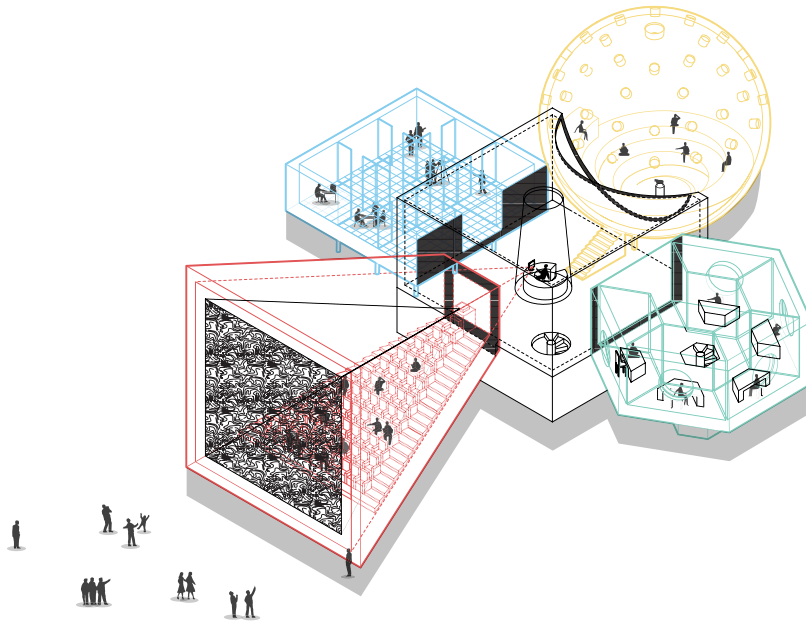


# PORTFOLIO

Wareerinsiri, Natdanai, Tyler

Architectural Work Collection  
June 2021



Selected Works  
Academic  
Professional

# Title Wareerinsiri Natdanai

## Personal Info

Date of Birth : 21st May 1996  
Place of Birth : Loei, Thailand  
Resident Place : London, UK  
Address : 1702, One Park Drive,

Address : 1702, One Park Drive,  
London, UK, E14 9GG.  
E-mail : Tylerwareerinsiri@gmail.com  
Tel : +447393126421



## About me

As an Architect I have learned that physical reality is one of the constraints that we must face toward our design topologies. I believe that architecture is a tool that creates connectivity and relationship between space and its user. Therefore, my design interests have influence from factors such as ecologies and social issues that could be transmitted into creative innovations and concepts.

## Software & Skills

+ Rhinoceros	Expert
+ Grasshopper	Advanced
+ AutoCad	Basic
+ Sketchup	Basic
+ Revit	Intermediate
+ MicroStation	Intermediate
+ Vray	Advanced
+ Enscape	Advanced
+ Twinmotion	Basic
+ Lumion	Advanced
+ Adobe Suite	Advanced
+ MS office	Basic

+ Media : Premiere Pro, iMovie, Vray & Lumion animation.  
Photography Digital & Film camera, Lightroom, Photoshop.  
+ Fabrication : CNC, Laser cut, 3D printing, Photogrammetry,  
Wood working, Casting, Hand modeling/drafting MediaFabrication.

## Academic

- 2019-2021 ● + UEL : University of East London | School of Architecture, Computing and Engineering. LND, UK  
- MArch Architecture (ARB/RIBA part 2) | First Class Honours
- 2015-2019 ● + INDA : International Program in Design and Architecture, Chulalongkorn University BKK, TH  
- Bachelor of Science in Architectural Design program | Design Excellent Award 2019.

## Practice Experience

- 2021-2023 ○ + AHMM: Allford Hall Monaghan Morris | Architecture Assistance Part 2 LND, UK  
- High rise Residential / Commercial & Office / Masterplan / Education / Arts / Conservation / Competitions
- 2019-2023 ○ + Freelance Architect BKK, TH/ LND, UK  
- Interior renovation / House extension / Siriraj Hospital / Restaurant renovation / Branding design
- 2019 ● + Internship & Primary workshop | Architectural Assistance Part 1 BKK, TH  
- Intern at Primary workshop : Lead on Branding Design / Housing Interior Design / School Facade Design
- 2018-2019 ● + Part-time worker & Pareid Architect | Internship BKK, TH  
- Part time work at Pareid Architect : Diagram & Graphical Communication

## Extracurricular

- 2020 ● + Reconstruction of Richard Wentworth's Concertina | A Sculpture of Public Space LND, UK  
- Reconstruction of an art piece : Redesign and site construction on wood work with joint and structure
- 2019 ● + Space Saloon : Ban Bat Entrance Gate | Design & Build For Community Project BKK, TH  
- A project engage with local community : Design and site construction on steel frame and canvas
- 2019 ● + Space Saloon Extent Project | International Design & Build Project | Morongo Valley LA, USA  
- Collaboration with Kyle May Architect & Sci-Arch : Design and site construction on wood work and landscape
- 2017 ● + Tejido | International Design & Build Project | Tolox, Spain Tolox, ESP  
- Material experiment with local community to upcycle and promote their traditional products and culture.
- 2017 ● + The Pearl River Delta | Film Documentary of Uran Village ShenZhen, CHN  
- Collaboration with Future+ : A Documentary of megatropolis of multimillion inhabitants in urban village

