

INTERIOR ARCHITECTURE



UNSW
AUSTRALIA

Graduation Projects
Interior Architecture

Never Stand Still

Built Environment

STRUCTURE 2015

The graduation design work exhibited in its comprehensiveness and vision represents only a slice of the breadth of the graduands capabilities with their greatest design contributions in the world in front of them. The 2015 graduands are equipped and ready through their studies at UNSW Built Environment for the complexities and challenges of an ever evolving world. I am confident their contributory spirit will endure throughout their designing careers.

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Bachelor of Interior Architecture
Final Year Projects



PROFESSOR ALEC TZANNES AM

Congratulations to the students who have completed their degree at UNSW Built Environment and now join our alumni community.

This catalogue provides a glimpse into some of the many study themes and projects you have undertaken as part of your academic experience and serves as a record of your graduation class.

We have designed your program of study to reflect advanced contemporary professional practice emphasising the development of leadership skills and innovation, ensuring that as a graduating student you have the best opportunity to be at the forefront of your chosen field of endeavour.

Now that you have graduated, our relationship evolves from student to alumnus, continuing a lifelong engagement of support and involvement (register to join the alumni community at www.alumni.unsw.edu.au). As you travel the world through your career, you will meet many alumni who have become global leaders through their innovative thinking, acting as catalysts for change in all facets of the built environment professions as well as in other fields of work. As an alumnus we encourage you to keep in touch with UNSW Built Environment. We are always keen to support our graduates and publish their successes throughout our alumni network. Please email us your news and updates at BEalumni@unsw.edu.au.

We are also always grateful to our alumni who support our future students with scholarships, prizes, internships and mentoring programmes.

Should you wish to further your education, qualifications and knowledge, UNSW Built Environment Graduate School of Urbanism (AGSU) offers an extensive suite of post professional degrees. AGSU focuses on advanced qualifications in specialised interdisciplinary areas of professional practice and a suite of highly relevant research orientated programs of study. Our commitment to being the leading educators in the design and delivery of more liveable, sustainable cities has underpinned the creation of the AGSU.

As a professional, I also invite you to join our LinkedIn group (UNSW Built Environment) where you will be able to keep in touch and network with your peers, other professionals and UNSW Built Environment.

I wish you a successful and rewarding career.

Professor Alec Tzannes AM
Dean, UNSW Built Environment



BRUCE WATSON DISCIPLINE DIRECTOR

Now in its twentieth first year, the UNSW Built Environment Bachelor of Interior Architecture (BIA) degree and our alumni have together elevated the benchmark of interior graduates in our region and globally. UNSW Built Environment BIA graduates over the past twenty one years have redefined the interior landscapes of Sydney. The 2015 graduands have proven by their dedication across the four years of the BIA degree to be expansive thinkers, extremely determined and impassioned designers ready to advance the BIA alumni career pathways and to be leaders of the global design community.

The graduation design work exhibited in its comprehensiveness and vision represents only a slice of the breadth of the graduands capabilities with their greatest design contributions in the world in front of them. The 2015 graduands are equipped and ready through their studies at UNSW Built Environment for the complexities and challenges of an ever evolving world. I am confident their contributory spirit will endure throughout their designing careers.

UNSW and the Faculty of Built Environment are extremely proud of all the graduands and their achievements and wish them all the very best. They have set the design standard high and I look forward with excitement to seeing the fruit of their efforts in the designing world.



DR SING D'ARCY GRADUATION STUDIO LEADER

Located on the Western fringe of Sydney's CBD is the Bays Precinct with the White Bay Power Station at its heart. This structure and the landscapes that surround it are important elements of the natural and built environment of our city as well as that of our national identity. However, despite the enormous symbolic and spatial significance of the Bays precinct, it has been underappreciated and underutilised.

The fourth year of the Bachelor of Interior Architecture at UNSW has as its central premise the exploration and promotion of the interior as an agent for positive change within our future cities, be it social, economic, environmental or spatial. Given the significance of the White Bay Power Station and the urgent need for its revitalisation, this project challenged students to envision a new future for the interior of the Power Station within the contexts of 21st Century Sydney as a mass destination for tourism, leisure and pleasure, whilst simultaneously addressing the needs of local community and heritage.

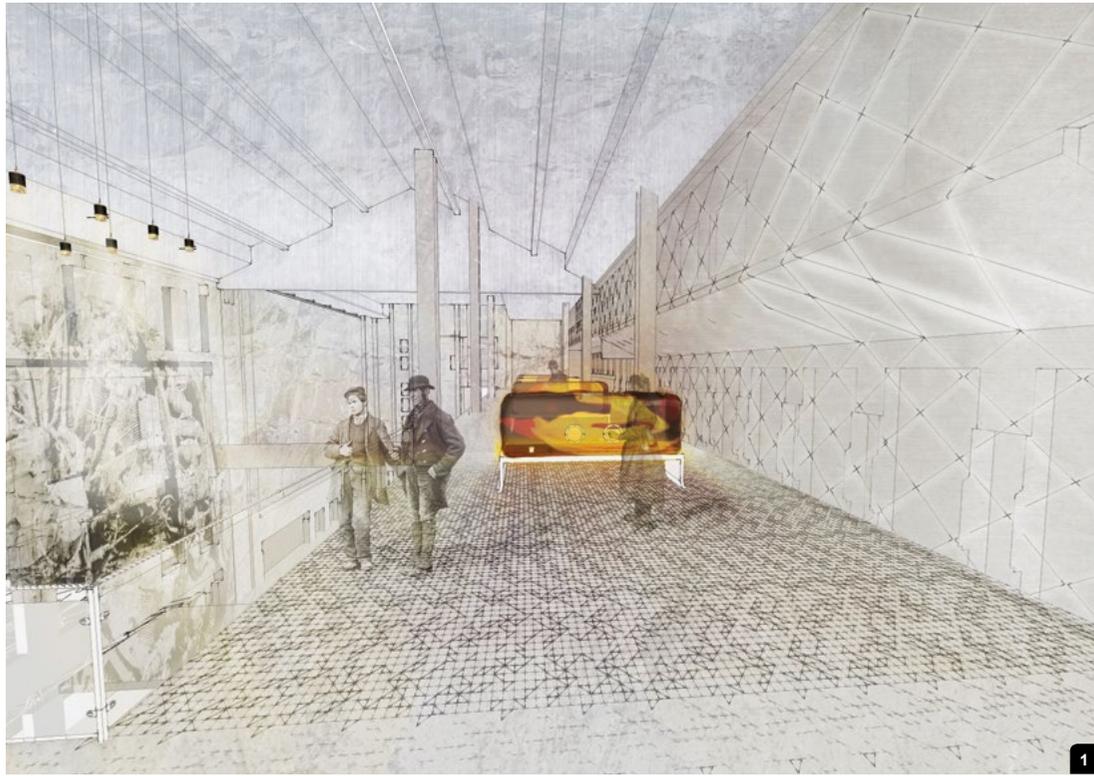
The development of the project was structured in a two-fold manner: research and resolution. The first semester involved a research project which asked students to develop appropriate methods in order to gain an understanding of the site, its contexts, communities and conflicts,

and formats to communicate these to stakeholders. This stage saw the involvement with the actual client of the project Urban Growth NSW. From the research findings each student put forward their response to the provocation in the form of a brief and a spatial proposition. As can be seen from the work presented in this catalogue the visions for the White Bay Power Station were varied and exciting. These range from celebrations of Sydney's physical, outdoor and leisure culture, others sought transform the interior to showcase the significance and potential of clean and renewable energy generation, whilst some were inspired by the uniqueness and privilege of the site, their propositions evolving from the conditions of the industrial heritage found in every space of the interior.

The second semester saw students take the initial research-based ideas and resolve them through a spatial and material exploration of the interior. Beyond the large-scale architectonic gesture each student has, at the room-scale, created and designed items of joinery, furniture and lighting. Always referring back to the research undertaken in the initial phase of the project, the detailed design of the interiors forms an integral component and eloquent expression of their education and achievement as designers, and as members of a global creative community.

The background of the image is a detailed architectural floor plan, rendered in white lines on a black background. The plan shows a complex layout of rooms, corridors, and structural elements, typical of a large building or institutional structure. The text is overlaid on this background, with the words 'FINAL YEAR' and 'PROJECTS' appearing to be partially integrated into the lines of the floor plan.

BACHELOR OF
INTERIOR
ARCHITECTURE
FINAL YEAR
PROJECTS



Aeolian

Wind energy research centre

The proposal Aeolian as a wind energy research centre attempts to embrace the positive advancements in technology for renewable energy resources to benefit society, whilst simultaneously evokes and references the undesirable past of coal-fired energy production. White Bay Power Station is a remnant of Sydney’s industrial past and is a site that accommodated the previously acknowledged great feat of energy production. Although the issue of global warming may always be lingering in the minds and declarations of society, it is not always perceived as an issue that may generate a built space that interests the majority of the community. One way to intrigue a local and global audience is to highlight the theatricality in the anatomy of machines that may eventually lead to sustainable living. Spatially, the proposal attempts to engage people within exhibition spaces – internally and externally – that work in collaboration with the researchers that are creating wind turbine prototypes. Each space is envisaged to emphasise the wonders of engineering advancements by highlighting distinctly mechanical design opportunities, such as: hands on public workshop areas, machinery archives and reading spaces, and pneumatic cylinder mechanised lifts. The proposal will also attempt to reference the potential of wind energy and the site itself through materiality. The use of recycled copper in multiple spaces references how wind has the potential to create natural erosion, whilst referencing the machinery that the copper was stripped from within the White Bay Power Station.

