated the adoption of different construction technologies with the aim of optimizing costs and subdividing the construction of B5 into different phases. The single-skin façade of the A2 building, created in a single phase, is made up of aluminum-framed cells, with the visual part consisting of alternating vertical glazed strips and vertical black and white silk-screen printed glass sheets.



Cortina Hotel
2007 - CNS Milano

Design Architect. I have been involved in the concept, developed, technical and construction architectural design, in the technical assistance on site and structural construction management.

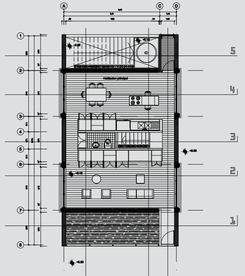




PROFESSIONAL EXPERIENCE

PERSONAL FIRM 2008 -2013

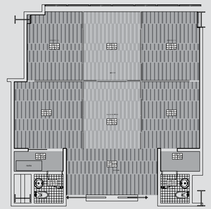
House 2P
2008 - Private House Caracas, VEN





Ekabel Office
2008 - Office in Caracas, VEN

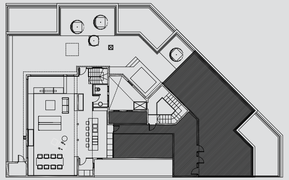
Project and Construction of Ekabel headquarter office. Proposed a modular system to promote and fostering interaction and team work. 90sqm





Gran Via Girona
2010 - Private House in Barcelona, SP

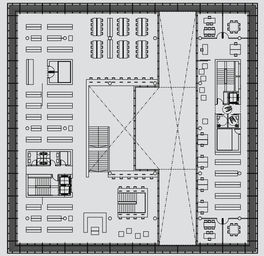
Refurbishment Project and Construction of 135 sqm house





Barceloneta Library
2010 Competition, Barcelona, SP

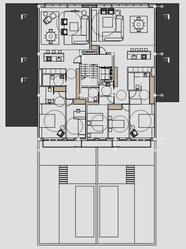
Student Competition for the new Barceloneta Library, includes a tourist information centre, restaurant and museum, part of a greater cultural civic masterplan.





Calle Verdi
2011 Private House in Barcelona, SP

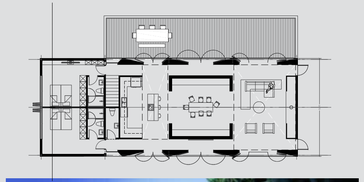
Refurbishment Project and Construction. 195sqm

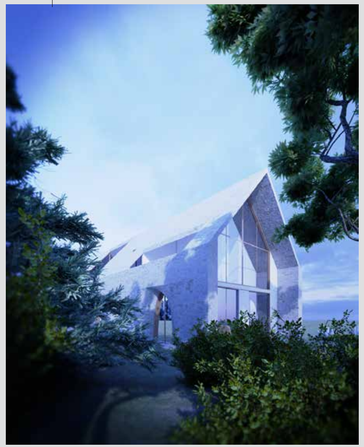




Cellar-Arches House
2013 - Concept Stage for Rural house in Treia, IT

Concept for refurbishment of a rural house in Treia, Italy. 215sqm.





PEPV

NATIONAL COMPETITION - SECOND PLACE

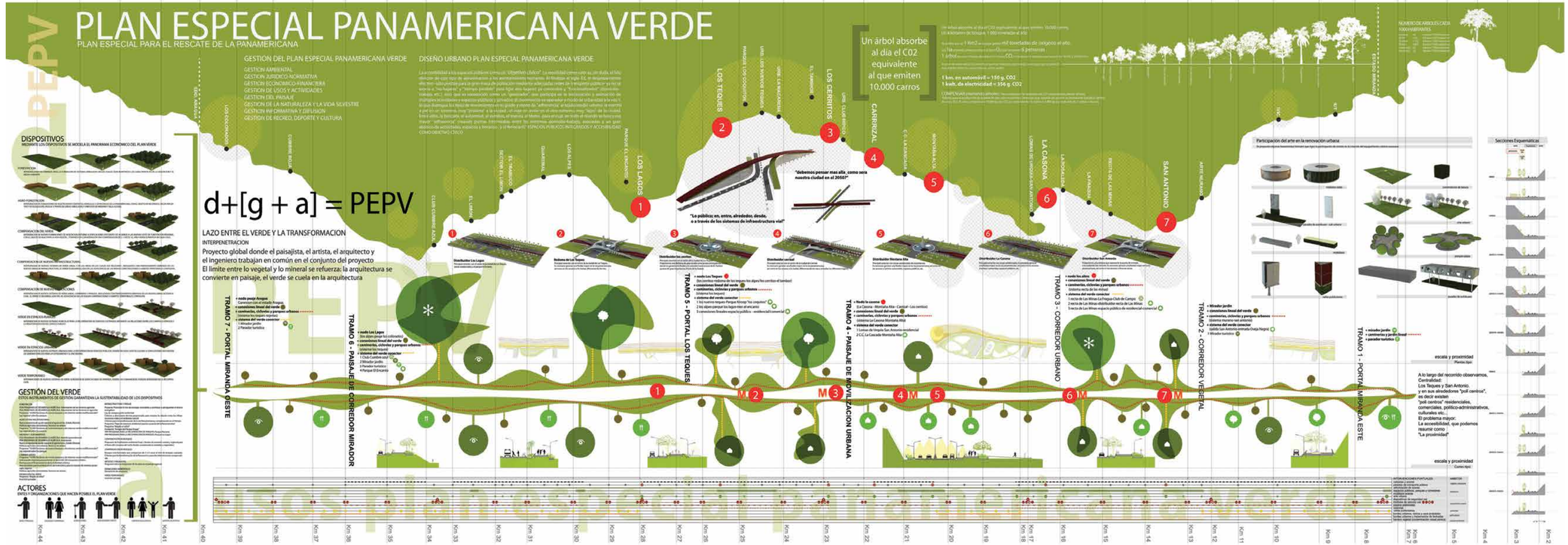
2008 Personal Firm

My responsibilities included:
Conceptualisation and proposal for the masterplan where the physical context is considered as a primary element and, starting from there, develops its additions to the road system. We have proposed an extensive study of the variety of situations along the route, without losing sight of urban development. The proposal has been developed under an ecological-landscape approach, whose contribution is based on the association between environmental quality and place.

The Accessibility to Public Spaces as a "Civic Objective"
In the National Competition for a comprehensive proposal for the Rescue and Revitalization of the Pan-American Highway and its immediate surroundings mobility as a value is undoubtedly the thread director of our approach considering human settlements. At the end of the 20th century, an effective displacement is only possible for the large population through adequate public transport networks - it is no longer associates to "no-places" and "wasted time" to link two already known and "functionalized" places (home, work,etc.), but is recognised as a "generator", which participates in the establishment and animation of multiple activities and public and private spaces: the movement is operator and mode of urbanity at the same time.

- **Devices:** Through the devices the economic panorama of the green plan is modeled: Forestation, Reforestation, Green Compensation, Compensation of new infrastructures, Compensation of new buildings, Green in rural spaces, Green in urban spaces Temporary green
- **Green Management:** The management instruments guarantee the sustainability of the devices: Multifunctional Agriculture, Agro-Environmental Standards, Green Roads, Green Promotion, Infrastructure And Landscape, Forest Compensation, Artists And Landscapers, Environmental Donations, Seasonal Green
- **Actors:** Entities and organizations that make the plan possible: Public Entities, Companies And Enterprises, Farmers, Civil Associations, Educational Centers, Plastic Artists

We have proposed interpenetration as the main concept. It is a global project where the planners, the artists, the architects and engineers works together in the whole project. In this way, the boundary between the green and the mineral is reinforced: architecture becomes a landscape, green slips into architecture.



PROFESSIONAL EXPERIENCE

OUTSOURCING COLLABORATIONS

Nesaj Residents

2013 - Atkins-Shaun Killa - Concept Stage - Damman, KSA

Acting as an outsourcing architectural services to Atkins Design to develop a masterplan and architectural proposal for the Nesaj Residential Project. A methodical process has been adopted in order to analyse the conditions of the site and to understand the limitations of the brief. Through careful analysis and testing, a finalised design has been developed providing a full detailed account of the key factors of the design, including 3d geometry, development sketches, sections, elevations, general arrangement plans and external perspectives.



Abdulsalam Residences

2013 - Atkins-Shaun Killa - Concept Stage - Dubai, UAE.

Outsource architectural work developed to Atkins Design-Shaun Killa Architect. I have been commissioned to generate the design concept and architectural approach to develop a preconcept architectural proposal for Plot 3450520, Business Bay Dubai. A methodical process has been adopted in order to analyse the conditions of the site and to understand the limitations of the brief. Through careful research, analysis and testing, a full detailed account of the key factors of the design, including case studies, 3d geometry, development sketches, study diagrams, planning diagrams and external perspectives.
An appraisal of overall areas and volume possibilities has been undertaken in order to assess massing implications for the G+29 tower. By understanding the optimum floor plate area (1327sqm) needed to achieve the maximum of 37,921 Sqm Total GFA within the height limitation, it becomes possible to analyse innovative design approaches to form and massing arrangements of 60,374 Sqm BUA.



Burj Al Arab Island Development

2013 Atkins-Shaun Killa - Concept Stage - Dubai, UAE.

Outsource architectural work developed to Atkins Design-Shaun Killa Architect. I have been commissioned to generate the design concept and architectural approach for the Burj Al Arab extension deck (Concept Stage), which the team agreed was inspiring and rational. The Terrace is a 10,000m2 upper deck, providing access to 32 cabanas, 300 sun loungers, restaurant, pool and outdoor bars. Inside the lower level is over 2500sqm of area accommodating, retail, VIP areas, locker rooms, showers, change rooms and technical spaces.



Indigo Hotel Facade

2015 NORR-Yahia Jan - Dubai, UAE.

Outsource architectural work developed to NORR-Yahia Jan Architect. Concept of the façade renovation proposed to improve the visual appearance of a standard Indigo Hotel block in Dubai. The brief was to investigate the opportunity of delivering a range of configurations and sizes of a modular system and concept implementation of the façade renovation.



NESAJ

CONCEPT DESIGN RESIDENTAIL PROJECT

2013 Outsourcing Collaboration - Atkins - Damman, KSA

My responsibilities included:
Acting as an outsourcing architectural services to Atkins Design to develop a masterplan and architectural proposal for the Nesaj Residential Project.