## Achievement & Publishes

- 2021 ● + London Festival of Architecture's Pews & Perches Competition 2020 LND, UK  
- Winner & Selected for Construction : A social distance bench design for social engagement within a self distance
- 2019 ● + Monumental Wasteland : Nova Natura | INDA Chulalongkorn University End of the year Exhibition BKK, TH  
- First Place & Selected INDA Parade's Design Excellent Award



### Academic Project

- 01 Nova Natura ( The New Nature)
- 02 Nova Mreža (The New Network)

### Professional & External Experience

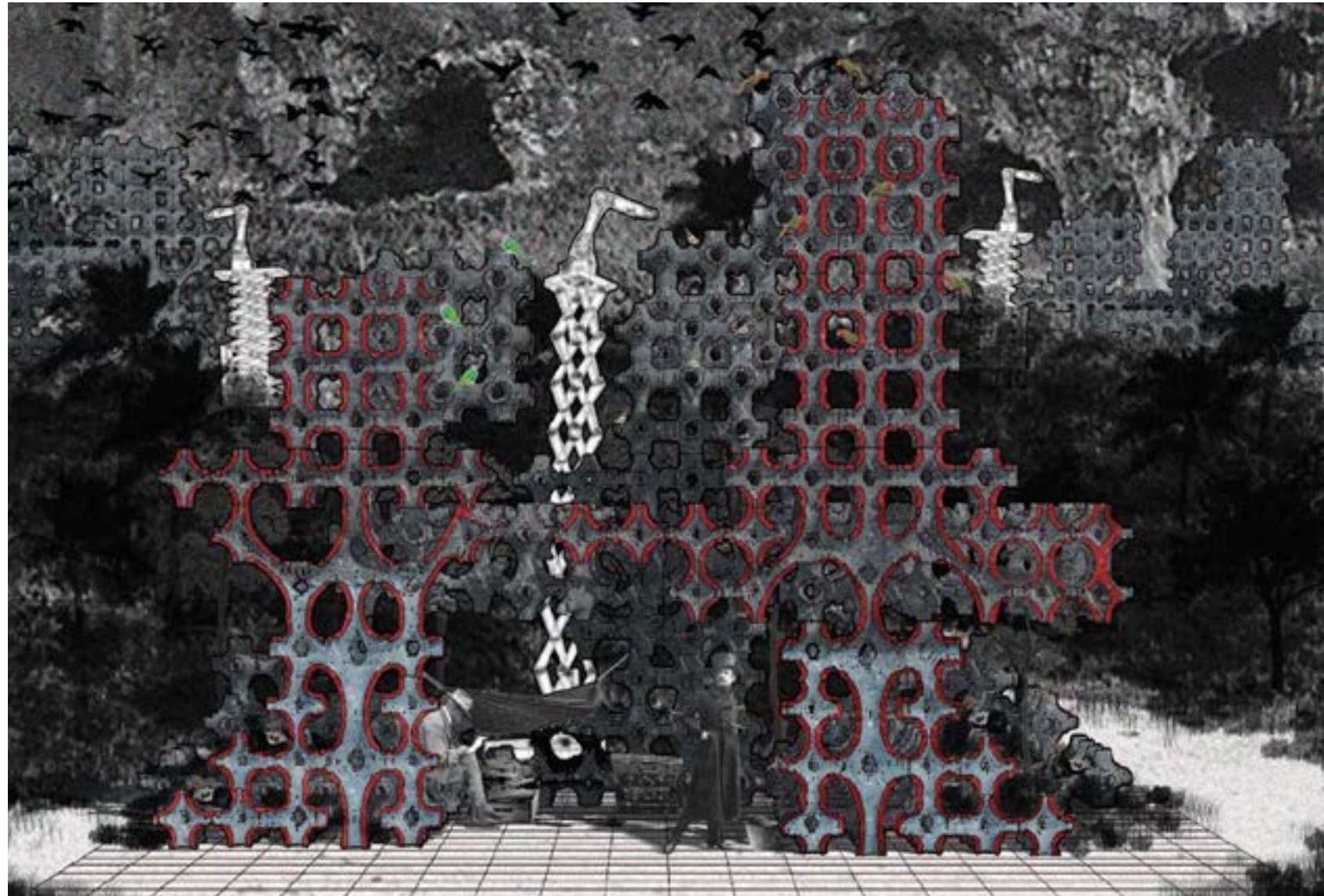
- 03 Royal Street Plot X
- 04 Royal Street Plot D
- 05 Competitions & Bids
- 06 Television Center Plot G1
- 07 Extracurricular Project



# 01 Nova Natura (The New Nature)

Henderson Island, Pitcairn Island Group, South Pacific Ocean

Won Design Excellence Award in 2019  
 INDA : International Program in Design and Architecture, Chulalongkorn University  
 Bachelor of Science in Architectural Design program : Year Four Semester One  
 Prof. Déborah López Lobato  
 Ecological project



Academic Project

## “Monumental Watesland : Henderson Island”

Henderson Island is the most isolate place in the world making it valuable to the scientific research. But due to the trash that are bobbed in to “South Pacific Gray” a circular ocean function like conveyor belt bring plastic waste to the Island, making it the highest density of anthropogenic debris recorded anywhere in the world. estimate 3,800 peace of trash flow to the island, more than 38 million peace about 18 ton, affecting it ecology and destroy it beauty. Marking it one of the most polluted places in the world, where I developing an interspecies space made from a novel material developed and referred as “metaplastic”. The project includes ecology, speciesism, material and computational design in making use of this vast and toxic resource.