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Studio Tutor: Dr Sing d’Arcy

Pictured

- 1. Machine prototype gallery
- 2. Reception cage lift



Rebirth in BRC (Bio Research Centre)

Bioenergy Research Centre is a project that explores the current environmental problems by stepping away from coal powered energy and researching into renewable energy sources for our future generations. The redevelopment of this heritage site is given a rebirth as the new landmark will offer clean renewable energy source as well as provide a better living environment for the surrounding communities. By integrating with the surrounding landscape, the existing building form will be incorporated with the natural resources. This is achieved by using organic and curvy shapes as the interior in contrast to the right-angled boxes to evoke the idea of nature. The collaboration of natural sources and landscape provide relaxation as a public space for visitors whilst the research centre will be a place of innovation and intellectual inspiration for the researchers. The site is intended to engage strongly with the locals, where half of space is open to the public and other half is for private use. Those spaces that are open to public will be used for educational promotions and through site visits under public exhibition, an inter-relationship will be created between the research lab and the community.

The three key characteristics of this project is to 'recognise' our past, blend with 'nature' and focus on 'materiality-texture' to deliver the innovative ideas through bioenergy with our senses (touch/smell/sight).

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Studio Tutor: Cushla McFadden

Pictured

1. Research laboratory
2. Staff room with entry space



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3

Kardia

Innovation hub

The proposed facility, Kardia, from Greek Kapδio meaning 'heart', reflects the pioneering process of innovation as it sustains and reinvigorates society in a continual renewing process, signifying innovation as the heartbeat of society.

The vision for Kardia aims to pioneer future directions in innovation and technology, nationally and internationally, with the facility being the central civic hub for inspired collations of the mind. This Innovation precinct engages various parts of the creative mind – to think, to create and to engage.

The heartbeat of the hub is the central atrium that connects the hub of creative zones and collaborative paths. The architectural atrium, offers an imaginative space to think and imagine; providing a laptop charging 'plug in' zone, meeting spaces, and café. Vibrant studio spaces, technology labs and architecturally striking presentation facilities provide the means to create, engage and present new developments.

With such innovative programs going on within this creative hub, the architecture should be equally as innovative. Adaptive architecture is architecture that physically responds to the natural environment, providing an ideal and flexible internal environment. The undulating adaptive architecture wraps and interacts with the existing built environment, shading and allowing natural sunlight. The modular pattern reflects the shape of the neuron within the brain, condensing and releasing in connection to one another.

The second main intention of Kardia is to engage the general community and generations through interactive exhibition spaces. A 'Sensory Coffee Lab', feature escalator and suspended fine dining restaurant, combine student learning opportunities with professionals in creative industries.

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Studio Tutors: Chee Lam, Dr Sing d'Arcy

Pictured

1. Innovation hub: heart of inventiveness and collaboration
2. Presentation facilities: ideas generator
3. Kardia: adaptive architecture is innovation itself



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Cure

My proposition for the White Bay Power Station is Cure – a holistic Cancer Centre that coexists amongst cultural facilities. Whilst these spaces typically would not exist together, I believe that through vigorous planning and design the WBPS shift the hospital typology into a significant civic building, that becomes integral to the community and the wider public.

The Cancer Centre was designed in a holistic fashion where research, clinical treatment and education co-exist harmoniously. The environment nurtures the innovation of doctors and scientists, allowing a much more rapid transition between clinical research and treatment processes.

Adjoining the Cancer Centre are private housing facilities that will allow cancer patients and family members to remain on site during periods of intensive treatment. In addition leading international doctors, researchers and professors will be invited to stay on site while delivering seminars and contributing to the cancer research and treatment programs.

The WBPS also aims to deliver the much-needed hub for creative events that will be both permanent and adaptable with neighbouring hospitality facilities.

The integration of the Cancer and Cultural Centre facilities will help promote Cancer awareness, associated treatment types and prevention measures through free onsite cancer screenings tests. The Cultural Centre will also benefit patients who will be given unlimited access to performances and linked alternative therapy such as dance and humour therapy, encouraging patients to maintain treatment and boosts their mental wellbeing, which in turn improve medical outcomes.

Cure reinvigorates the process of medical treatment and creates a space where both patients and the wider public can feed off one another and benefit from the unification of two vastly different typologies.

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Studio Tutor: Chee Lam

Pictured

1. Cancer Centre reception
2. Cancer Centre circulation
3. Wine bar



Demiurge

The renaissance of a terrain vague

Demiurge brings to life a creative centre for the White Bay Power Station, inspired by the existing and driven by a creative force. Recognising the uniquely colourful and driven community in the area, the centre will evolve to become a place to immerse in culture and develop skills within a relaxed and inspiring forum.

The attempt is to create architecture imbued with an experience of creativity and innovation whilst maintaining a delicate and complimentary relationship with the existing interior. The design facilitates creative expression through the composition of spaces where heritage is celebrated through the aesthetic and temporal qualities of each interior. An understanding of the psychology behind creativity has led me to introduce elements of biophilia throughout, allowing for an all encompassing experience of vitality in artistry.

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Studio Tutor: Cushla McFadden

Pictured

1. Interior gardens – a contemplative space
2. Open studios – produce and explore
3. Entry – transitional

The Living Lab

The Living Lab focuses on the creative mind and offers an opportunity for the community and greater Sydney to congregate and work or study among a diverse group of people. This centre is a dynamic, people focused learning space, that allows for open and interdisciplinary discussion. My design negotiates with the existing language of space and reconnects disjointed aspects of site and proposes a new, engaging, flexible and inspiring place for people to work and learn. The accommodating facilities resemble that of traditional learning environments, like libraries and studio spaces, however The Living Lab endeavours to promote a new way of thinking, idea making and engaging through architecture and form.

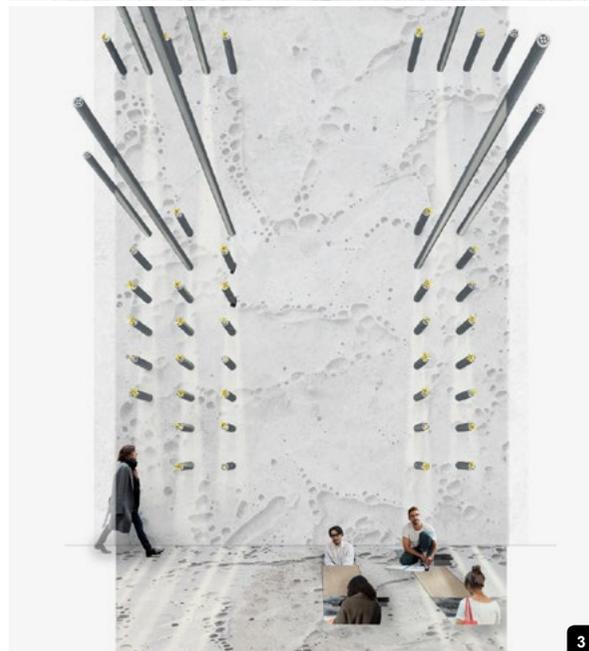
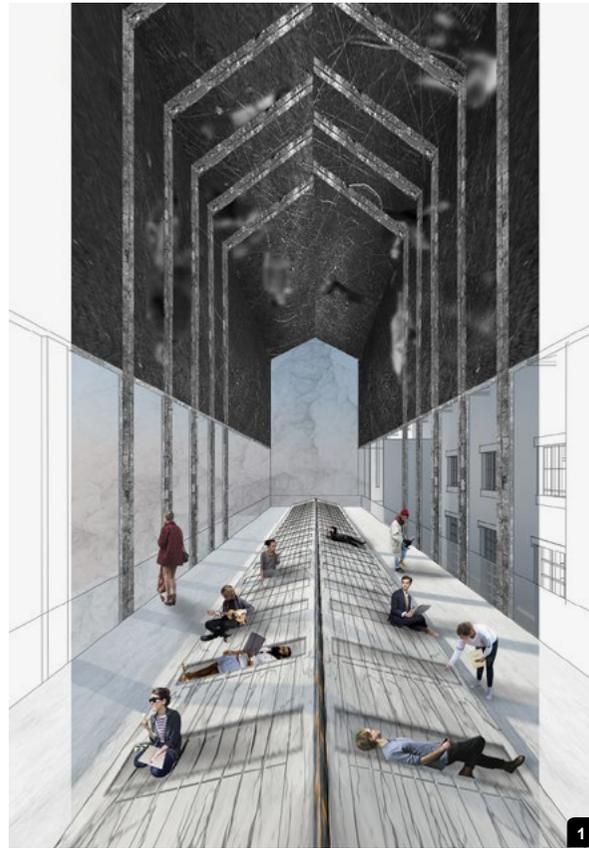
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Studio Tutor: Dr Russell Rodrigo

Pictured

1. Roof top library forum
2. Library circulation space
3. Collaborative studio space





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White Bay Botanica

The epicentre of Sydney's sustainable future, White Bay Botanica.

Sydney and the world are recognising the necessity for long-term solutions to the loss of natural resources and deterioration of lifestyle. White Bay Botanica provides an answer for these ever-present issues through its interactive and educational program for all demographics, and the reinvigoration of the existing structures.