Concept Narrative. A 'fareej' is a traditional neighbourhood system. Courtyard-style homes are built to the edge of the plot to maximise the use of land and define the public realm. Small paths, known as 'sikkak', strategically connect the homes to neighbouring homes, community facilities and intimate public spaces known as 'bar haat', as well as larger gathering spaces known as 'meyadeen'.

Concept Process. A series of studies have been undertaken in order to identify the optimum cluster layout. By studying the relationship between circulation, accessibility and apartment views; a preferred solution was reached. Upon identifying a suitable prototype, a number 'stacking' iterations have been explored in order to understand the best possible methodology for the overall build up of the community. There are 2 main conditions for the residential units; front garden-facing units or side units. In order to implement the concept of optimum garden views, we have considered the following issues for the units with limited views:-

We proposed to project private enclosed balconies at strategic locations adjacent to the majlis rooms. This way views are still achievable. Where possible, we proposed inset terrace garden zones on the side of the unit directly looking towards the gardens. The massing is being developed based on these hierarchies. Based on the aforementioned basis of design, the facade design incorporates 2 main features:

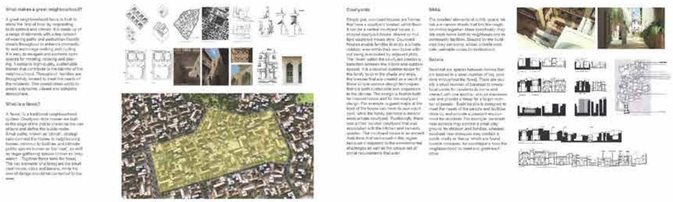
- Privacy – avoidance of overlooking windows
- Garden Views – optimised view opportunities

Masterplan Analysis. The positioning and proximity strategy for the clusters is based around a careful stage by stage analysis of proximity, privacy and optimum views. In addition to these factors, the phasing strategy has also been taken into consideration as a major factor that influences the order of development. The 'growth strategy' for the community is based around the development of a self similar cluster configuration that repeat across the masterplan at varying heights.

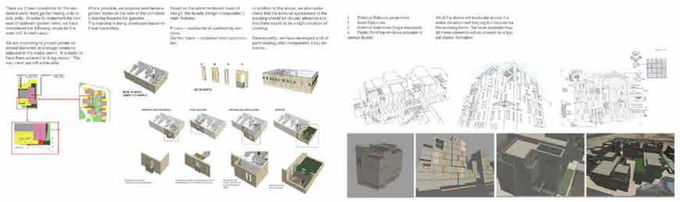
Site Analysis



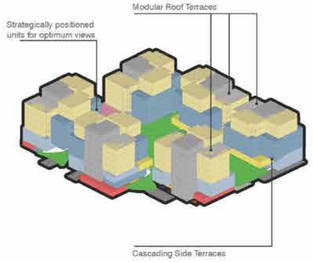
Concept Narrative



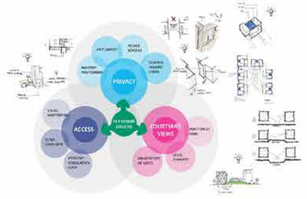
Concept Process

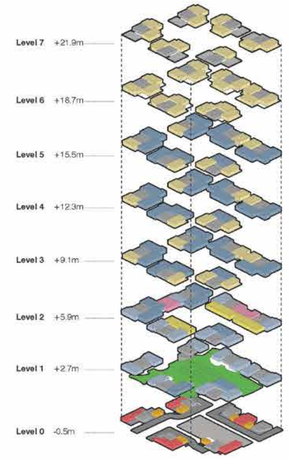




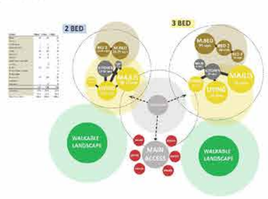


The Brief

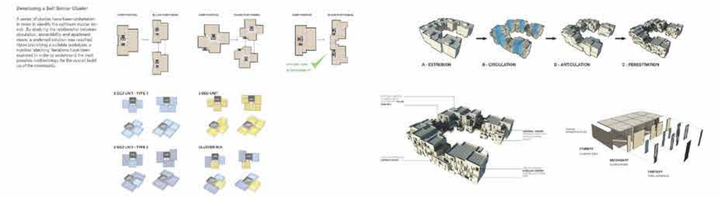




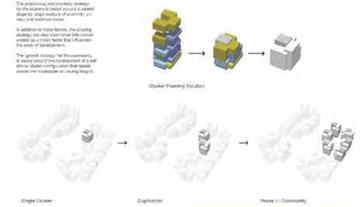
Adjacencies



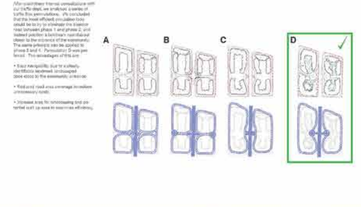
Concept Process



Masterplan Analysis



Circulation Analysis





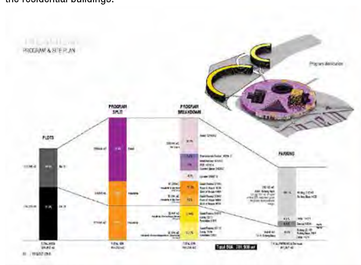
PROFESSIONAL EXPERIENCE

OMA 2013 - 2015

Project Star

2015 Residential proposal

Architect. The proposal suggests a mixture of generic (typical) shopping organization with four different shopping typologies, together forming a single mall made of several components with very distinct identities. A field in which four specific and separate buildings are absorbed within a generic shopping mass. The aim of the submission was to develop a vision and a draft schedule of accommodation for the project and present it in an inspiring manner. I was mainly involved in the creation of the vision by developing and sketching ideas. I also produced a series of visualisation for the final presentation to the client showing two key options for the residential buildings.



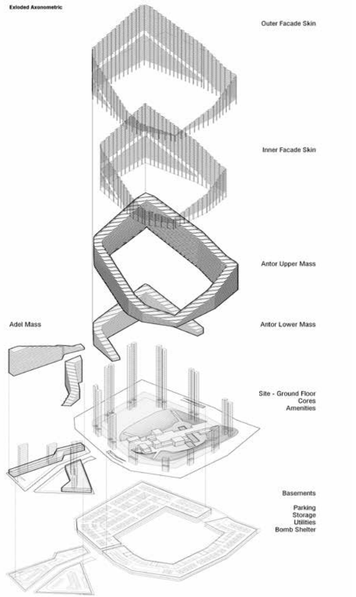




Al kartal

2015 - Competition. Istanbul, Turkey

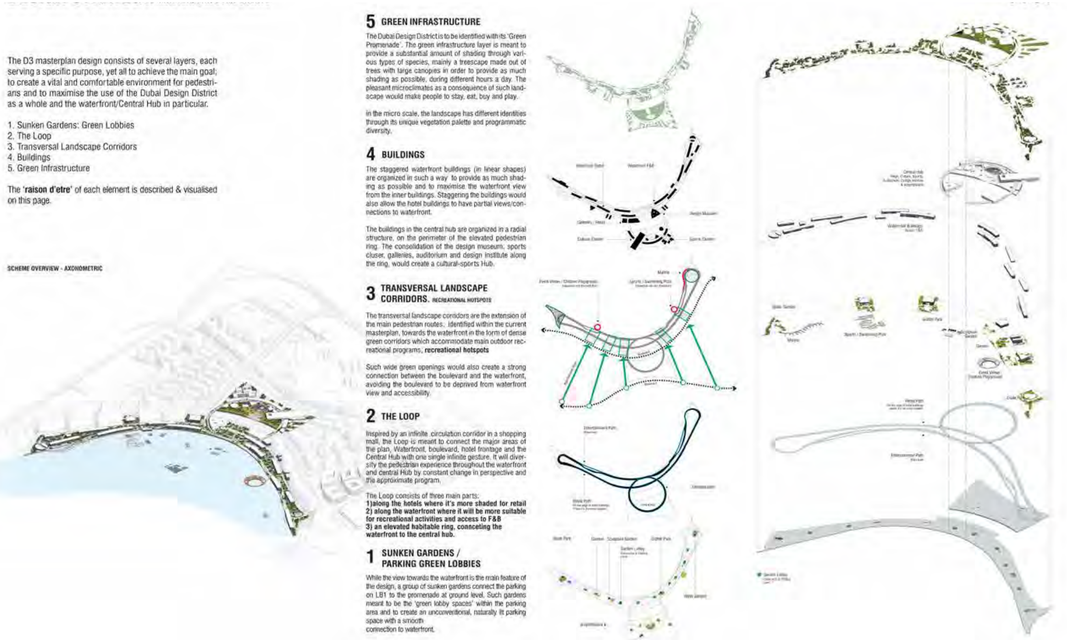
Architect. I was brought on this project to assist the Senior Architect with design and delivery of the final concept proposal. My involvement mainly included the development of the Rhino model in order speed up the production of information such as target and designed areas schedule, plans, sections, elevations, and visualisations. I also assisted with the development of accommodation requirements, key functional relationships, and analysis of the existing buildings as well as the site.



Dubai Design District Waterfront And Central Hub

2014 Concept Stage

Architect and Researcher. I was involved on OMA's vision and concept design for the Waterfront and Central Hub of the Dubai Design District (d3). The d3 itself is envisioned to be the heart of Middle-East's fashion and design scene as well as a unique environment for gathering designers, international companies and design enthusiasts in one place. OMA's design for the waterfront and central hub area, focuses on creating an environmentally comfortable and pedestrian friendly retail/ entertainment 'district' where people stay, buy, eat and play.



QTS

QATAR TOURISM STRATEGY

2014 Researcher at AMO - Qatar

My responsibilities included:
During this project I participated and was involved as an Architect and Researcher in a varied range of tasks and activities such as:

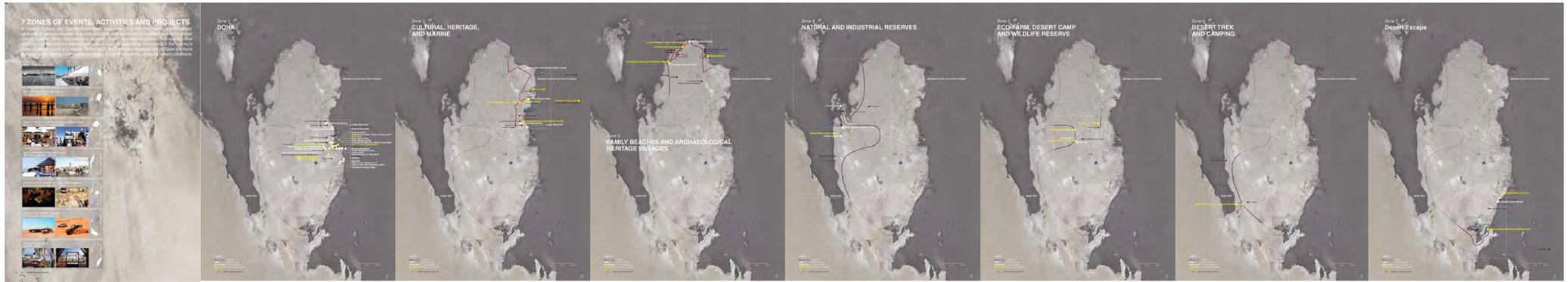
- Brainstorming ideas and discussing them during the design team meetings;
- Research and presentation ideas;
- I was responsible for the research and presentation of the zone analysis to the team;
- Visual presentation of the final masterplan representation using wide range of media (Photoshop, Illustrator and Indesign).