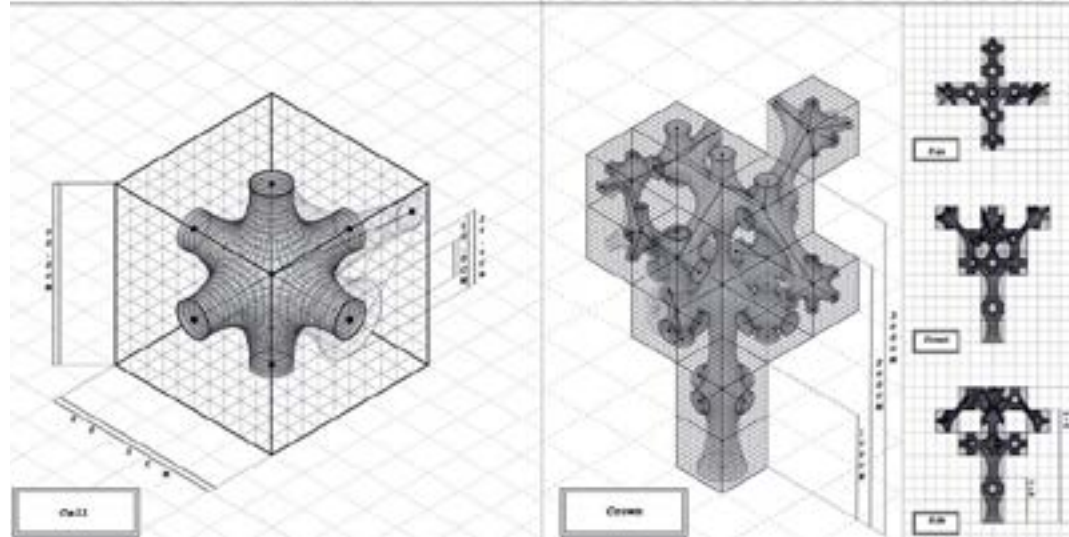
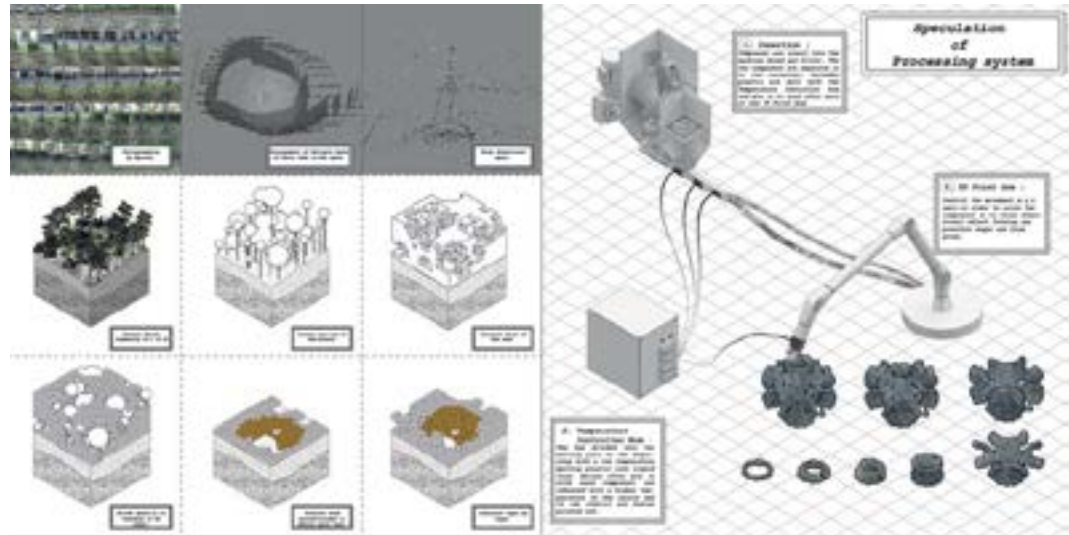
In 2019 Nova Ratione got Selected as one of INDA Parade’s project showcase , and won first place of Design Excellence Award by peoples and architects vote.



Mechanical Component	12,004	8,294	3,1254	120-140 °C	130-160 °C
Material	Metaplastic	Metaplastic	Metaplastic	Metaplastic	Metaplastic
Material	Metaplastic	Metaplastic	Metaplastic	Metaplastic	Metaplastic
Material	Metaplastic	Metaplastic	Metaplastic	Metaplastic	Metaplastic
Material	Metaplastic	Metaplastic	Metaplastic	Metaplastic	Metaplastic