The overarching design approach of creating an interactive public place is achieved by design that aims to speak with the visitors. Moving components, hands on activities, and micro and macro design encourage a connection between the people and place.

The White Bay Power Station's industrial past is redefined by the green reincarnation of its interior, and incorporation of dense and fragile materials as a play on the new and old. A simple palette of white and gold also expresses this concept of revival in a beautifully aesthetic manner.

White Bay Botanica: redefine, regenerate, revive.

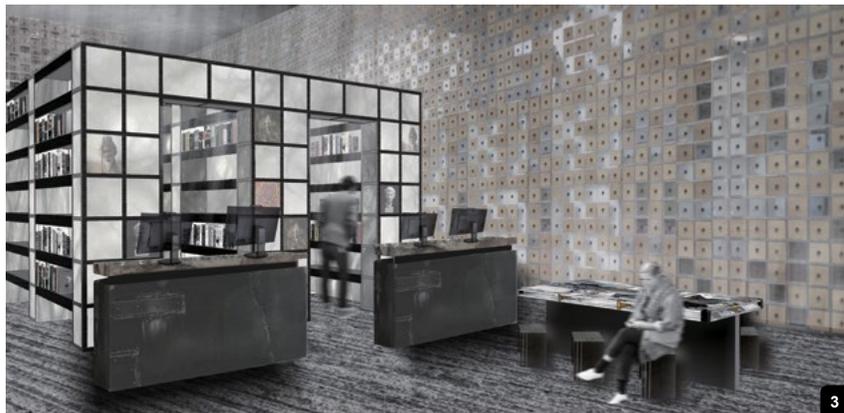
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Studio Tutor: John Gournios, Dr Sing d'Arcy

Pictured

1. Green workshop, interactive space
2. Bar Botane, underground sustainable bar
3. Central walkway and sky bridges



Museum of History and Identity, Reconciliation Space and Library

The proposal Museum of History and Identity, Reconciliation Space and Library would provide a new avenue to the community towards understanding its collective history. It would entail a serial representation of personal stories reflecting the changes, struggles and associated achievements. Visitors to the facility would be provided an ambience for personal reflection towards resonating their individual identities, and in how they perceive themselves within the comity of nations. The Reconciliation space would be arranged to enable visitors to release stress and also resonate with the physical site.

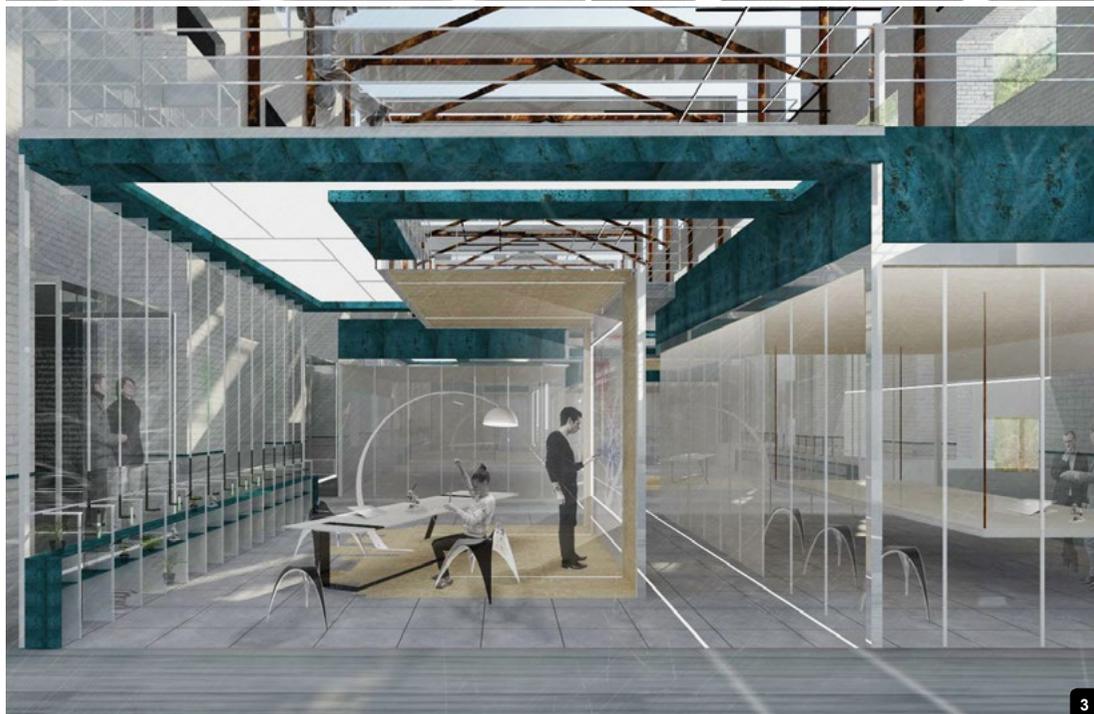
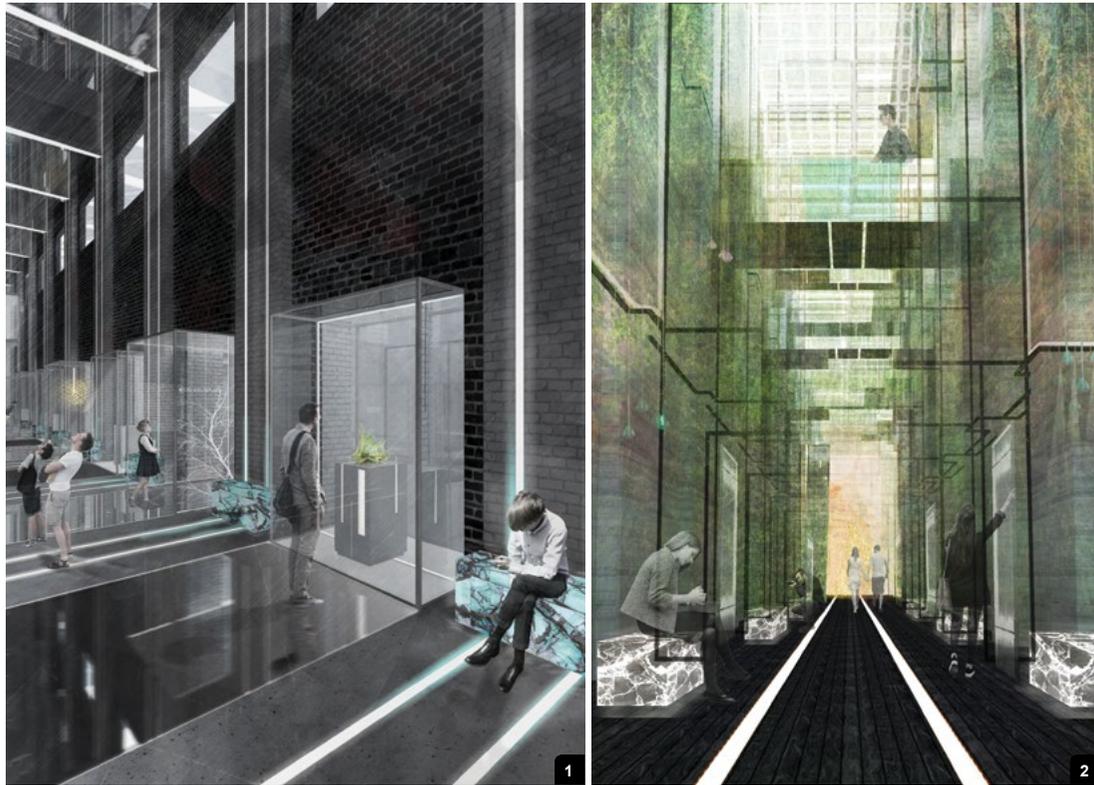
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Studio Tutor: Dr Sing d'Arcy

Pictured

1. Identity exhibition space
2. Reconciliation space
3. Library book collection



White Bay Spectrum

White Bay Spectrum attempts to bridge the gap between art and science to promote a higher innovative culture in Sydney. With a focus on digital and experimental art simultaneously with environmental and sustainable sciences, Spectrum transforms the White Bay Power Station into a dynamic environment. Its transformation reinvents civic engagement in the arts and sciences, by creating a new dialogue between the natural and digital, for a 21st Century Sydney.

The integration of these programs was driven by research into Sydney's cultural and political context today, as well as the social trends and concerns of the Australian public. Further research highlighted that combining these issues creates more opportunity for innovation and global contribution.

The envisaged design attempts to transform the Power Station into a cohesive and interlocking precinct. Rather than treating each building as separate, the overall gesture uses the existing pattern of the site to create new connections. It introduces an Experimental Art Gallery and an Environmental Research Centre, with open spaces for collaboration between artists and scientists. Simultaneously, public galleries, gardens and eateries architecturally connect with the research components of the precinct – introducing more opportunities for civic engagement.

Spectrum enhances an innovative culture, whilst inventing unique settings for understanding and appreciation of the world we live in and its future.