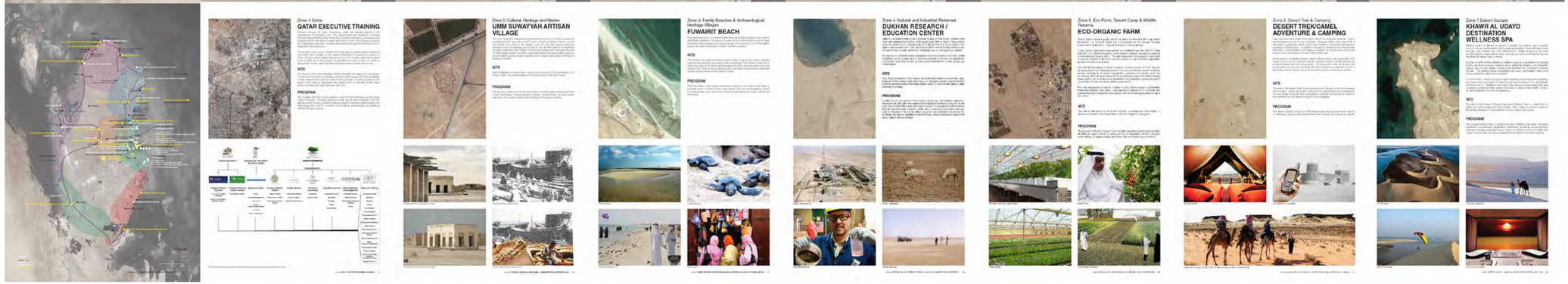
7 Zones of Events, Activities and Projects

In Qatar's Cultural and Tourism Masterplan, the country is divided into seven distinct zones, each with its own composition of events, activities and projects which highlight each of the zones' natural, cultural, ethnic and seasonal diversity. Zone 1 includes the Greater Metropolitan Area of Doha, highlighting the planned projects of many stakeholders in advance of the country's planned infrastructure and events. To the north, the Zones are characterized by Qatar's cultural heritage, to the West by its Industrial heritage, and to the South by its natural desert conditions.

7 ZONES:

- Zone 1 Doha
- Zone 2 Cultural Heritage And Marine
- Zone 3 Family Beaches And Archaeological
- Zone 4 Natural And Industrial Reserves
- Zone 5 Eco-Farm, Desert Camp And Wildlife Reserve
- Zone 6 Desert Trek And Camping
- Zone 7 "Desert Escape"





RTA

JUMEIRA ROAD COMPETITION WIN

2014 Researcher at AMO - Dubai UAE

My responsibilities included:
Responsable for research and conceptualisation for the Jumeirah Road and 2nd December street competition that intended to provide a contextually responsive prescient based master plan focusing on public realm, urban design, and urban planning for the public open space and semi-private open space; and a fully integrated multimodal transport network that accommodates and facilities pedestrian, bicycle, public transport, private transport connectivity.

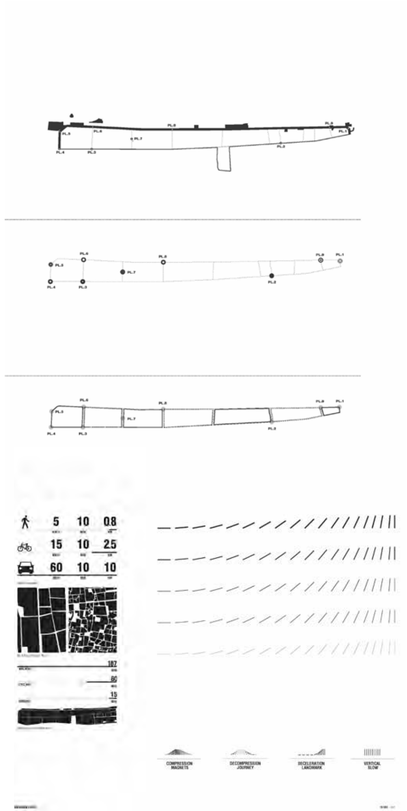
Public Realm Concept: Visualising Time Perception

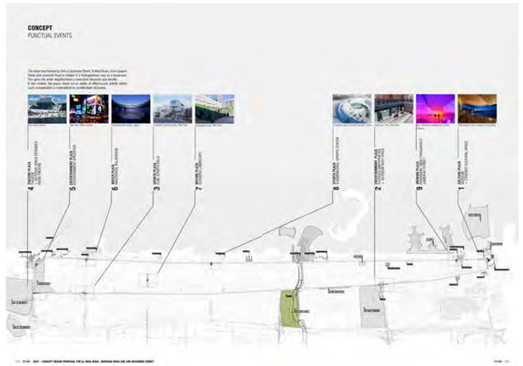
- Surface of Motion: The concept is rooted in how time is perceived through space. Different perceptions of time and relative spatial experiences are manifested through speed. Speed turns the urban space into a surface of motion where people's physical experience is relative to their speed of movement
- Pedestrian Movement: The act of walking represents the experience of slow movement where space is perceived vertically. Pedestrians perceive the urban space as a landmark
- Vehicular Movement: The act of driving represents the experience of fast movement where space is perceived horizontally. People moving in a car or other vehicle perceive the urban space as a landscape

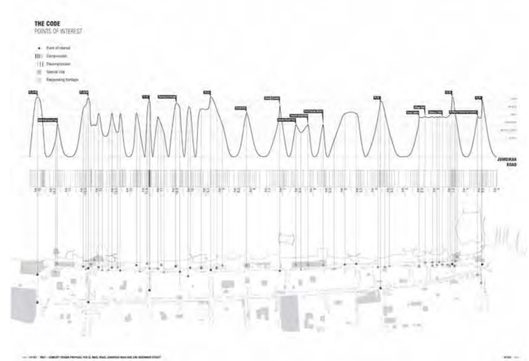
Time, Space And Speed: The interaction between these perceptions of space at different speeds has been developed as a code that is used to visualize time. The code reacts to urban space though acceleration and deceleration, compression and decompression, and it responds to points of attraction such as the plazas created throughout the area.

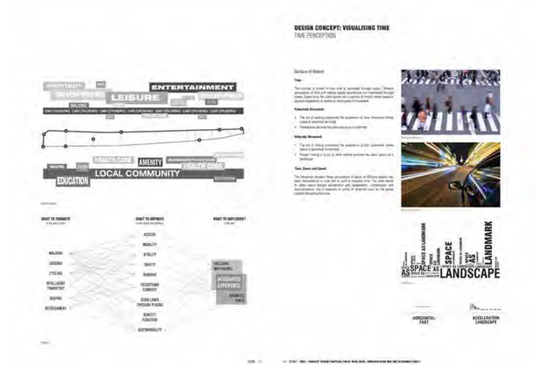
THREE CONCEPTS

- **01 Contrasted linear journey.** Today, the personalities of Jumeirah and Al Wasl are very contrasted. This concept propose to build on that existing condition in order to exacerbate that difference.
- **02 Punctual events.** The entire loop formed by 2nd of December Street, Al Wasl Road, Umm Suqeim Street and Jumeirah Road is treated in a homogeneous way as a boulevard. This gives the entire neighbourhood a consistent character and identity.
- **03 Sequential Journey.** To counter the possible monotony a 15km long journey could lead to, each block that constitutes the neighbourhood is given a different character, program and identity.

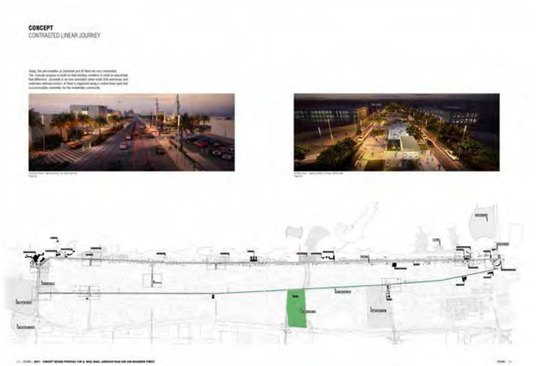














OHA

ORBITAL HIGHWAY AND TRUCK ROUTE

2015 Researcher at AMO - Qatar

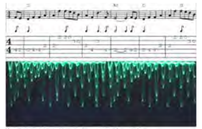
My responsibilities included:
I was involved in the conceptual principles where the Artscape has been thought of as a medium to give a higher quality overall image and cultural expression to the project, providing a meaningful community link. At the same time, I was responsible for the site evaluation along the Highway and immediate context.

Orbital Concept - Rhythm. From a driver's perspective, the experience of driving along the Orbital Highway is about motion. The visual experience is characterised by a series of variations within a larger amount of visual repetition. Light poles, guard rail posts, sign posts and bridges are spaced at frequent intervals, setting up a background rhythm to the journey. These 'sparks' establish a certain pace and have informed the design of the graphic image of the Orbital Highway.

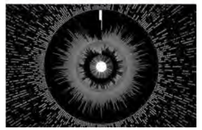
Narrative. The Places of Interest become satellite destinations off the Orbital Highway. A thorough study of the area has led to the designation of a set of places of interest, some interesting for their natural qualities and some interesting for their urban or cultural characteristics. The places of interest are all mapped in relation to the historic centre of Doha. A series of radial lines, extending from the historic centre of Doha have been constructed to each of the destinations. Therefore, a relationship is built between the historic core of settlement in Qatar, the ring road orbiting around it, and the satellite destinations that are highlighted from this road.

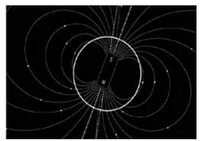
Interesting part of the project was the process of engagement with the client and the user groups. I had the opportunity to participate in a good number of meetings and workshops which was very informative for my understanding of the mechanisms of establishing the design brief and client's requirements. The brief emphasised a context sensitive solution that takes into consideration existing a proposed major adjacent uses and road intersections.