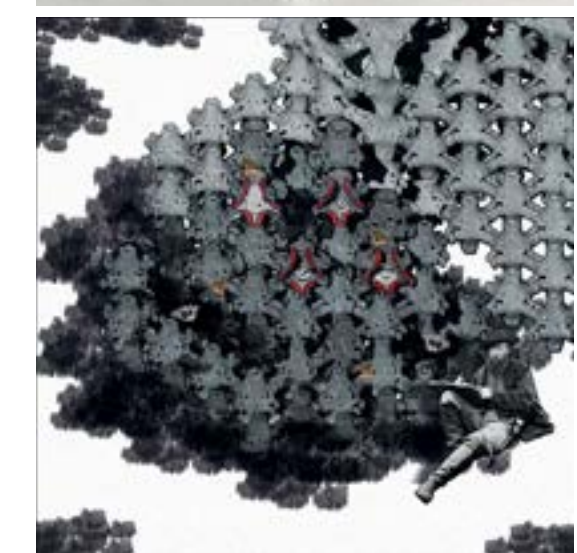
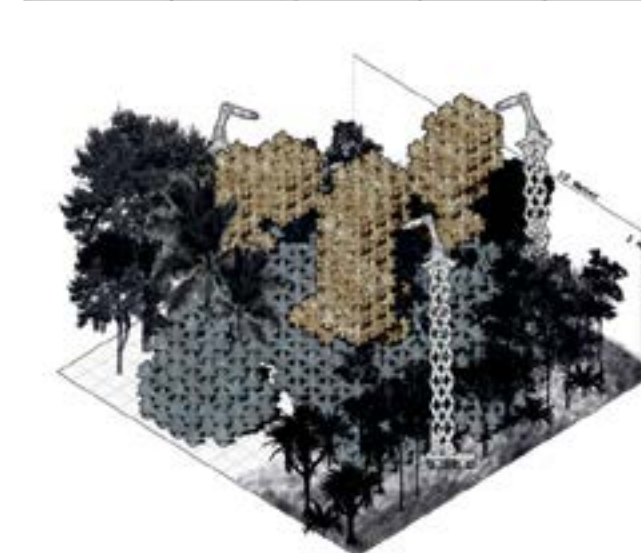
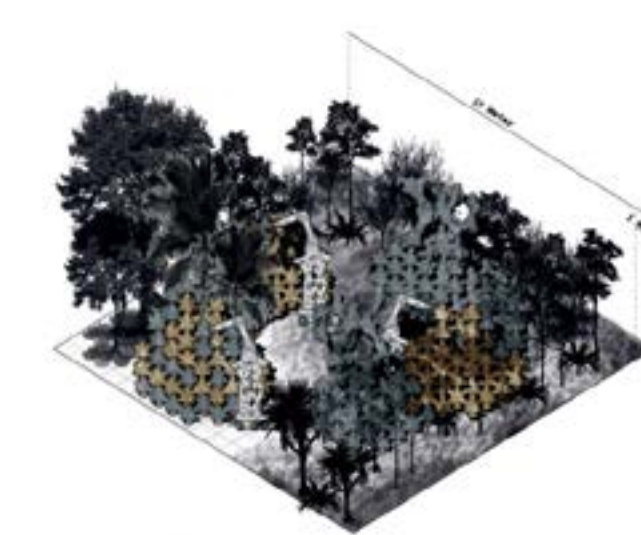
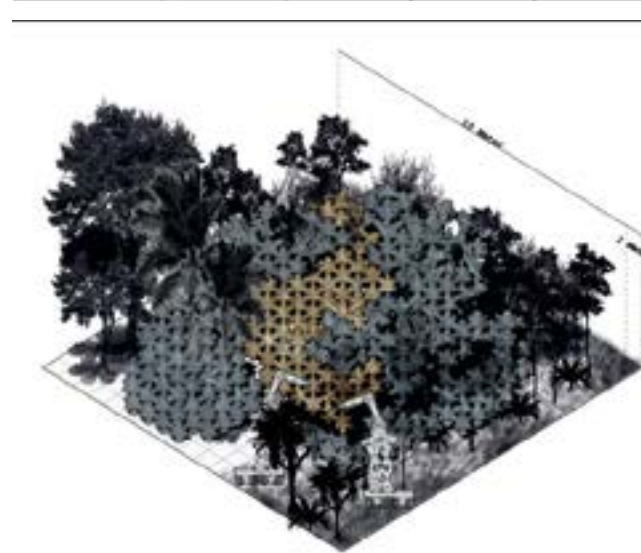
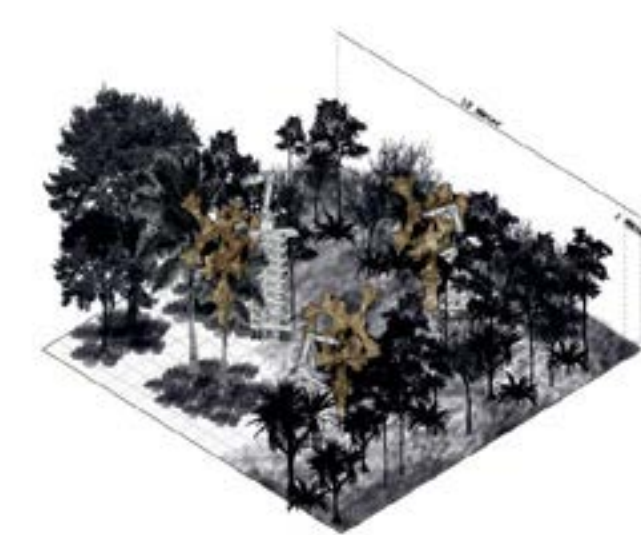


### Nova Ratione

Welcome to Henderson island 2100, The land surface have been increased by 10 square kilometers from plastic pollution which destroyed most of the ecological aspects of the beach and coral area. As Plastic is one of the strongest and toughest substance humans ever created, infinitely flowing to the island of Henderson, I have seen this as an advantage aspect in order to coexisting between this man made material and the environment. By mixing plastic and sand melted into figures as construction materials called "Metaplastic".

In addition, Henderson island also known for its untouched biology which make it become one of the important sites studied for scientist and biologist. However, due to the unique landscape of the island fresh water are inefficient effect in the research area. The lack of fresh water causing the species of animal to be limited, therefore the largest fauna are four species of rare exotic bird.