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Studio Tutor: Chee Lam

Pictured

1. Edu house
2. Micro-biology and experimental art, collaborative labs
3. Living laboratory



White Bay Discovery Campus

The proposal for the White Bay Power Station is to create a discovery campus that allows visitors to explore this heritage site. The key idea for this proposal is to produce a platform for visitors to experience the natural (the sub-graded materials of this site) and man-made shapes of White Bay. Through this experience, it is hoped to create a contrasting feeling throughout the entire discovery campus, which will allow visitors to learn to treasure the natural environment. Through pathways and caverns, this design aims to capture and create natural (the sub-grade materials of this site) man-made shapes and materials. Similar to a natural stone space, where a contrast with steel frame elements formed, the use of a naturally curved shape is also another main element of this design. The curved space aims to guide visitors from one space to another, yet not at the same time. It is designed to create a playful experience as visitors look in one direction at a time. While exploring the space, visitors will learn more about the design and its elements, including the details about the space itself and the entire discovery experience. According to research, the sub-grade of this site is a combination of uncontrolled fill, quaternary sediments and Hawkesbury Sandstone. These natural materials are the best elements for creating spaces that draws visitors' attention. The spatial organisation of this project will represent the concept of discovering the past and bringing it into the present.

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Studio Tutor: John Gounios

Pictured

1. Man-made – natural – encircle
2. Partition
3. Discovery – experience – man-made – natural



CREATE

After the decommissioning of the White Bay Power Station in 1983, we have seen an evolution of natural growth and deterioration in the site. To many this is perceived as an eyesore, however finding the beauty underneath is what has inspired my design. I have embraced this underlying beauty of the site and used it as a platform for the design of a space where anyone can create their own version of beauty expressed through creative outlets. As Sydney is lacking in cultural performance hubs for buskers, I believe by creating this space and adding food stalls, growers markets and specialised bar spaces, the White Bay Power Station can become an inviting cultural hub for people of various skill levels and ages, where common interests can be shared. Evidence of the evolution of the site can be seen in the rusting of metal, decay of wood and the invasion of vegetation and I have used this as a stepping stone to expose and express. By allowing ivy to meander through the space on the proposed structure an ongoing evolution of the site is encouraged allowing it to eventually become one with nature and its environment once again.

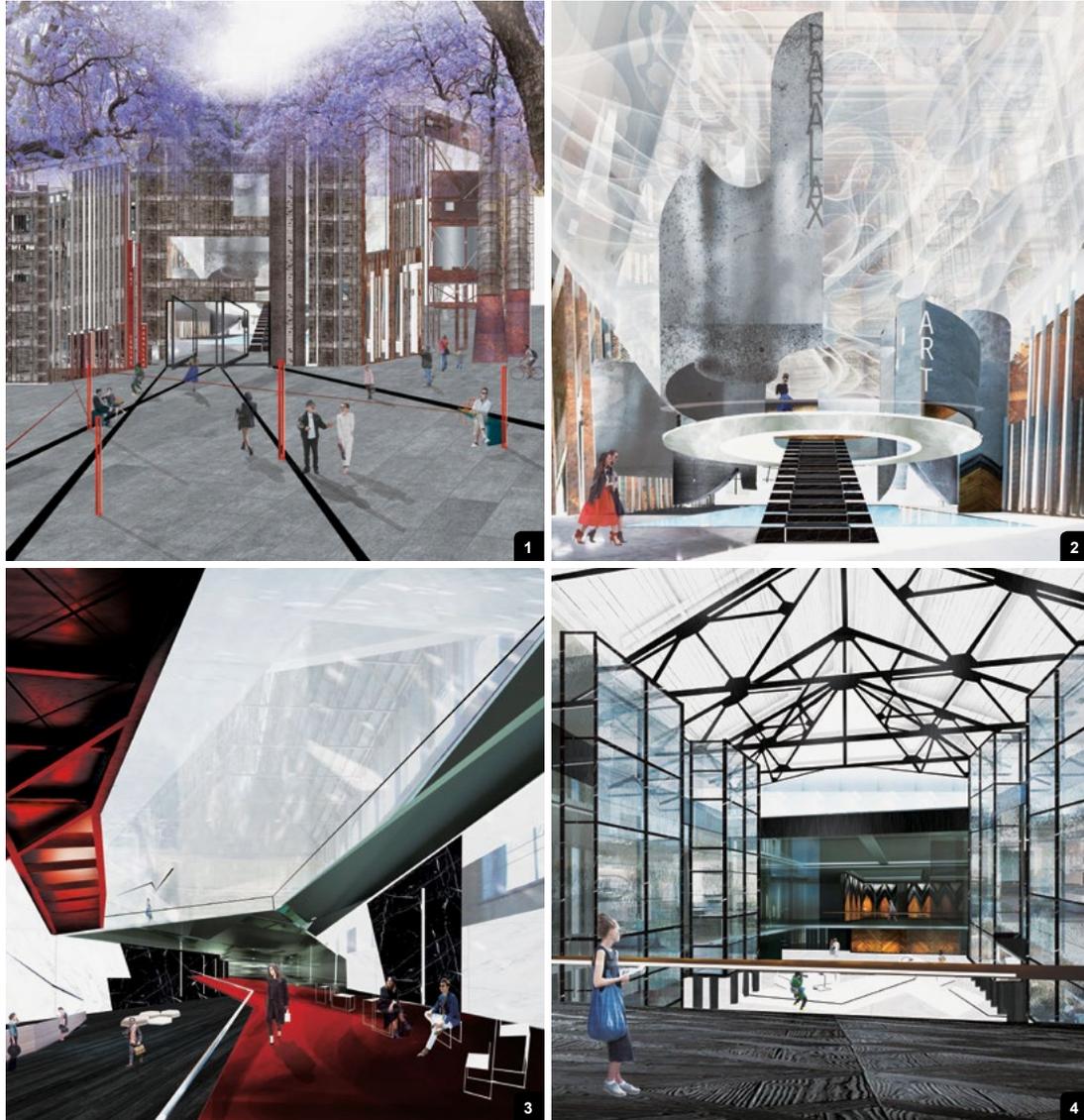
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Studio Tutor: Dr Sing d'Arcy

Pictured

1. CREATE circulation space
2. CREATE busking performance space
3. CREATE exterior walkway



Parallax Art Centre @WBPS

A vibrant and sustainable place that combines culture and heritage, providing creative spaces, and encourages investment, collaboration and innovation. Art Castalia is for artists creating art works, and also for the general public to communicate with art. Parallax Art Centre (WBPS) will focus on light as an inspiration for creating art. The whole design will devote light to space, both natural light and artificial light, which through its innovation and design shows the interest in the poetics of space, colour, and materiality. The pressure of light allows the design to create spaces with uniformly distributed light, by adjusting the method in which daylight comes in and the way light is directed. The whole site is divided into five parts: control space-information centre, learning and communicating space – public lecture theatre, experiencing space – the intermediary building, creating space – artist studio and working area, and the central space – exhibition hall. By taking into consideration the space for communication, the functions for exhibiting, working, and the relationship with the surrounding environment, the creation of diversity and richness in the building was intended by controlling the concept of Parallax by using light, and is represented by different materials (innovation and sustainability). The other design context is using bold and brilliant colours to highlight different functions of a space. The main colours used are red and white, the former symbolising energy, passion and drive, and the latter representing partitions, furniture and seating areas, which can be moved around to create and change the space.

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Pictured

1. Deconstruction – entry
2. Palimpsest – foyer
3. Parallax – light experience
4. Collaboration – gallery



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Pump House

The Pump House proposal aims to encapsulate the wonder and monumental nature of the White Bay Power Station's history and identity as the 'heart beat' of Sydney.

The co-working, co-creating and co-living programs of The Pump House bring together the electrification and socialisation of the 1920's to create an inspiring collaborative environment unique to Sydney and subsequently creates a destination for other nationalities.

Materials and method experimentation was used to explore the concept of networks and establish a strong understanding of connections. A parametric approach has been taken from the macro form to the micro details of the site to create an organic journey through a series of spaces with very different uses.

In order to be sympathetic to the site whilst taking a monumental stance, a subtle palette of natural materials and finishes have been used in conjunction with the existing buildings of White Bay Power Station.

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Studio Tutor: Cushla Mcfadden

Pictured

1. Pump House co-working hub, circulation stairway
2. Restaurant precinct dining pod
3. Co-living apartment reception



DINE

This project proposes a cultural hub that celebrates the basic human necessity to eat. Food and beverage remains a common interest for all people throughout Australia and worldwide. DINE is a project designed to celebrate the huge culture for dining that we have in Australia, and draw attention to many wonderful homemade products we have to offer.

The design explores a juxtaposition of organic forms to very straight, rigid structures. The organic forms represent the natural growth of vegetation, where the harsh straight forms interrupting the flow of the organic represent human intervention in food production. We add excessive amounts of chemicals in order to preserve our food that it can become unhealthy to eat, particularly in the long term. This project aims to highlight this issue as well as promote clean eating. The organic forms are typically clad in organic materials such as marble and timber, whereas the rigid forms are constructed from engineered materials such as Corian, glass and steel.

In scattered areas throughout the site, there are proposed organic herb and vegetable gardens which are used by the chefs in the production of the food, as well as forming an environment full of fragrant greenery which patrons can immerse themselves within.

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Studio Tutor: Chee Lam

Pictured

1. Open kitchen and sushi bar
2. Rooftop cocktail bar
3. Open studio



H2O

With the aim of making Sydney a more vibrant, connected and healthy city, H2O seeks to transform the White Bay Power Station into a joint water recreational and allied health services facility. An amalgamation of these two typologies aims to encourage a healthier way of life while promoting the importance of work-life balance for the community.