Based on the Phase I survey I developed the place-making strategy for aesthetic sensitivity in the design focused on leaves an impression on those who experience the route in each opportunity of intervention. Prepared briefs were developed into design options, which were constrained by the limitation of the existing context as well as design principles established during Phase I. I had a chance to present a few options to the internal team as well as test few of the concetps to establish potential system and flexibility.



Music Score and Cartography as Examples of Dynamic Rhythms







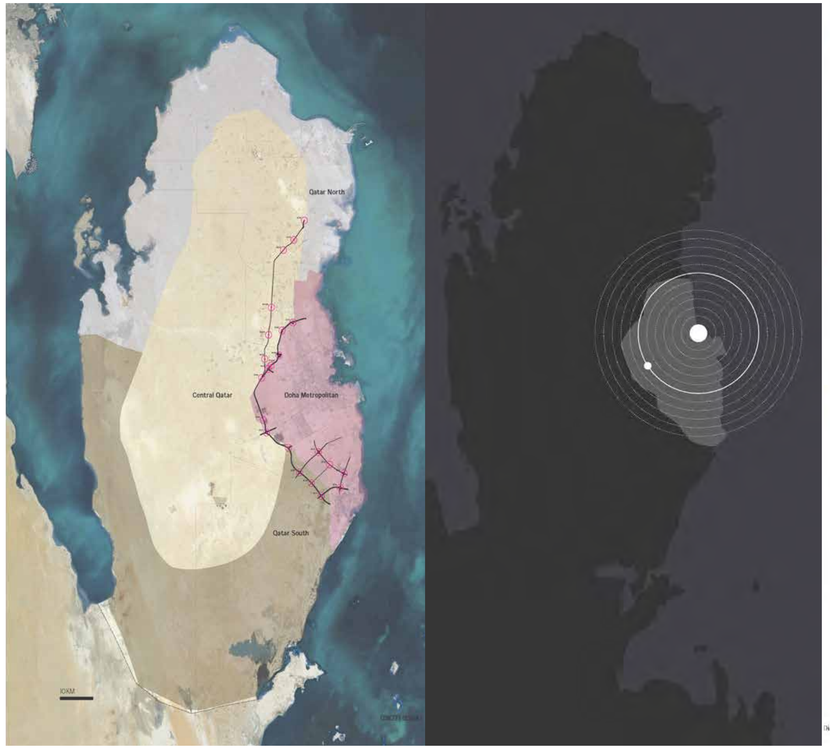
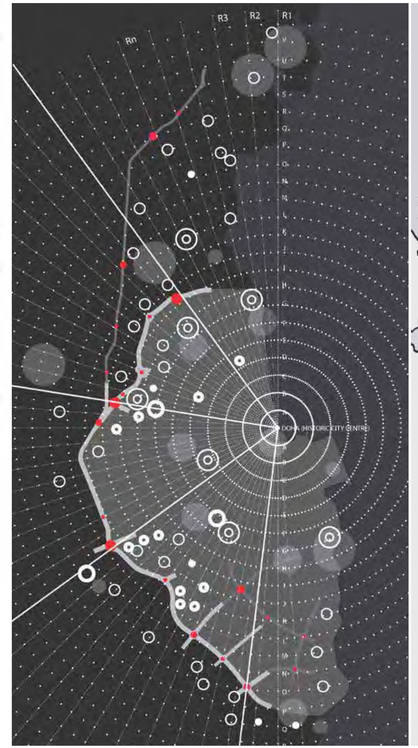
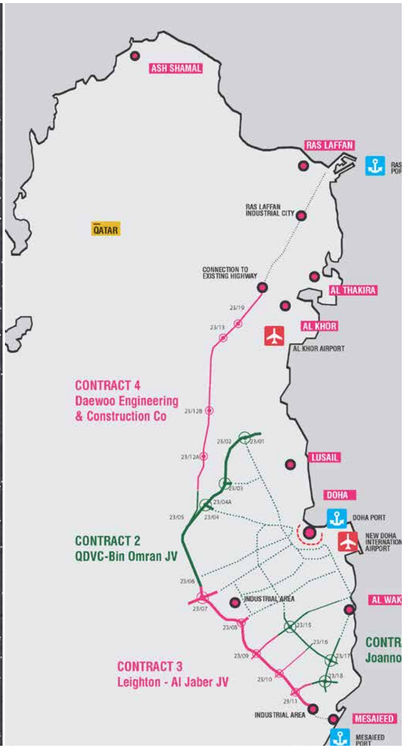




Diagram Including Places of Interest





ADNOC

SERVICES STATION

2015 Architect/Researcher OMA - Abu Dhabi, UAE

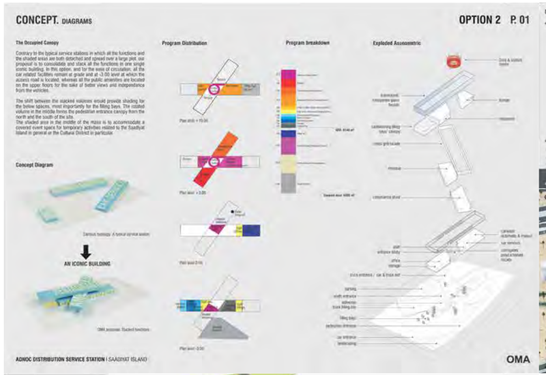
My responsibilities included:
Responsable for the conceptualisation and development of the Saadiyah Island competition -option-2. I proposed and designed *The Occupied Canopy* option. Contrary to the typical service stations in which all the functions and the shaded areas are both detached and spread over a large plot, our proposal was to consolidate and stack all the functions in one single iconic building. In this option, and for the ease of circulation, all the car related facilities remain at grade and at -3.00 level at which the access road is located, whereas all the public amenities are located on the upper floors for the sake of better views and independence from the vehicles.

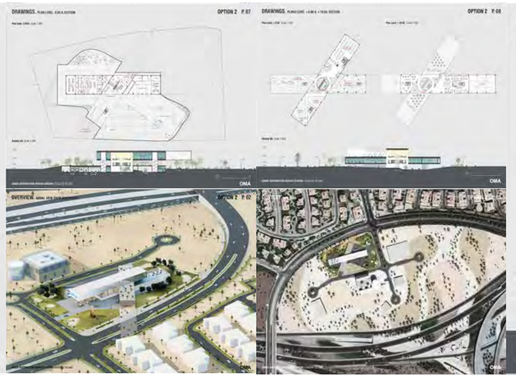
Concept. The shift between the stacked volumes intended to provide shading for the below spaces, most importantly for the filling bays. The rotated volume in the middle forms the pedestrian entrance canopy from the north and the south of the site. The shaded area in the middle of the mass is to accommodate a covered event space for temporary activities related to the Saadiyat Island in general or the Cultural District in particular.

Ground Floor arrangement. The whole GF is dedicated to Cars/Services whereas the stacked & rotated volumes accommodate public amenities. The centre, where all volumes connect, will serve a vertical 'visitor Centre' for the Saadiyat island and the cultural district.

Each shift would provide the required shading for the space underneath serving:
a. The filling bays
b. The north and south pedestrian entrance
c. The covered terrace in the middle area

The Core and the Visitors Centre. The Core is the area where the three volumes intersect. Besides being the centre of distribution, this scheme tends to combine the circulation of the building with a bonus function called the Visitors Centre. The position of the service station building at the entrance of the Cultural District with it's large number of visitors, provides the opportunity to inform the visitors about the activities taking place at the Cultural District, hence to promote the events. The proposal is to turn the connecting corridor into a panoramic interactive screen which makes the visitors to get informed on a daily basis upon the visit. On the other hand such panoramic corridor is a hanging object visible from the main entrance lobby on the ground floor.

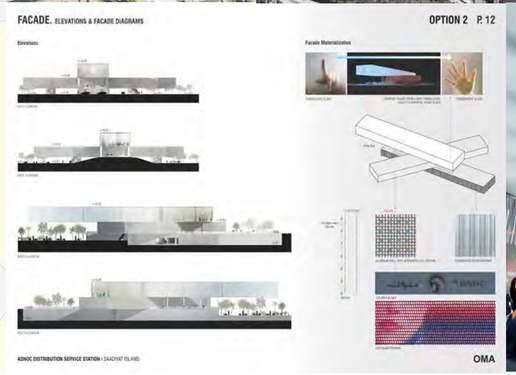




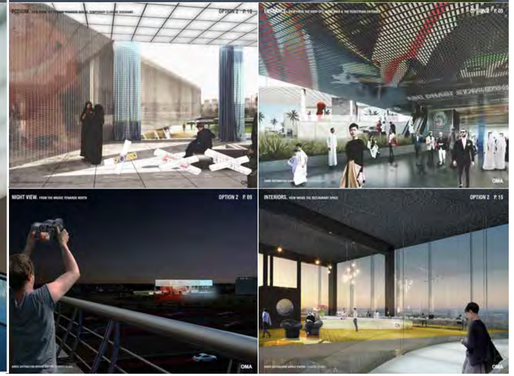












PROFESSIONAL EXPERIENCE

FAULKNERBROWNS 2016 - 2019

Maiden Castle Sport Hall

2016 Riba Stage 3 and DAS

Project Architect responsable for the delivery of the new enlarged facilities of the Maiden Castle Sports Park able to absorb the move of 1,200 students from the Queens Campus, Stockton to Durham City in the short term and to handle the projected increase in student numbers from 17,500 to 21,500 by 2026. Responsable for the Concept Design, including outline proposals for structural design, building services systems, outline specifications and preliminary Cost Information along with relevant Project Strategies in accordance with Design Programme.



St Paul's Development

2019 Research and Proposal

The regeneration of St. Paul's is a proposal that encompasses multiple city blocks and aspires to achieve in excess of 2,500,000sqft of development. To support this large scale development the proposals locate a series of uses and functions at a first-floor intermediary level. The proposals are structured and founded upon the recreation of streets to ensure the reintegration of the St. Paul's institutional site with the city. Creating a network of routes based on the city heritage grid has the potential to deliver this. Development blocks united with a central vertical shared space, this could contain circulation, gardens, exercise space, water and light. Emphasis is also put on creating a healthy living environment for animals, plants and humans. For example, the circulation cores of the housing units are much larger than average, benefit from direct light and host vegetation. As a consequence, staircases become a pleasant place for encounter and people are encouraged to take the stairs instead of the elevator. Ultimately, this contributes significantly to both the physical and psychological well-being of the community.