In this design I propose to use Metaplastic to incorporate with the ecological aspect of natural cycle, and supporting shelter and water source in the same way which served scientist researcher to explore further into the island. Speculation of how machine approach to site is by "Photogrammetry". Photos of site are taken in 360 degree angle and then compressing into 3d space, giving positive and negative space. Allow AI to constructed 3d print structure in the available printing boundary, where as the design of structure are mimic from tree crown and cell, 3D printed in different sand percentage depend on the placement of each structure function and surrounding.





# 02 Nova Mreža (The New Network)

Transportation Center of Skopje, Skopje, North Macedonia

University of East London | Unit 8  
Master of Architecture 4th year (ARB/RIBA II)  
Prof. Armor Gutierrez & Rosa Rogina  
Ecological & Social Project



Academic Project

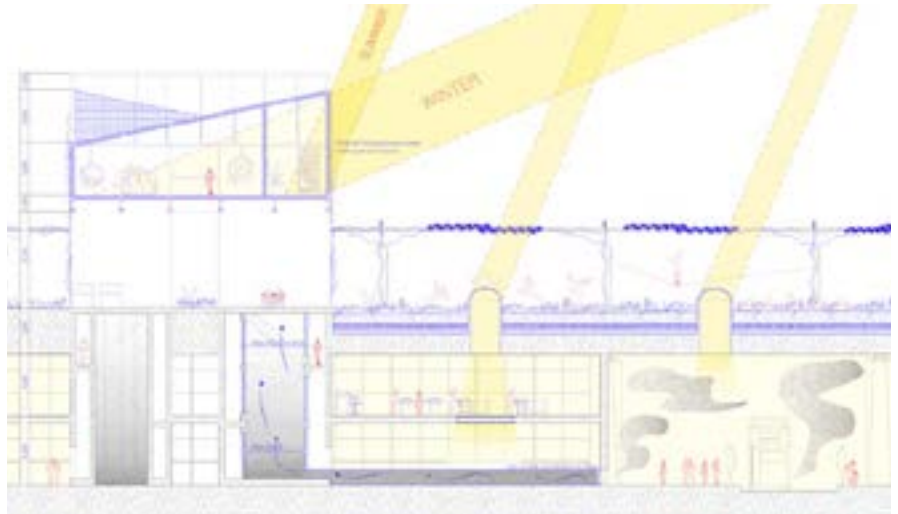
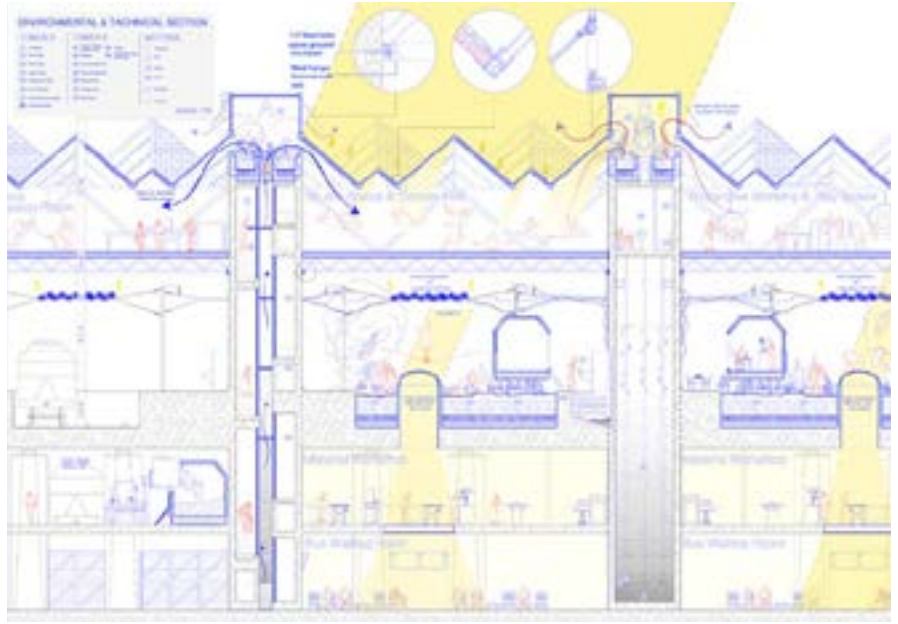
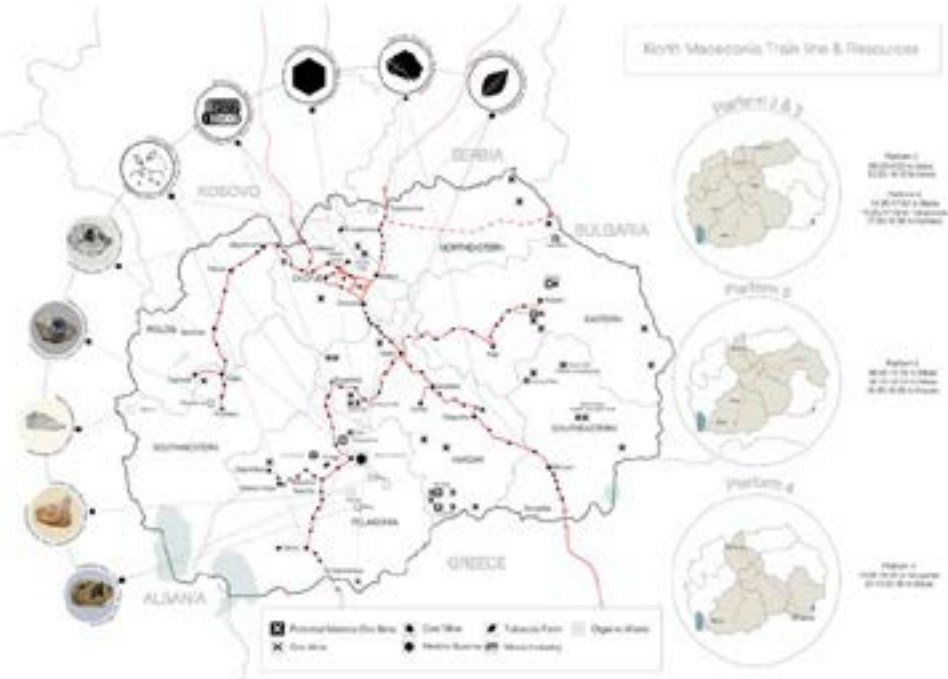
## “Novata Ratione (The New Network)”