I hope that the space will create a relevant and revitalised response to the rising awareness of healthy work life balance. Research into the chemical make up of water has revealed many health benefits on all five of our senses in each of its chemical states. As a result, I chose to base all activities undertaken within the White Bay Power Station on the gaseous, liquid and solid states of water. In doing so, Sydney will be able to grow in the direction of becoming the next unique and vibrant city.

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Studio Tutor: Dr Sing d'Arcy



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3

COEXIST

Sydney Community Art Centre

After thirty years of human absence, the native flora began to reclaim the iconic industrial landmark. This conflicting yet harmonious scenery inspired the idea behind COEXIST. As a multicultural city, Sydney has always been a place of 'coexisting'. People from various background come together and have conversation. I decided to introduce 'Art' into this industrial site because art has ability to cultivate expression between different culture regardless of barriers. Sydney Community Art Centre is proposed to provide a place for local artists and residents to meet, communicate, create, see, contemplate, linger and stay. Architecturally, a new modern structural system is proposed to be installed throughout the industrial site, to celebrate a form of coexisting and interacting.

The Sydney Community Art Centre will be a combination of art galleries, exhibition venues, studio/workshops, community spaces and dining/retail spaces. It homes to a wide variety of local artists and residents. The Art Centre is a meeting place where people from all walks of life can come together to experience and enjoy the art. A large open creative space is included at the exterior of the site, to provide views for artists and visitors to get inspiration and contemplate in order to create. In term of material, contrasting materials are widely used such as bright and dark, natural and industrial, to celebrate the idea, COEXIST.

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Studio Tutor: Dr Sing d'Arcy

Pictured

1. Open creative space and workshop
2. Contemplative space and restaurant
3. Man-made vs. nature



Project Ruin

As the city of Sydney transforms itself into the modern city of the world, new structures are constructed while existing ones are refurbished. Project Ruin aims to promote the White Bay power station into a cultural learning space that utilises knowledge, inspiration and application leading to the invoking of risk taking.

It is aimed towards young adults and other individuals that allow them to explore one of Sydney's historic buildings whilst also providing an urban exploration ground that aims to educate and enlighten their understanding of the ruin environment. The space aims to evoke curiosity within the audience as they explore and expand their sense of risk perception and appreciation of such rare structures that are still accessible.

The user is able to grasp the entity of the space through discovery and learning of what the space has to offer. What better way of learning than through experience.

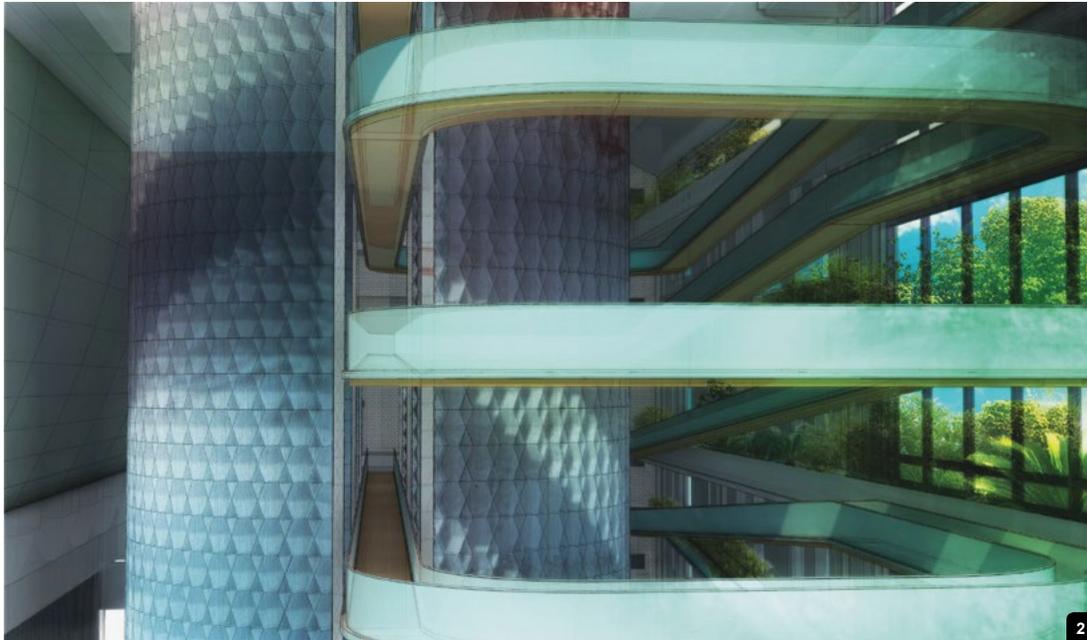
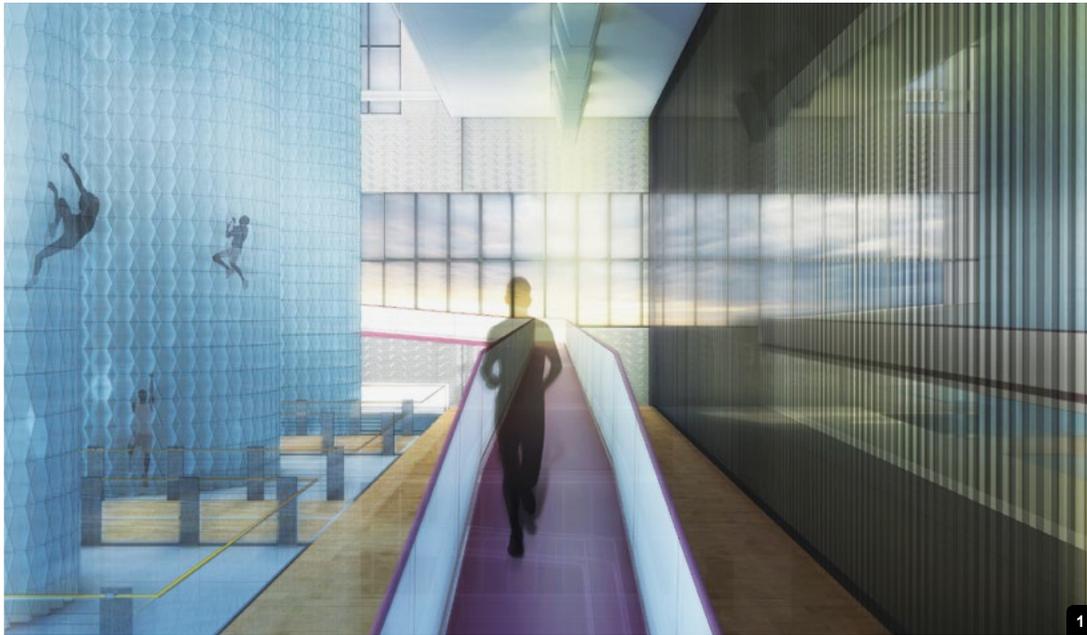
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Pictured

1. Outside perspective
2. Museum circulation
3. Visual environment space



R.E.

White Bay Power Station redevelopment project

White Bay Power Station (WBPS) has served the city of Sydney well in the past decades. It made great contributions to Sydney, however its previous technology also contributed to the large environmental issues associated with the production of power through the burning of coal. Therefore, I propose in the next 30 years WBPS should be reborn as the 'R.E. Centre' – the R.E. Centre represents a rebirth for the WBPS. The main function of the site will be a library and vertical gym.

Taking advantage of the scale of the existing buildings' high ceilings, the gym will house a dramatic indoor rock climbing and running facility. The library and indoor climbing facilities are woven together through the R.E. Centre utilising an indoor bridge system to connect the reading spaces and gymnasium and climbing facilities.

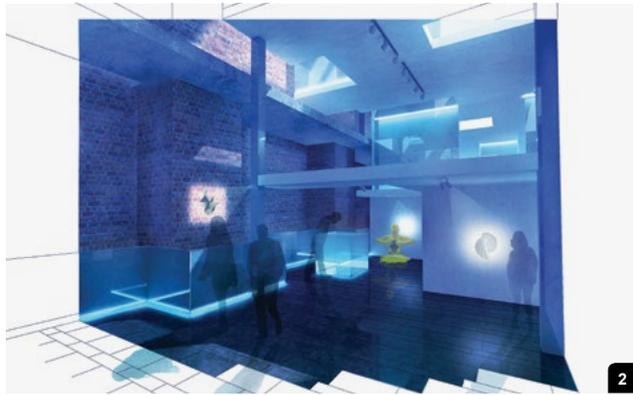
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Pictured

1. Early morning at R.E. Boiler House
2. Activities in R.E. Boiler House



Creative Clusters

Creative Hub for WBPS

Today, cities around the world are distinguishing themselves through the development of its creative culture. However, the city lacks a large space, in which to facilitate and sustain creative growth. What the city lacks is a network of art and film production spaces, gallery spaces and creative business offices; an iconic Creative Hub. This Creative Hub is to promote cutting edge and experimental art and film to celebrate contemporary art in order to further develop the city's creative culture.

Creative Clusters is a Creative Hub which houses a collaboration of studios for the production of cutting edge and experimental art, gallery spaces, cinemas and creative business office spaces. The design intent for this project was initiated by looking at the existing site in detail. In such a large site, it was easy to see how clusters were formed throughout the site evident in clusters of machinery and condensed spaces.

Spatially, the clusters of spaces emerge out of the rustic existing site creating a provoking contrast with the old and the new. The clustering effect of spaces within large walkways incites a journey driven by curiosity and wanderlust, where the visitor discovers each new space.