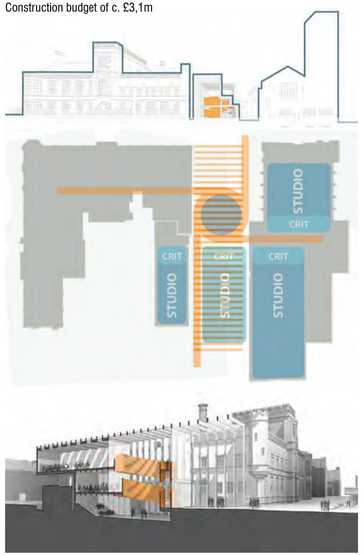
Northumbria Architectural School

2016 - Invitation to Tender (Shortlisted)

Acting as a Project Architect, I developed the key opportunities and challenges from a design and delivery perspective.
Design: giving the Faculty a new physical presence within the University, preserving the character of the listed buildings and creating didactic architecture.
Delivery: meeting the budget, achieving the programme, delivering appropriate quality and managing risk.

- New build 700m²;
- 'Major' refurbishment 1,100m²
- 'Light touch' refurbishment 1,667m².

Construction budget of c. £3,1m



Bristol Callowhill Court

2016 Riba Stage 2 and DAS

Responsable for the indivative proposal and Design and Access Statement which explores how the zonal masterplan could evolve into a more detailed design proposal. The diagrams below aimed only to indicate the potential scale and character of spaces.
The Design and Access Statement has been prepared as part of the Outline Planning Application (OPA) for mixed use development at Callowhill Court, in Bristol City Centre. Our proposals aimed to develop this part of Bristol, building on the site's historic assets and delivering a new format of development that will secure the sustainable urban and economic future of this part of the city. The proposed development included new retail space, shops, residential, hotel and leisure space alongside upgrades to existing transport provision and routing.

A New Focus
The primary objective of the masterplan proposes a new focus space at the heart of Callowhill Court. The location of this space is not fixed and the geometry of the routes leading to this space are also flexible.

Shifting the Axis
When considering the geometries of the required axis and the relationship to the focus space there are a number of tensions that pull geometries in each direction. By considering the primary relationships between the focus space and Debenhams, Concorde Street and Quakers Friars an equal geometry emerges that allows the axis to be spaced evenly in the round.

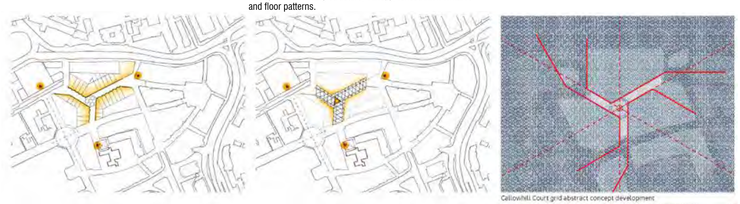
Creating the Connections
These geometries do not deliver perfect relationships to each of the required targets. By slipping the geometries 'off centre' into a catherine wheel arrangement a more comfortable arrangement is created. In addition, an interesting spatial arrangement begins to emerge at the focus space. This arrangement has the potential to create a high level of three dimensional interest at the development's heart.



An Appropriate Structural Grid
Once the geometry is defined it is possible to overlay an appropriate structural grid, to bring a suitable scale and grain to the streets and control to the configuration of shopping space.

Delivering a Textured Arcade
The governing geometries can then be overlaid and brought together within a layered geometrical grid onto which a structured enclosure could be made to provide an arcade-type space. The development proposal would be delivered with a geometry with the potential to unite the primary axis with the finer grain of building structure, canopy, fenestration textures and floor patterns.

Geometric Evolution
The defined masterplan parameters enable a number of different approaches to be adopted, around which the delivery of a structured, considered and well-composed development could be delivered.



Callowhill Court grid abstract concept development

PROFESSIONAL EXPERIENCE

FAULKNERBROWNS 2016 - 2019

St James's Gate

2018 RIBA STAGE 2 - Competition

Vision and Narrative. Sometimes we try to change our origins. However, it is impossible to forget where we come from, our unconscious gives us away and reveals the affinities related to our past. The proposal shows these coincidences, shows the relationships with the history of the place and how it will influence our everyday life. Perhaps because we ourselves are the result of the interrelation of patterns, sequences and rhythms; our activities are, to a small extent, inquiries about the use, practical and conceptual, of a basic inventory of mathematical-geometrical models (Weaves)



Masterplan for the National Sports Campus in Abbotstown

2019 Invitation to Tender

Acting as a Project Architect developing the Sport Ireland National Sports Campus Masterplan strategy, which integrates state-of-the-art sports facilities to elite athletes as well as offering valuable amenities and sport programmes to all of the community.



Northumberland Road

2017 Riba Stage 2

Feasibility Study and Business Case preparation, in collaboration with Cushman+ Wakefield (commercial property and real estate consultants) for Newcastle City Council (NCC) and NE1 (Newcastle BID Company). Transformation programme for Northumberland Street and its tributary streets focusing on public realm, management and maximising the visitor experience. The feasibility study to be undertaken in 6 stages:

- Stage 1 - Background Analysis and the production of Stage 1 Report;
- Stage 2 - Production of Workbook that focuses on the high level vision;
- Stages 3,4,5 - Development of the masterplan;
- Stage 6 - the preparation of the business case.

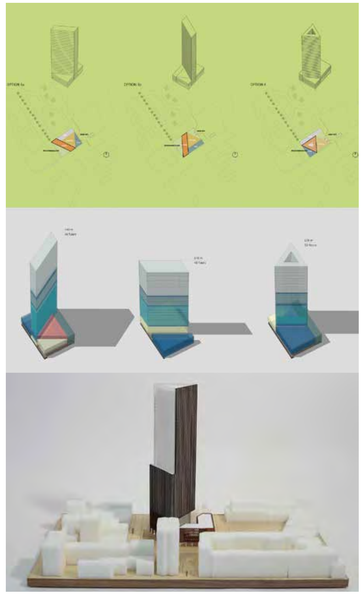
Appointed as the Design Advisor to focus on producing Stage 2, Stage 3,4,5 Workbooks and all accompanying drawings, diagrams, visuals. The NCC and NE1 are seeking phased investment totalling approximately £30million. I took on the running of the Northumberland Street Area masterplan. This involved coordinating and chairing meetings with the client and other stakeholders, producing drawings, commissioning visuals and writing reports. During this time I gained experience and confidence, developing an excellent relationship with the Client (Newcastle City Council) and NE1. Since submitting to Cabinet for funding approval, interventions suggested in the report have been introduced in the city centre as part of the Great Exhibition of the North 2018, with others in the pipeline.



Euston Road Hotel - London, UK

2016 Concept Stage

This is a speculative study which is being developed on behalf of the Union Properties and aimed to identify an opportunity for a 'Pullman Hotel' and student accommodation. I have developed a series of diagrams, illustrating different typologies on the three deferent schemes identifying the most suitable ones for the study. Also was involved in the assessment of the cost information produced by the cost consultant.



ST JAMES'S GATE

COMPETITION

2018 Architect/Researcher Faulknerbrowns - Dublin, IRL

My responsibilities included:
I took on the running of the Masterplan Vision and Public Realm proposal, considered the "heart and soul" of the masterplan, and is the connective tissue -spatially and materially, through which the woven journeys create a sense of place. Historically, the unified purpose of St James's gate was signposted, cohered and conjoined by bridges, tracks and tunnels carrying power, water, labour, and materials. The detailed Masterplan public realm design conceives that these same elements and new ones will deliver an equivalent unity in the circulation and interchange of people, ideas, and experiences. The ground plane of the masterplan establishes the vision for the site. Our ambition was to overlap the routes of the various "actors" of the St. James's Gate community as they each move through these spaces.

New and Retained Built Form. In developing the spatial structure of the masterplan, and the building massing, form and materiality I proposed to achieve a richness and distinctiveness that is completely site-specific.
The proposal amis to deliver a progressive and forward-looking place that respects the history and narrative of the site and the Guinness brand. In order to do this, the following design strategies were used:

- **Spatial Structure And Grain** The spatial structure is defined by weaving together new and old forms to create spaces that are scaled to both suit their function and the scale of the buildings that surround them. Reuse of the relatively modest remains of Vat House 8 and GEC store on Rainsford Street are key to establishing important routes that are immediately interwoven spatially and in terms of fabric and built form
- **Integrating Old And New** Where buildings are formed by a significant interweaving of historic and new elements we have used simple rules to ensure a consistent approach, for example new elements can directly touch a historic flank wall and new openings can be formed therein, but new elements must be significantly set back from historic gables and classical/ symmetrical historic window composition must remain unaltered.
- **Focus On Proportion Not Style** Using a common set of "rules" on elevational proportion means that a coherent whole can result from a rich diversity of architectural approaches. This also means that new buildings can be sympathetic to the historic structures without uses directly copying historic details and motifs.









VAUX 2

SUNDERLAND CITY COUNCIL

2018 Architect - Faulknerbrowns - Sunderland, UK

My responsibilities included:
Acting as an Architect, I developed the design of the facade, which utilised unitised curtin walling facade system, and met the aesthetic standards imposed by the city council. Four options in total were developed. Options varied in colour pallet and panel sizes. As a part of the project, I also assisted an engineer in assembling the information package for cost assessment of the works. I was also responsible for the development of the visualisations for the client.

Public Sector Hub. The brief is to deliver approx 152,000sqft net internal floor area of Public Sector Hub and Public Sector Workplace area plus ancillary ground floor accommodation across two identified plots within the masterplan (13 & 14).

Facade Composition.

- THE BASE The building is grounded on a well defined r bust base with an emphasis on engaging the street with an a propriate civic expression.
- COLONNADE With the glazing being set back from the pre cast concrete columns, a different detail is apparent. Aluminium panels will be fixed to the underside of the colonnade soffit to conceal the floorplate above.
- THE MIDDLE ORDER A lighter cladding material such as PPC aluminium is considered more appropriate to the repetitive middle section of the elevation. This material has been proposed alongside glass modules as the fenestration to the main office areas; the density of the solid aluminium responding to the buildings orientation to control solar heat gains and offer shading
- UNITISED FACADE The envelope curtain walling arrang ment has been developed based on a combination of stick and unitised systems in an attempt to meet both project programme and design stage cost plan rates.
- UNITISED CURTAIN WALLING For unitised curtain walling, the complete assembly of the units in the factory brings a number of benefits.
- STICK CURTAIN WALLING Stick curtain walling systems are versatile and allow for the integration of other systems, such as sliding doors and revolving doors. They can achieve large single spans, providing they are adequately braced, which lends them to the atrium screens and ground floor spans.