“The project aims to explore the potential of Novata Mreza station as a national center for recycling and repurposing industrial waste materials to create new and innovative materials.”

By reactivate the existing Transportation Center of Skopje - promoting a responsible use of the national industrial waste upcycle into construction and architectural elements. At the same time the proposal forms a green lung which will act as a filter to help reduce pollution from the air and improving the transportation center user experience.







Mining and tobacco industries are two of the major export goods in North Macedonia as it consists of over 52 mining locations while tobacco takes up to 25% of the country's agriculture area. As the existing train route is not just serving passengers but also freight trains, export and transferring local goods around the area, the project proposes to use waste and non-reusable crops from those two industries in a new network of knowledge that upcycled industrial waste into construction material. This material will be used to complete the three dimensional connection of the Transportation Centre, which would then function as a factory or a production hub for the local community with a possibility to expand the knowledge towards the rest of the country with the "Youth train".





# 03 Royal Street Plot X

Royal Street, London, UK

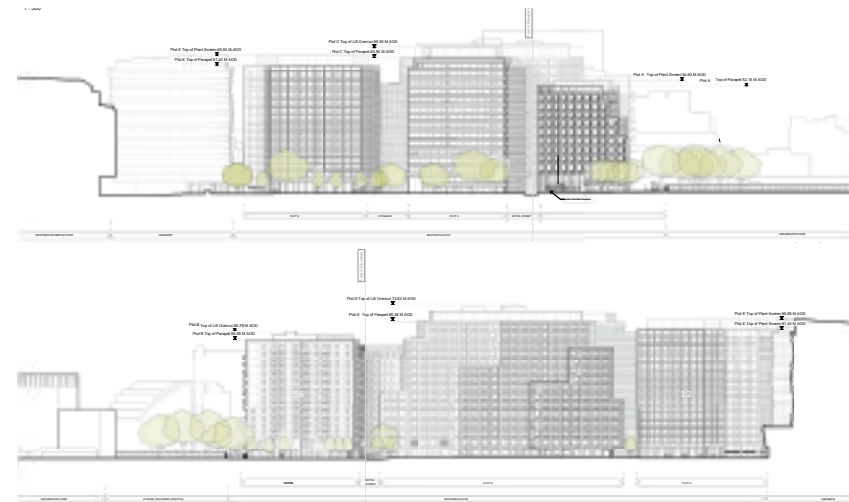
AHMM  
Stage 2  
Masterplan and Plots Coordination



## Project vision

The vision for Royal Street is to create a medtech development in north Lambeth which capitalises on its close location to the centres of healthcare excellence within the borough and offers a highly sustainable approach to both lab and office accommodation on a site which is ready for regeneration.

Royal Street's redevelopment offers the opportunity to connect the commercial and cultural activity along London's South Bank with the residential community to the east of Waterloo. It provides a much needed retail, F&B and commercial offer to the community of St Thomas' Hospital and it provides valuable investment into the area's infrastructure to the benefit of all complementing the existing Lower Marsh retail. It brings together the work of seven separate architecture and landscape practices to create a vibrant addition to its varied context.





# 04 Royal Street Plot D

Royal Street, London, UK

AHMM  
 Stage 2  
 Mixuse offices and retails



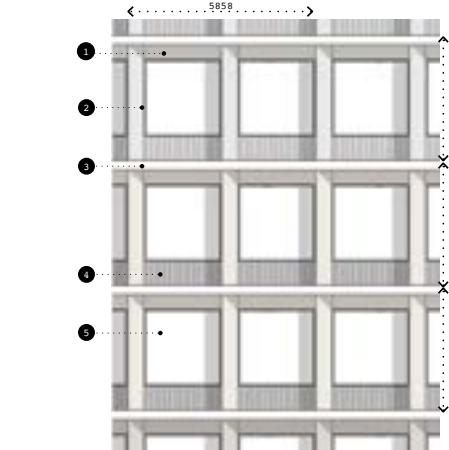
## Project vision

The proposal is a mixed-use development, comprising of a range of active uses on the ground floor and a generous amount of lab-enabled office and standard office accommodation above.

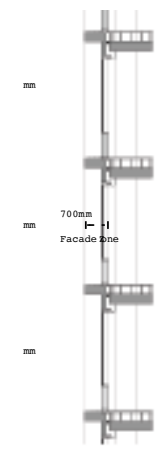
Plot D is 14 storeys in height (including Ground Floor), with a single floor of basement accommodation and works together with the five other buildings (called Plots B, C, D, E and F), and associated landscaping, forming the Royal Street masterplan.