The materiality is the locus in this design. Here, the colour scheme was derived from the inverse of the existing materiality of the site. Juxtaposing the old to the new, the design palette has flair, yet respects the materiality of the existing site. Also, there is an exploration of colour and light in how it creates atmospheres and demarcates spaces.

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Studio Tutor: Chee Lam

Pictured

1. Reception entry space
2. Gallery space
3. Open cinema space



HOCA (House of the Creative Arts)

The proposal to revitalise the abandoned White Bay Power Station into the House of the Creative Arts (HOCA), provides Sydney with the ability to elevate its global reputation, enhancing the educational, cultural and communal elements within the city. HOCA attempts to stimulate Sydney's innovative and cultural reputation through the creative arts, housing a variety of programs from private educational and art-making facilities, to engaging social civic spaces. It will become the new platform for artists, creators, and all manners of creative people, providing them with an opportunity and place to cultivate their creativity. HOCA will act as a hub for the public to be completely engulfed in the creative arts and transform the bay's precinct into a dynamic arts district. Collaborative studio spaces, private and public workshops, art exhibition spaces, an outdoor theatre, art markets, and innovative dining experiences are just some of the exciting programs HOCA has to offer to the people and tourists of Sydney.

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Pictured

1. Art exhibition space
2. Reception
3. Artist hall



Reconnect

The name of my project is Reconnect. I am proposing a social hub, which includes museum, hospitality, retails, community garden and theatre. My future vision is to create a connection and collaboration between the community and the White Bay Power Station, creating a diverse and exciting space with an extensive access in order to benefit the community. The aim of the museum is to document the history of White Bay Power Station – how its typology transforms throughout the year. The community garden will allow a more active and healthy living style for a rapid growth of population within a dense area like Rozelle. The communal function of the museums and community garden will provide different activities and increase the living condition of the residents mentally and physically.

Studio Tutor: Chee Lam

Pictured

1. Staircase
2. Museum interior
3. Handrail detail

White Bay Arts District

Drawn from the research and understanding of the site, this project aims to restore its history, and providing a place of learning and creativity for social and cultural interaction. The proposed White Bay Arts District aims to rejuvenate the local Rozelle community by integrating an art museum, theatre, bar and restaurant into the existing site. The project vision for the White Bay Arts District is to create a sustainable and activated creative arts precinct that supports and nurtures Australia's home-grown talent, culture and creativity. It will be a platform for Australian artists, performers, and creative workers to come together in unity. It will be a setting where audiences meet the magic of history, creation, art, music, dance, theatre, and food. The alterations have been designed to be sympathetic to the existing structures and the heritage value of the site. The reading of the surrounding envelope of the existing building has directly influenced the remodeling of the power station. The new insertions were placed within the space that conformed to the rhythm. An important aspect of the White Bay Power Station is an 'assemblage of parts', all industrial and utilitarian. In order to retain the sense of industrial layering of the site, a collection of objects were arranged in a series and strategically placed within the building, creating a series of different experiences and providing a sense of balance and strength. The orderly positioned elements encourage visitors to move from one room to the next, to circulate in a composed manner while appreciating the quality and character of the power station.

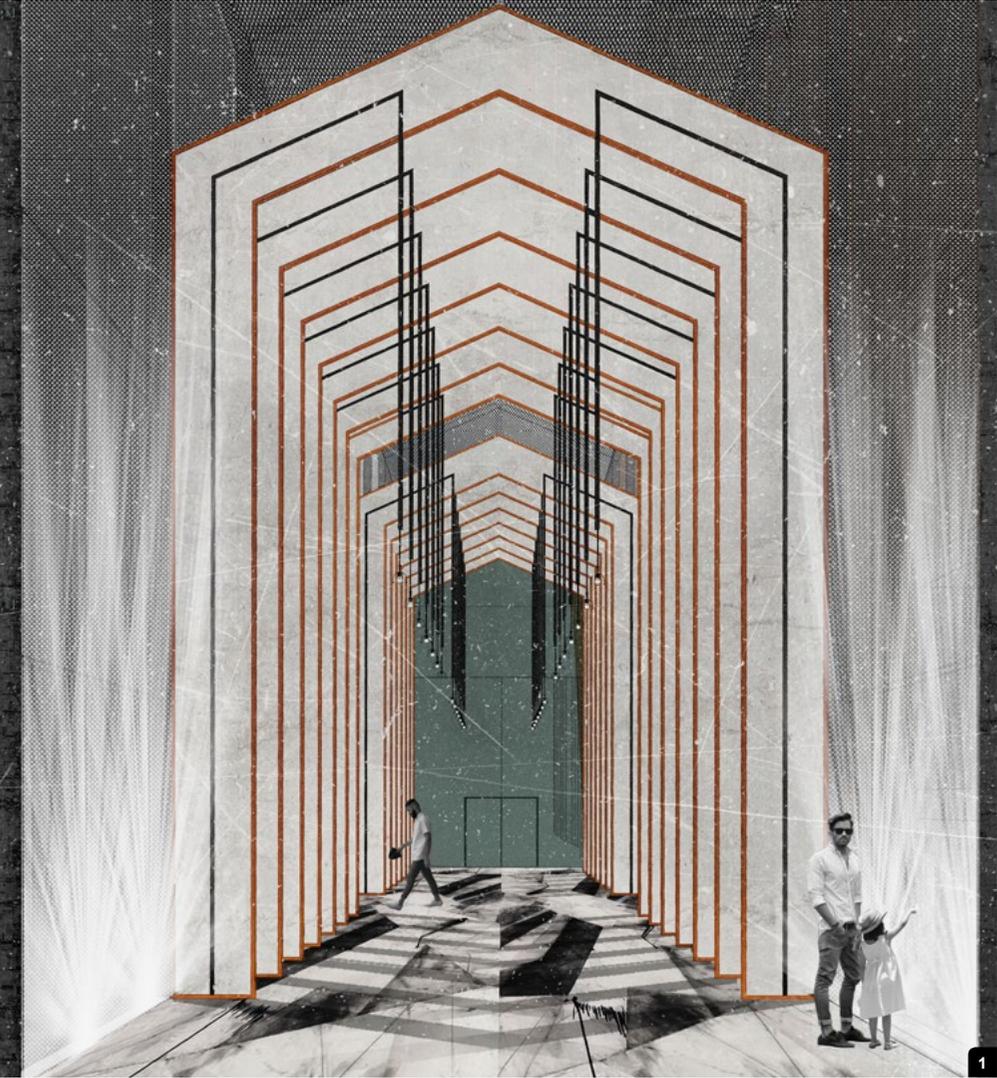
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Pictured

- 1. Corridor
- 2. Bar and restaurant





1



2

Symbiose

White Bay Horticultural Complex

The Symbiose project transforms the site of White Bay Power Station into a horticultural complex that is vibrant, active and barrier-free. This horticultural based rejuvenation of White Bay incorporates unique strategies to improve the quality of life for people in an urban context, dedicated to benefitting the physical, mental and social wellbeing of all visitors. The revitalisation has been founded on the research surrounding loneliness and mental health as key concerns of the local community, as well as big cities globally. Spaces proposed in this project utilise the beneficial qualities of horticulture, combined with creative expression, to create positive environments that will stimulate and improve the wellbeing of people of all ages, backgrounds and abilities. The main spaces proposed in this scheme utilise landscape features, combined with the contrast of large open voids and small, intimate spaces in order to take the mind and body to new sensory realms. Each space has been designed to explore multi-sensory experiences in a different way, where sight, smell, hearing, taste and touch have been integrated to create unique spaces rich in atmospheric quality. On a local scale, Symbiose will bring about a renewed sense of community and cohesion between people and their relationship to place. On a global scale, this substantial public health intervention strategy will attract visitors from all over the world, not only bringing the local community closer together but also bringing the world closer to White Bay.

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Studio Tutor: Dr Sing d'Arcy

Pictured

1. Tropical glasshouse interior
2. Landscape gallery exhibition



White Bay Vertical Green Centre

The design of White Bay Vertical Green Centre explores the relationship between industrial remains and the natural environment. The new design proposal consists a cooking school, a fine restaurant and a series of fresh food market spaces. Natural elements were introduced into these spaces and integrated with existing concrete and rusted metals. The existing transforming alley space was manipulated into a semi-open space and dramatically illuminate the interior space with natural light.

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Studio Tutor: John Gounios

Pictured

1. Exterior entry
2. Cooking school operation room
3. Cooking school lobby courtyard





White Space

The White Bay Power Station has sat derelict for over 30 years as a statement of built form against the continual advancement of modern society becoming an introvert within a connecting communities of art, design and history. Its formidable yet fragile form creates the perfect opportunity become bridge between its imposing purposeful introverted past as a power station and connecting to the present fluidity and flexibility of contemporary society. White Space reactivates the Power Station, balancing between its fragile heritage within and its solid form through the design of a creative commune.

White Space delves into the notion of permanency and stability by challenging the existing imposing presence of the White Bay Power Station. Its interior purposefully juxtaposes the solidity of the existing through allusion of spatial and sensual ambiguity. The dialogue formed between the forms of the existing and new insertions evoke and highlight the creativity is produced within. The play on transparency and lightness of space through fabrics against the towering machinery scattered throughout the building creates a sense of mystery and curiosity as one would have towards art and design. The delicacy of linen, cheesecloth and voile used to frame spaces defy the sense of permanency which are often connoted to power stations and galleries. Large voids throughout the circulation areas and gallery spaces invites natural light to flow into previously dark spaces diffusing the distinction between interior and exterior creating a serene calming atmosphere into the creative spaces.