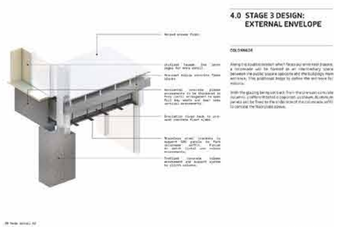






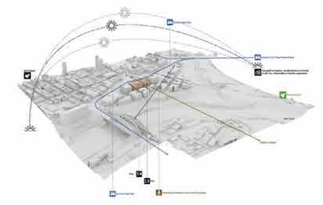




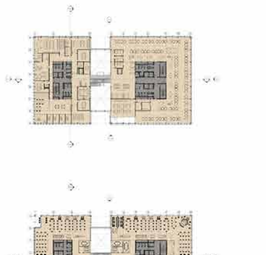


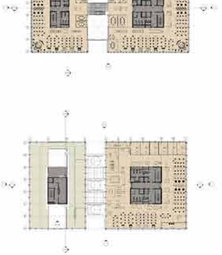
































ST PAUL'S

RESEARCH PROPOSAL AND PROJECT

2019 Associate Architect/Researcher - Vancouver, CA

My responsibilities included:
Responsable for the vision, research and strategies. The proposal suggests that allowing the community to be the one that determines the project does not dissolve the uncomfortable hierarchy that leads to the architect's work being considered an imposition. On the contrary, such a position starts from the premise that there is a separation between society and architecture. Therefore, participating, giving an architectural opinion, recognizing one another as a citizen (with all that this implies), is accepting that such a separation does not exist or at least is not discreet. We proposed a brief that intends to resolve the two great ideas in architecture: it considers the political economy (Local Economies-Market and Facilities) and aesthetics (Experiencing Central Cores-Green Spaces).

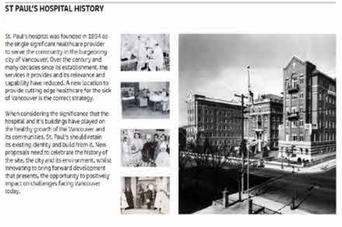
BRIEF/OBJECTIVES

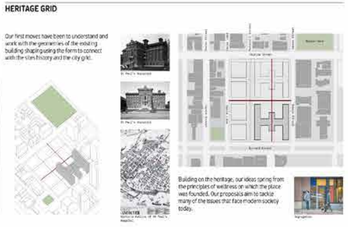
- 1. the proposal identifies three Overarching Principles: well-being and sustainability, a hybrid configuration of the programme and the promotion of local economies.
- 2. based on an organic/flexible architectural configuration the proposal intends to respond to the different scales present on the city
- 3. 8 key locations have been selected following the historical traces of St Paul's Hospital and the actual West End necessities and aspirations.

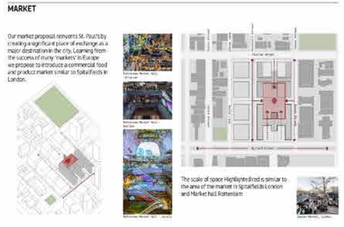
VISION

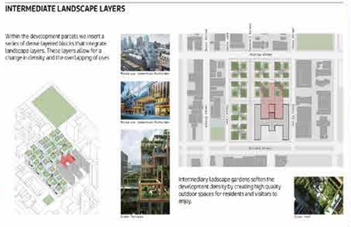
- Develop a new vision for St Paul's Hospital Development, Burrard Street and public realm to create an "iconic destination".
- Develop a contextually responsive prescient based master plan focusing on the public realm, urban design, and urban planning for the public open space and semi-private open space.
- Develop a pedestrianised and continuous urban space from the Burrard Street area that considers all the scales of the city.
- Provide a fully integrated multi-network that accommodates and facilities pedestrian public and private connectivity.
- Develop a suite of public realm spaces that contribute to local character, economy and interaction that transforms the area to an iconic destination.

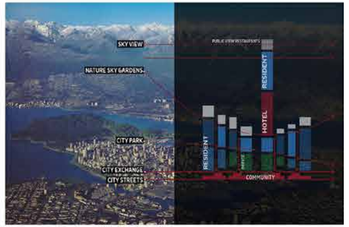




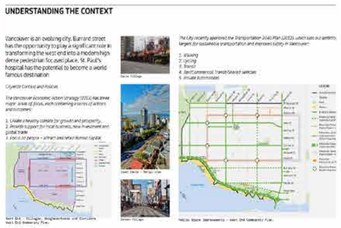


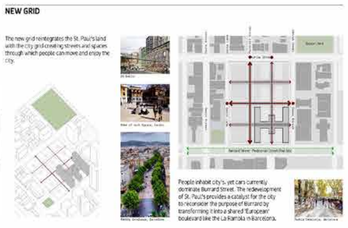




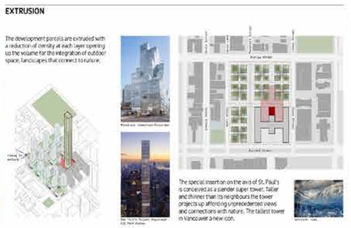






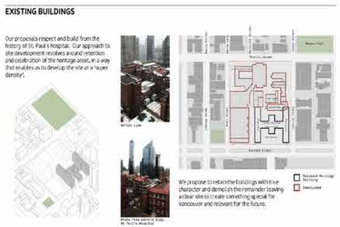






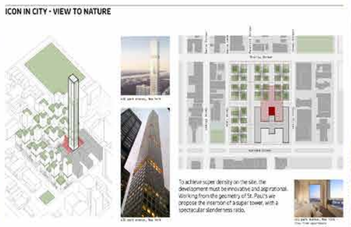














PROFESSIONAL EXPERIENCE

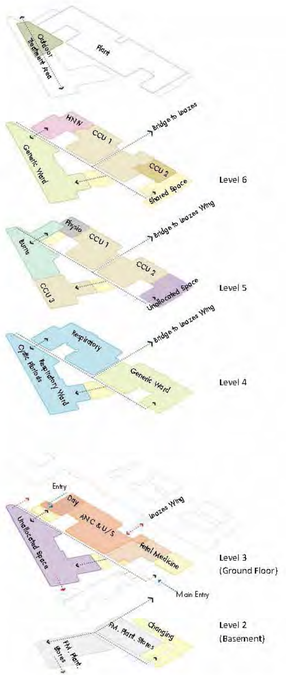
MEDICAL ARCHITECTURE 02-2020

New Specialist Hospital Building, RVI - Newcastle, UK

2020 - RIBA Stage 1

Responsable for the vision, research and strategies that captures the Briefing Process which has occured within RIBA Stage 1 of the project - developing the detail of the brief and making sure that everything needed for the design process was in place before Stage 2, when the concept design work starts. I have run the Site Analysis research, Sustainability Principles (Strategies and Targets) and the final Design Appraisal based on the functional relationships, the new capacity and the need of freed up spaces.

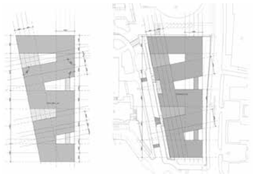




Paediatric Cardiothoracic New Build, RVI - Newcastle, UK.

2020 - Strategic Outline Case (SOC) Stage

The development plan allows the building to wrap around courtyards and lightwells, maximising daylight and natural ventilation. It can also provide deep plan spaces if required. The blocks allow a relatively straightforward expansion plan. We have initially suggested block planning the building using a 8.4m structural grid. This is a flexible grid for healthcare planning, it allows planning space in a variety of different ways. For example rooms such as examination, bedrooms, theatres can all be planned using this grid.
3 possible options that have been reviewed for the new Paediatric Cardiothoracic Centre on the RVI site:
Option 2 - Relocate Cardio Paediatric Services to RVI with minimal use of the site
Option 3 - Relocate Cardio Paediatric Services to RVI with Rheumatology
Option 4 - Relocate Paediatric Cardiothoracic Services to the RVI site, utilising existing space within the RVI and a smaller new building.



RVI Site in City Context
Located just a few hundred metres from the city centre, it is about 3km from the Freeman Hospital.



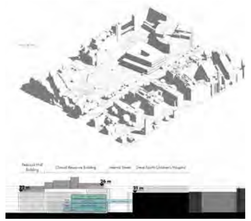
Routes and Roads
The site takes up a portion of the car park at the front of the RVI adjacent to Queen Victoria Road. The site extends across. The site is owned by the Trust.



Proposed Site
The analysis and development proposals has considered not only the development site, but the site history and the way in which it connects and integrates into the surrounding city context.



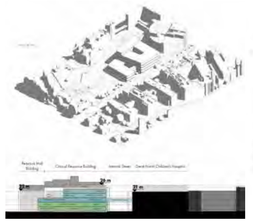
Paediatric Cardiothoracic - Stacked Option
This option, makes better use of the site but may prove a clinical constraint as the PICU and Intervention Suite are on different floors. Total GIFA: 6,726m2



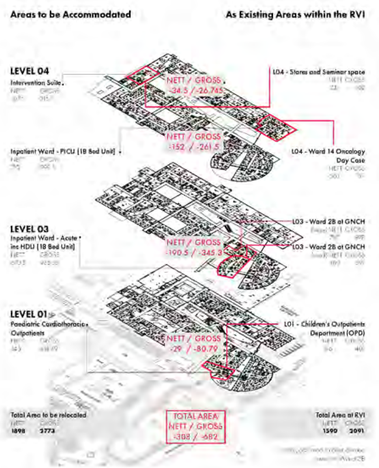
Paediatric Cardiothoracic - PICU / Intervention Suite Adjoined
This option, whilst achieving the adjacency of PICU and Intervention Suite on the same floor, uses the site quite inefficiently. It spreads across the site horizontally rather than vertically. Total GIFA: 6,623m2



Cardio Paediatrics Rheumatology
This proposal makes efficient use of the site. It is compact and the adjacencies of space all appear to fulfill the brief. Total GIFA: 12,721 m2



Relocate Paediatric Cardiothoracic Services to the RVI site, utilising existing space within the RVI and a smaller new building Proposed Site
The report explores the options available in a 'Do Minimum' option, to relocate Paediatric Cardiothoracic Services to within existing areas of the RVI, enabling a smaller new build requirement.