01 Expanding the building form  
 02 Coordinating the structural grid  
 03 Establishing the facade grid  
 04 Creating horizontal rhythm  
 05 Layered facade  
 06 Extending the building footprint



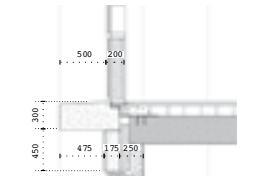
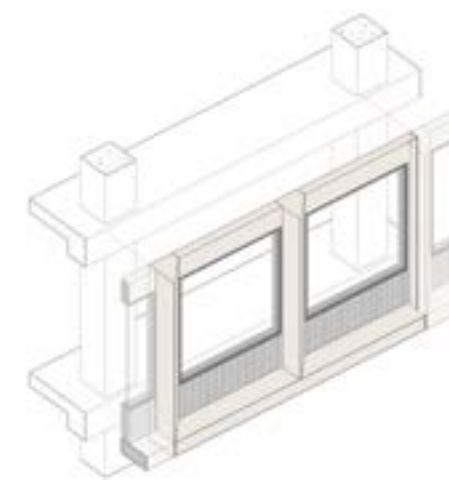
Typical bay elevations



Typical bay section



Typical bay plans



Typical bay - section detail



Typical bay - plan detail column interface



# 05 Competition & bids

Selected Competition and Bid Projects.

## The Maltings

Refurbish a cultural venue in Berwick-upon-Tweed, Scotland.



## Birmingham Odeon

High Rise Residential tower, new public links, connecting the Station Square and New Street with the Cinema.



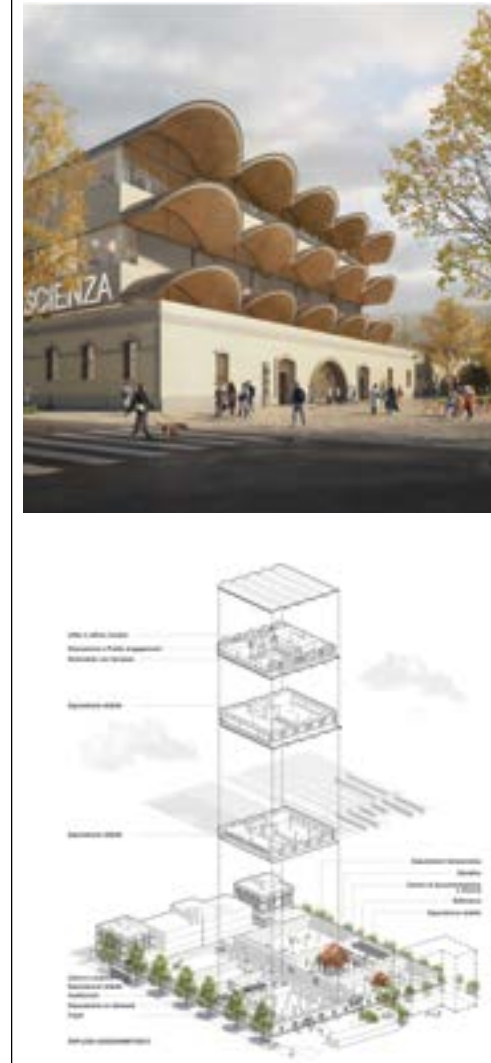
## Fremo School Competition

An Educational competitions of a school and city hall in Province of Fermo, Italy.



## Muso Della Scienza di Roma

Refurbish of Science Museum along with extensio.



## Manchester ID

Conservation of grade II listed building from 18 and 19 Century.



## Victoria Street

Retrofit public links, connecting the Station Square and New Street with the Odeon Cinema, Residential tower and new public realm.





# 06 Television Center Plot G1

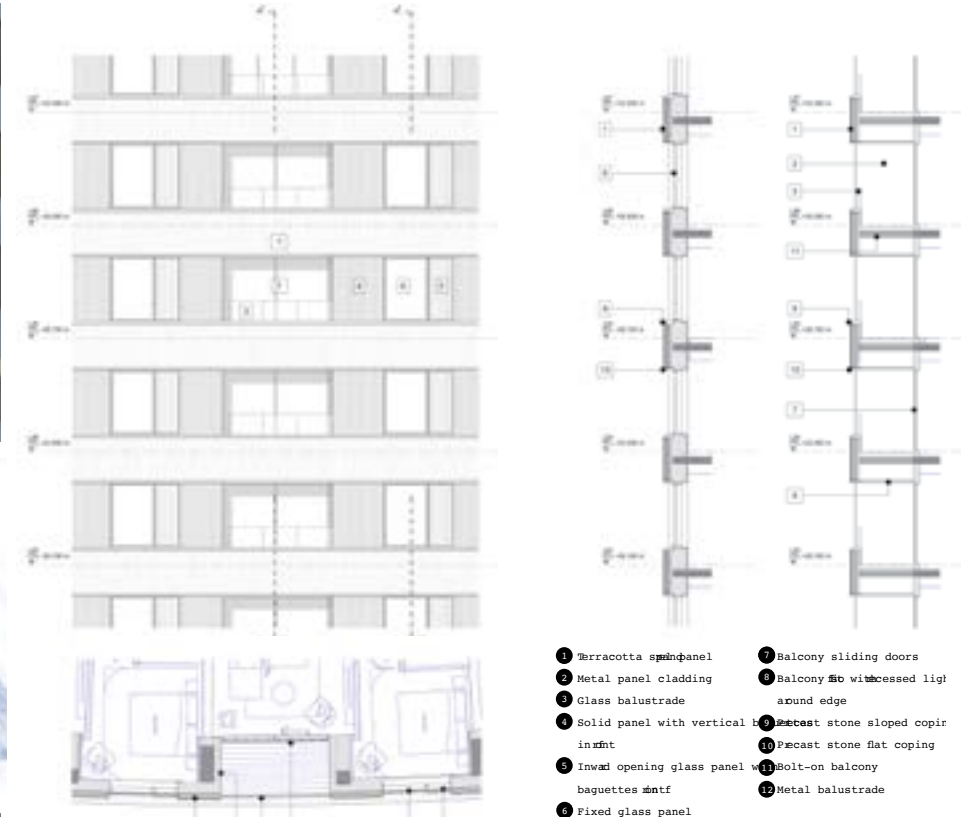
Residential Development, White city, TVC master plan