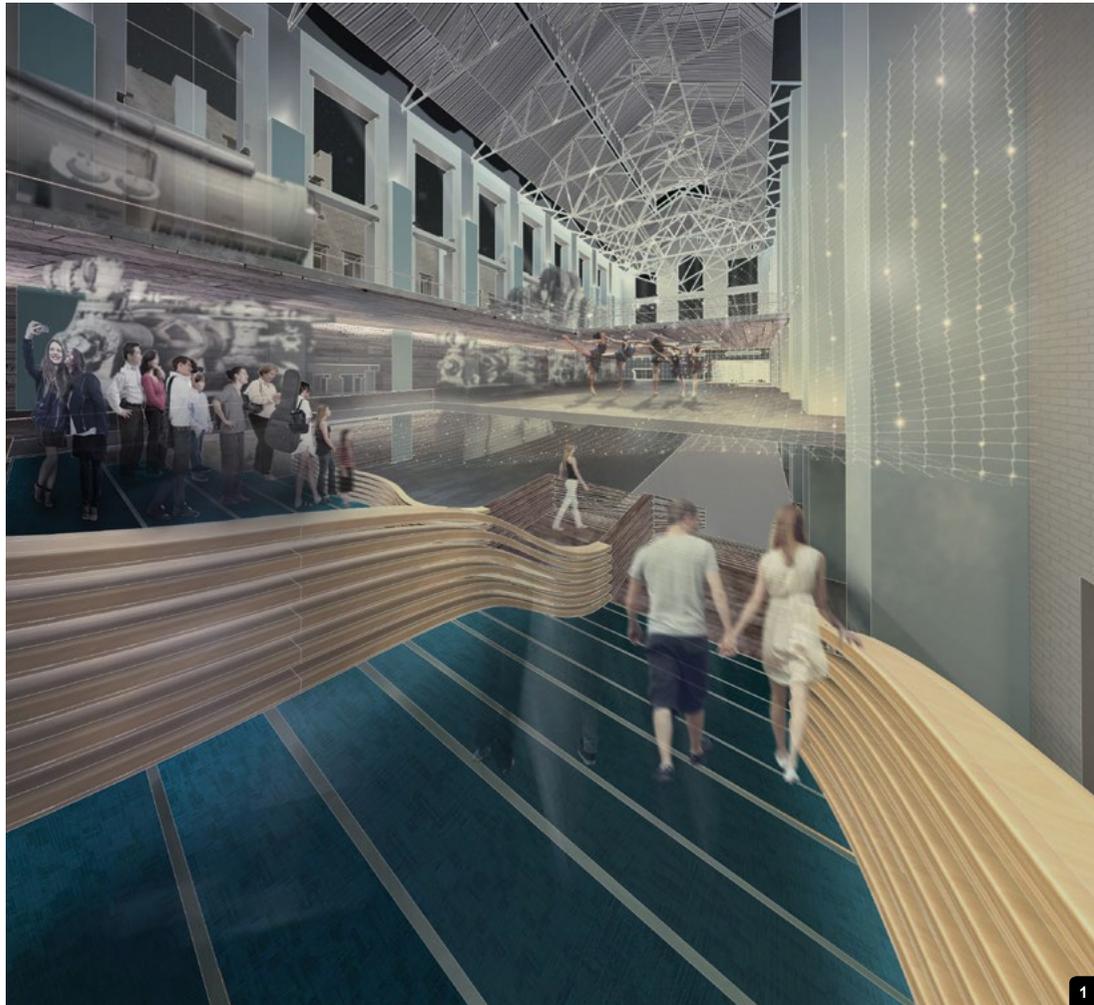
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Pictured

1. The Prelude: entry into WBPS
2. Reception and contemplation
3. Creative collective: a temporal gallery space
4. Creative workshop



1



2

Aura Centre of Experimental Music

Aura Centre of Experimental Music is a convergence of the past and present aura and sounds which the White Bay Power Station has embodied in its lifetime. The original aura of the power station is maintained, but emphasised by delicate insertions which shape themselves around the existing structure and machinery. The existing building was interpreted as a machine for machines, as dictated by the existing floor plans.

This proposal seeks to revitalise the building into a musical instrument within itself, where the spatial forms and atmospheric sounds are produced by human interaction. The proposed journey is shaped for an individual experience, where one's self-awareness in the space is vital. The manipulation of vertical and horizontal planes inform the musical journey, from staggered sound-producing floor plates, to manipulation of rotating walls, and a breathing concert hall.

A 280-seat floating concert hall occupies the Boiler House, with a flexible hydraulic lift and breathing acoustic wall. A musical workshop space, appropriately named 'musicians deployed in space', is exactly as the name suggests. This is located at the end of the existing Turbine Hall, and is shaped by the existing structural layout of the space, and dangling over existing machinery. A heavily copper-cladded bar is located in the Switch House adjacent to the musical workshop spaces.

The selection of materials is a re-interpretation of past and current music conservatorium. The materials and finishes are gathered from the site with a contemporary twist, or coupled with a contrasting but complimentary material.

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Studio Tutor: Cushla McFadden

Pictured

1. Main circulation space, multi-functional staircase
2. Entrance, gathering of natural sounds

aura

Centre of Experimental Music
within the White Bay Power Station



RENEW

RENEW is an urban wellness hub focusing on the improvement of mental and physical wellbeing. The proposed hub is opened to the public, with a variety of typologies available to promote a healthy mental and physical state. These include a market hall, indoor aquatic centre and contemplative spaces.

With health and wellness as the theme of this project, a bicycle route has thus been proposed. This circulates within and around the hub, providing a different view of the hub as well as encouraging exercise.

In hope to present a calm and refreshing environment, RENEW has used a neutral material palette. While the materials have been repeated throughout the proposed typologies, its treatment and finish has been carefully thought out to differentiate spaces and assist with direction.

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Studio Tutor: Cushla McFadden

Pictured

- 1. Main reception
- 2. Bicycle circulation route
- 3. Market hall

Gantry Performance Centre

Gantry Performance Centre is designed to become the artistic core of Sydney in light of the fact that the Inner West is culturally driven by art and performance. The proposal responds to the diverse community needs by offering a centre for the combination of arts and offering a place for the community to explore their creative side. The project aims to bring energy back into the neglected power station of White Bay. Functioning as a combination of galleries, theatres and hospitality, the theatrics of scale of the spaces add drama to White Bay Power Station. Referencing the existing materials and machinery as the name Gantry suggests, the theatrical nature of spaces are emphasised by pushing the scale of ceiling heights and the proportion of elements within spaces. The existing pump house forms a new entry at the centre of the site and the location of the proposed art gallery. White Bay Power Station will be completely regenerated, with theatres inhabiting the majority of the existing Turbine Hall and Boiler House, and a restaurant and bar in the coal handling shed at water's edge inviting visitors to stay and take in the location of a Sydney icon.

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Studio Tutor: Chee Lam

Pictured

1. Approach to gantry performance centre
2. Turbine concert hall
3. Coal handling shed restaurant and bar

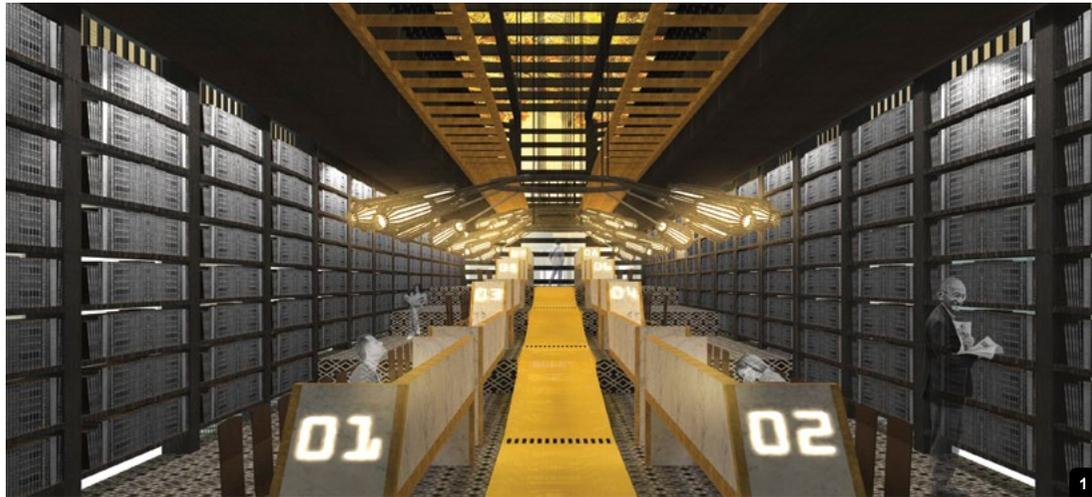


1



2

3



Forstelys

White Bay Power Station, as one of the first electricity generator in Sydney, brought light into the live of Sydneysiders. Regardless of the pollution it had produced in the past, it is an inevitable fact that it brought new lifestyle and innovation. It seems appropriate if in its rebirth phase, the building itself be bathed in light, and by light, it means both traditional and contemporary interpretation of light.