PROFESSIONAL EXPERIENCE

HASSELL 2023

SOHAR SMART CITY Schematic Design (RIBA STAGE 2)

Main responsibilities/achievements involved:

- Responsible for specific project programming, including co-ordinating the work of other members of the design and project team.
- Developing and clarifying the project brief and coordinating the sustainability initiatives.



Four Options

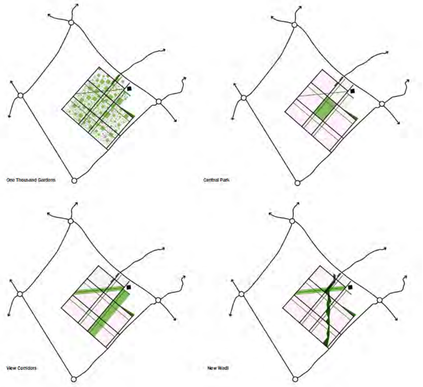
Four Masterplan Options are put forward that contain a common set of 'Inherent Truth's but propose very different key District Level open space interventions around which the rest of the masterplan is gathered.

The options are :

- One Thousand Gardens
- Central Park
- View Corridors
- New Wadi

In addition to this the 'One Thousand Gardens' concept is also inherent to the urban structure of the other three.

The way each masterplan works in terms of mobility and land use distribution are similar but the key District level open space proposal is the distinguishing factor.

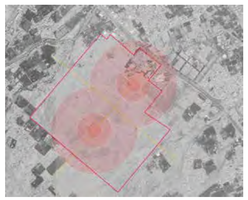


Sustainability Initiatives

Working collaboratively, I am responsabile for the project-specific guidelines that align with the Smart City Sustainability Initiatives. These guidelines will outline the targets and requirements for each sustainability aspect, providing a framework for our teams to work within. For instance, we will establish specific carbon reduction targets, waste management protocols, biodiversity preservation measures, circular economy principles and social inclusion guidelines.

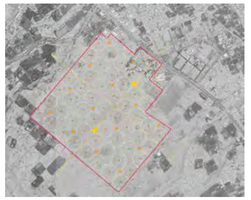
One City - Many Neighbourhoods

Making a City Centre: Considering the size and an expected population of circa 80.000 people, the planning guidance would require two 'District Centres'.
As highlighted by the ONSS, the two centres would service a population of circa 40.000 each



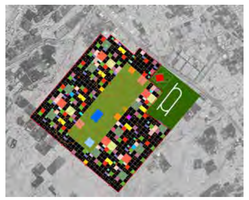
District Centres

Districts: Ultimately, two main District Centres cover the whole site providing district level services and functions serving a population of circa 40.000 each within a catchment of 2km.

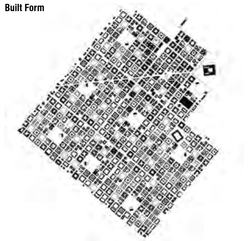


Community and Communal Facilities Distribution

Communal and Community facilities would be distributed with a surrounding a network of open spaces in the form of community, local, neighbourhood and possibly district parks.



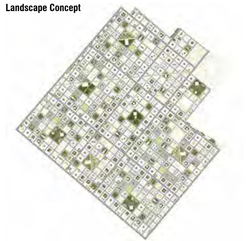
Built Form



Land Use _ Ground Floors



Landscape Concept



Operational Carbon

- Building oreientation optimisation
- Building fabric thermal performance both passive and technology driven.
- Wider solar protection initiatives for built fabric and public realm
- Five Minute city initiative to reduce car usage.
- Public transport and micro mobility sollutions to reduce car usage
- Cycling and pedestrian movement strategy (linked to 5 minute city)
- Masterplan servicing initiatives to reduce service vehicle traffic within masterplan
- Responsive energy management systems
- Energy Generation - solar
- Efficiency of MEP systems
- Future urban mobility sollutions transitioning away from the private vehicle. 20 year and 50 year view.
- Efficient re-use of on site earth works and excavation material
- District coolong systems.
- Efficient utilisation of new emerging transport mobility - new rail and freight routes.

Embodied Carbon

- Low carbon sollutions to building fabric and struicture that are locall relevant including understanding of locally applicable supply chains.
- Recyclable and re-usable building components
- Built fabric flexibility improving building longevity over time.
- Possibility of developing local low carbon building technologies and construction systems
- Local food production and delivery
- Efficient logistics initiatives

Waste and Recycling

- On site or off site waste management systems
- Efficient waste collection systems
- Systems to encourage recycling
- Waste to energy potential
- System for recycling and reuse of building material and contruction waste.
- Water management and recycling for drinking, irrigation and sewage
- Food waste initiatives

Economy

- Circular economy initiatives
- Potential economy around new locally developed construction technologies and supply chains that can service Sohar and other MoHUP urban expansion projects.
- Efficient land use and development with flexible phasing and delivery.
- Flexibility and adaptablity of land use profile and infrastructure to make masterplan more economically responsive.
- Understanding Sohar's unique selling points both regionally within Oman but especially in relation to Abu Dhabi and UAE.

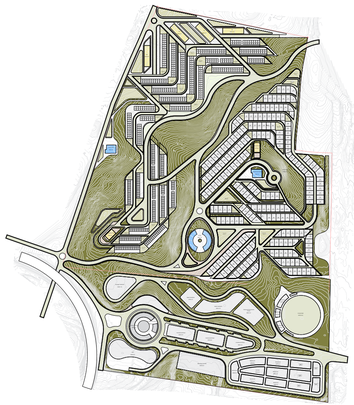
PROFESSIONAL EXPERIENCE

GREEN HOUSE 2024-PRESENT

Eco-Village Masterplan – Jamaica
Senior Lead Architect, GreenHouse | 2024–2025

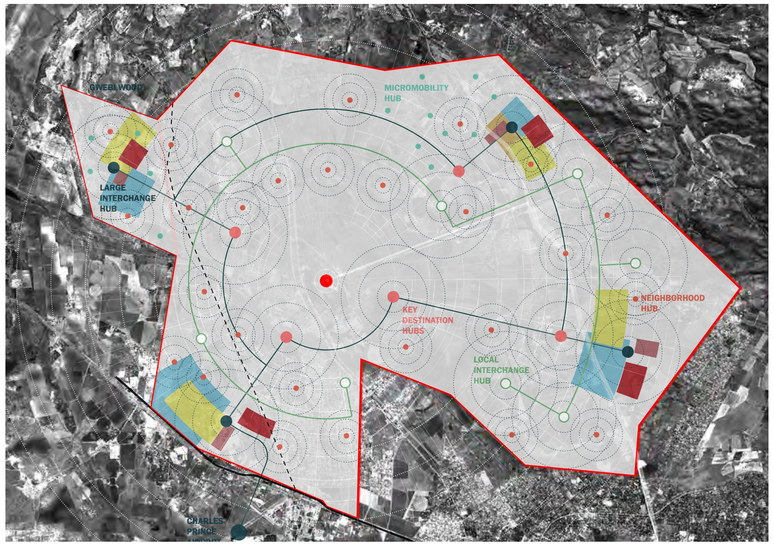
Led the regenerative masterplan for a 783-unit eco-village commissioned by Jamaica Bauxite and Mining. The project transforms a post-extractive landscape into a climate-resilient, community-centered settlement rooted in regenerative design principles. I coordinated an Integrated Design Process (IDP), guiding multidisciplinary teams through visioning, feasibility studies, and spatial strategies focused on water cycles, circular economies, and micro-mobility.

The programme includes diverse housing typologies, 31,000+ sqm of commercial space (BPO hub, shops, warehouses), civic and educational facilities (school, social club, sports courts), and regenerative infrastructure (bio-retention, permeable pavements, treatment plants). The design emphasizes a “carved city” logic—placing ecological flows and communal green spaces at the heart of the urban form.



Gwebi Wood Eco-City Masterplan – Zimbabwe
Senior Lead Architect, GreenHouse | 2024–2025

Led the masterplan for Gwebi Wood, a new transport-oriented urban hub near Harare. Anchored by a multimodal transport node, the project integrates housing, commercial zones, and green infrastructure to catalyze inclusive, phased growth. Designed for regional connectivity, economic development, and long-term sustainability within Zimbabwe’s New Eco-City framework.



Green Castle Eco-Residential Estate – Jamaica
Senior Lead Architect, GreenHouse | 2024–Present

Led the masterplan for a 200-acre low-density eco-residential estate on Jamaica’s north coast, designed to preserve 75% of the site’s green cover while introducing a solar-powered boutique hotel, rainwater harvesting systems, smart waste infrastructure, and wellness-focused amenities.

Our approach is centered on the seamless integration of energy generation, where social, economic, built, and ecological systems converge to shape sustainable design and development. Each system plays a vital role in creating a regenerative, resilient place-based model.

With strategic access to the Kingston–Ocho Rios highway and proximity to Jamaica’s third international airport, the estate positions itself as a high-value destination for eco-tourism, second-home ownership, and nature-based wellbeing. My leadership focused on spatial strategy, sustainable infrastructure planning, and aligning market potential with long-term ecological and social value.





Agri-Solar Innovation District – Gabon
Senior Lead Architect, GreenHouse | 2024–Present

Led the masterplan for a regenerative district in Gabon anchored by a transport hub that catalyzes investment in agriculture and renewable energy. Phase One focuses on agri-solar infrastructure and logistics to drive economic growth and food-energy resilience. Phase Two introduces mixed-income housing, services, and commercial zones within a walkable, climate-adaptive framework integrating ecological systems, social equity, and long-term value creation.



PROFESSIONAL EXPERIENCE

ATELIER TERRE - PRESENT

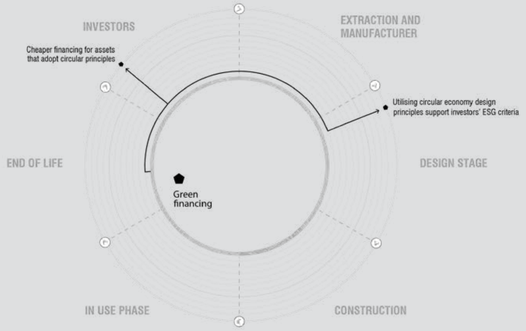
Co-Founder – Atelier Terre
Marrakesh, Morocco | 2020 – Present

Co-founded Atelier Terre, a regenerative design initiative focused on revitalizing traditional Moroccan construction techniques like pisé, tadelakt, and timber joinery. We collaborate with local artisans and material producers to promote circular, low-impact building methods that enhance thermal performance and preserve cultural identity.

Our work integrates ecological design with social enterprise, developing modular housing prototypes and community structures that serve as training grounds for apprentices. Using adapted circular economy principles, we support local production loops that reduce waste and embodied carbon.