Residential Project  
AHMM  
Stage 2-3  
non material amenment

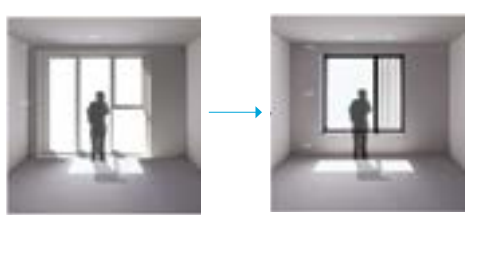
## Project vision

The main aspirations of the brief were to review the unit mix distribution and to update the overall design to the new and updated building regulations. The brief acknowledges that the revised design will present changes to the planning consented scheme, therefore the Stage 2 design has been developed to enable the submission of a Non-Material Amendment

Plot G was originally granted consent in outline under the masterplan permission, although only the internal layouts were reserved for future approval (i.e. all other details were approved in detail). The total number of residential units within Plot G is 167, all of which are apartments. In addition to the residential apartments, there is c.8,000 sqft of commercial space at ground floor.



- 1 Terracotta stone panel
- 2 Metal panel cladding
- 3 Glass balustrade
- 4 Solid panel with vertical inlay
- 5 Inward opening glass panel
- 6 Fixed glass panel
- 7 Balcony sliding doors
- 8 Balcony slab with recessed light around edge
- 9 Precast stone sloped coping
- 10 Precast stone flat coping
- 11 Bolt-on balcony baguettes mntf
- 12 Metal balustrade



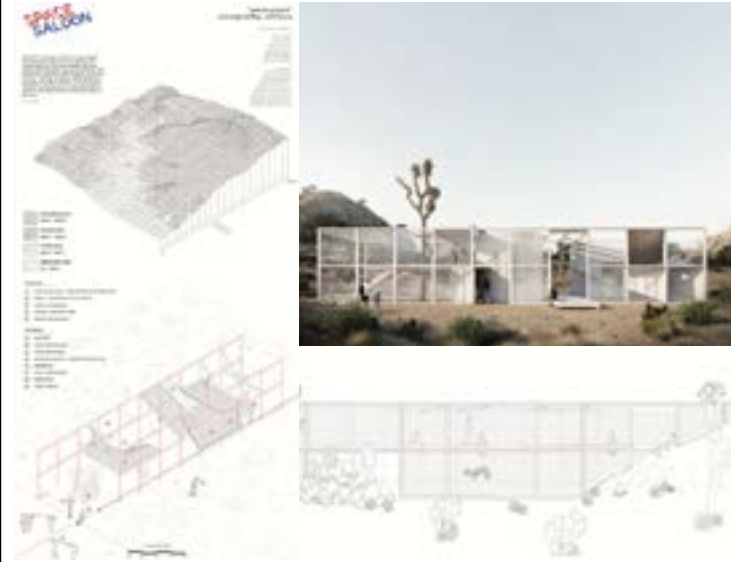


# 07 Extracurricular

An External Design Projects out side Academic and Practice

## Extent Project

International Design & Build Project, Morongo Valley, LA



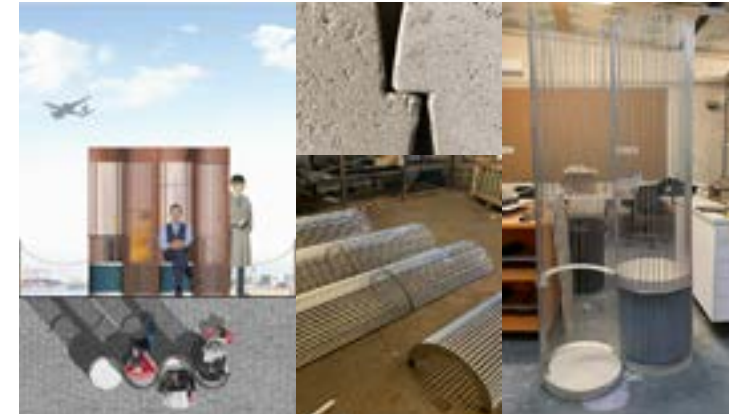
## Bhan Bath Entrance Gate

Design & Build For Community Project, Bhan Bath, BKK



## Royal Resonance

Design of Public Bench within a self distance, Royal Dock, LND



## Concertina

A Sculpture of Public Space, UEL, LND