Atelier Terre fosters sustainable livelihoods by connecting artisan cooperatives with broader networks, creating market opportunities grounded in regeneration rather than extraction. The project establishes a scalable model for rural regeneration that merges craft, culture, and climate resilience in the Marrakesh region.











Stone Pavilion Retreat
Marrakesh, Morocco | Under Construction

A contemplative retreat composed of stone-clad pavilions inspired by local lajas masonry and the typologies of ancient cultural towers. Designed in close collaboration with local artisans, the project blends traditional techniques with refined spatial design to create a restorative, grounded atmosphere.

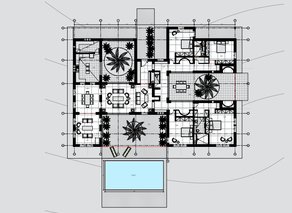
The design emphasizes material warmth, tactile richness, and meditative presence. Currently under construction, the project has deepened my practice in merging aesthetic presence, cultural authenticity, and mindful hospitality.

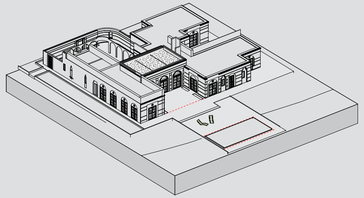




Maison Privée – Haut Atlas
Near Marrakesh, Morocco

A bespoke residence nestled in the foothills of the Atlas Mountains, designed to harmonize with the region's dramatic landscape and vernacular architecture. The project integrates local stone, earth-based materials, and passive design principles to ensure climatic comfort and a strong sense of place.



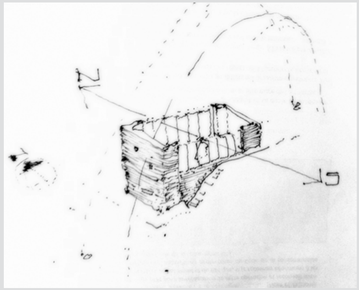




Projet Maison Ali Chraibi – Confort Thermique
Marrakesh, Morocco

A passive house designed for thermal comfort using 40 cm-thick adobe walls with high thermal inertia, delaying heat transfer for up to 12 hours. The design balances orientation and openings—large to the north and south, moderate to the east, and minimal to the west—to optimize light and ventilation while limiting heat gain.

Locally sourced materials include adobe and stabilized earth bricks, reed shading panels, wooden terrace slats, tadelakt or polished cement finishes, and stabilized gravel. The project combines traditional techniques with passive strategies to ensure year-round comfort without mechanical systems.



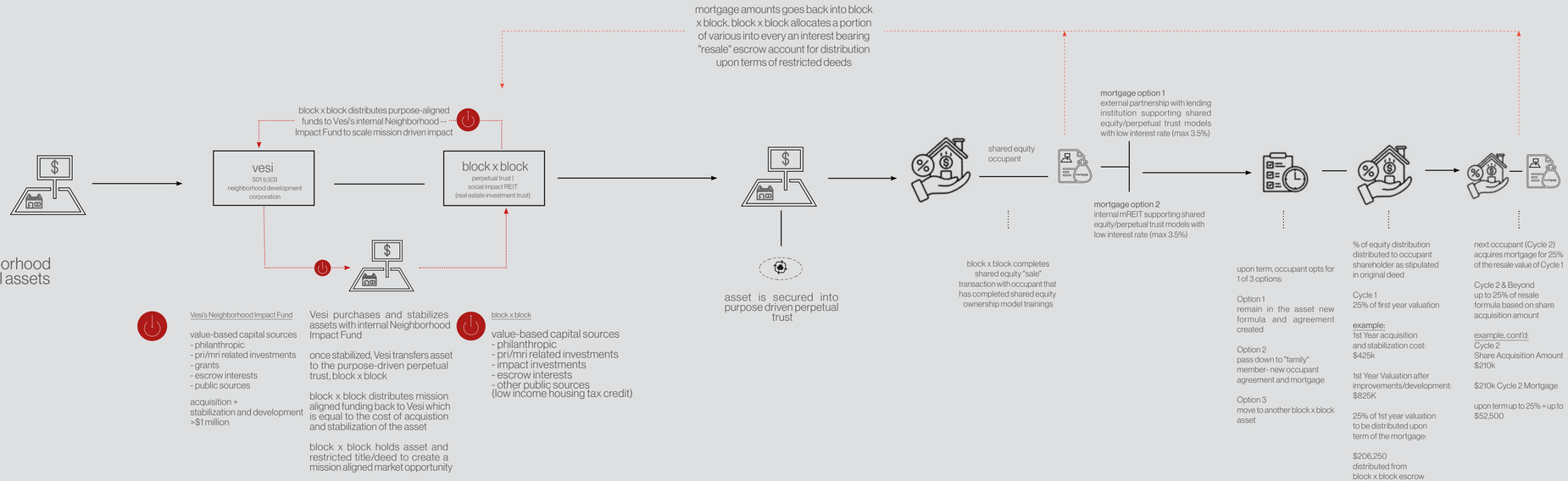


PROFESSIONAL EXPERIENCE

PUBLIUS - PRESENT

model flow

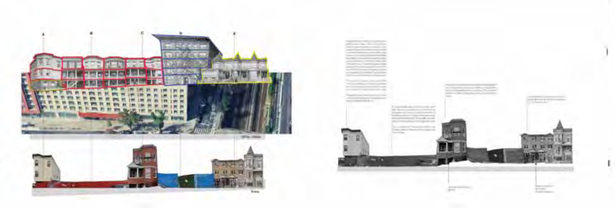
market-driven approach to preservation and neighborhood development- activating residential and commercial assets as tools to pursue life, liberty, and happiness...



PROFESSIONAL EXPERIENCE

PUBLIUS - VESI

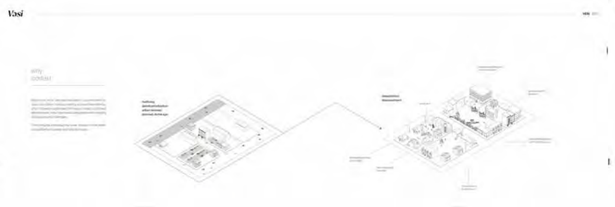


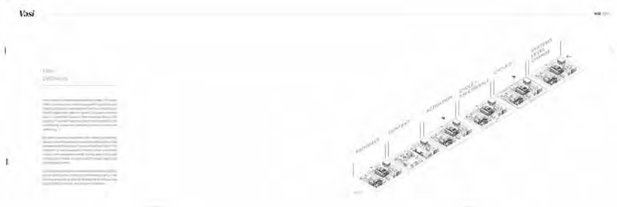


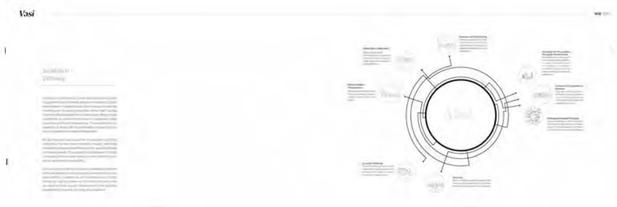






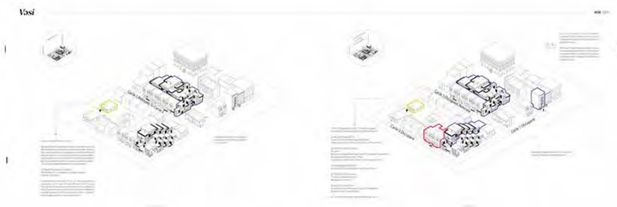














PROFESSIONAL EXPERIENCE

PUBLIUS - 75 NORTH OMAHA FREEWAY





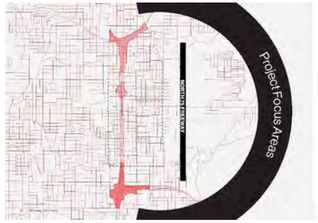












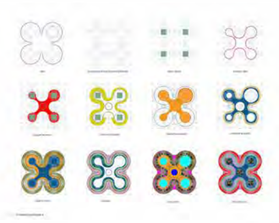






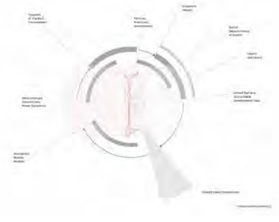


















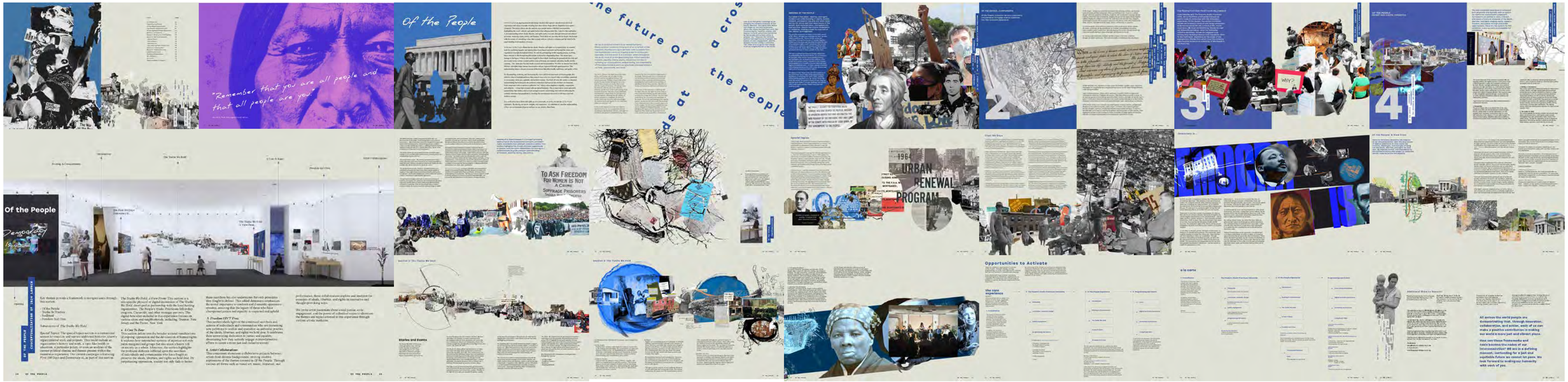






PROFESSIONAL EXPERIENCE

PUBLIUS - OF THE PEOPLE - ONGOING RESEARCH AND DESIGN INITIATIVE



CARLOS ARLEO

POFESSIONAL EXPERIENCE

CARLOS ARLEO

URBAN RESEARCH