The title of the project, Forstelys, is a Danish word, which means 'first light'. The use of foreign language has been chosen as an analogy how the term 'light' has shifted from natural sunlight into artificial light. Current society spend their time living their life in the digital world and forgetting the importance of interaction with the real world. This project aims to invite the visitors to contemplate this concern for modern lifestyle and also to offer inspiration for great ideas through interaction with the real world.

Forstelys will contain historical development of lights. The Aboriginal use of fire to cook food and the industrial nature of the site will be interpreted as a Japanese sushi train restaurant. Light of the night sky is translated into planetarium. Books, as a symbol of enlightenment, are translated into a library dedicated to keep record of literature related to energy production and recent sustainable development, and also classic literature and storybooks that has becoming outdated. The other form of contemplation is through the gallery space, showcasing artworks such as paintings and sculptures.

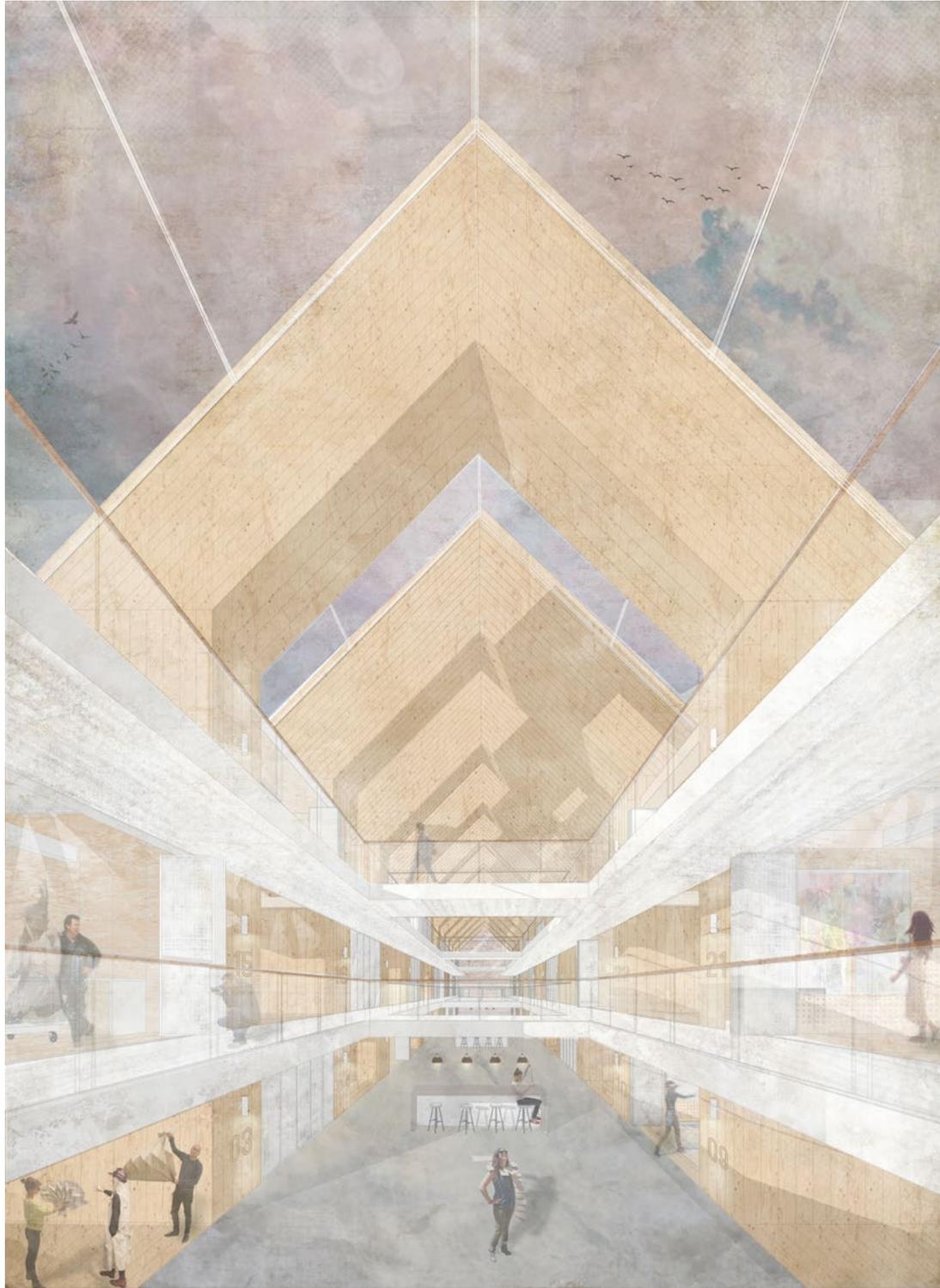
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Studio Tutor: John Gounios

Pictured

1. Turbine Hall library, ground floor
2. Sushi restaurant bar area, ground floor
3. Gallery exhibition space, Boiler House



Artist Turbine

The Artist Turbine serves to revitalise the now abandoned White Bay Power Station. The proposed precinct is a unique arts hub that works to foster creative thinking and link artists within the community. Symmetrical and balanced forms have been used to encompass the deep and narrow spaces that occupy the WBPS. The Artist Turbine is generating and promoting the visitation and recognition of local and international artists through the residency program. Its aim is to mark itself as one of the top artists' institutions internationally, due to its unique communal interaction between the creative arts and reliance on community involvement.

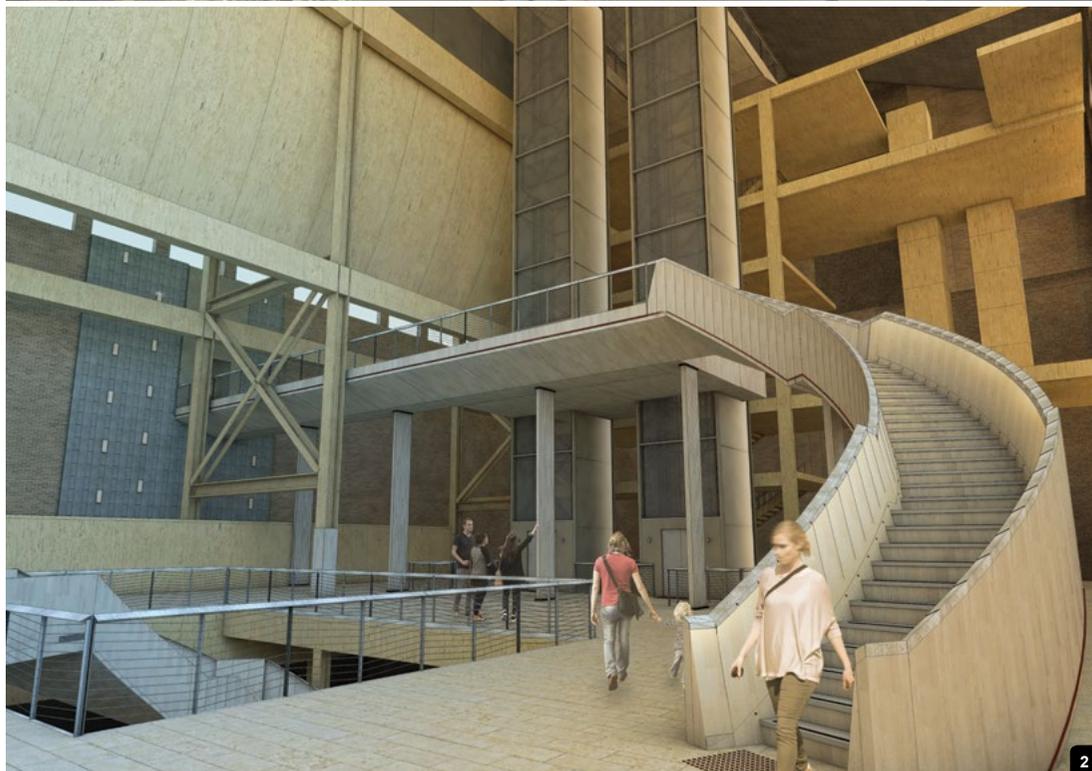
An environment to learn, create and inspire, the Artists Turbine key programs consist of creative studios, art and design library, gallery, wine bar, artist residence and sculpture garden. The key programmatic space of the creative studios located in the Turbine Hall is unique in nature due to its planning. Artists are allocated individually designed studios according to medium (sculpture studio, painter studio) which are alternated throughout the three floors. Speciality open creative spaces adjoin between these studios. The scattered placement encourages artists to be inspired by other artists and mediums. The private studios are encouraged to be opened up to create a more open productive environment. Oiled pine trusses frame the space to segment the private and communal. The public is encouraged to interact within these communal facilities.

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Centre of Agricultural Sustainability

The Centre of Agricultural Sustainability was developed through investigating the important role that agriculture plays in the environmental, economical, and social aspects of Australia. The centre educates the community in sustainable living, promoting a greater understanding of farming in Australia, enabling people to make conscious decisions about the food they purchase and consume. Making consumers more aware of agriculture not only benefits the consumer's health but has flow on effects that support farmers and Australia's future.

The centre creates a community hub which allows visitors to experience and learn about sustainable agriculture in a hands on manner. At the heart of the hub is an exhibition centre which provides learning opportunities for all ages. In support of this, the centre offers other programs that benefit the community through involvement, as well as a new hospitality sector.

Following the new international movement towards 'food design', the centre will also work closely with a university to offer new and innovative courses providing students with a world class education in the food industry, and other related sectors. The students involved, as well as established artists, help to keep the exhibitions up to date and forever changing by providing works for the centre.

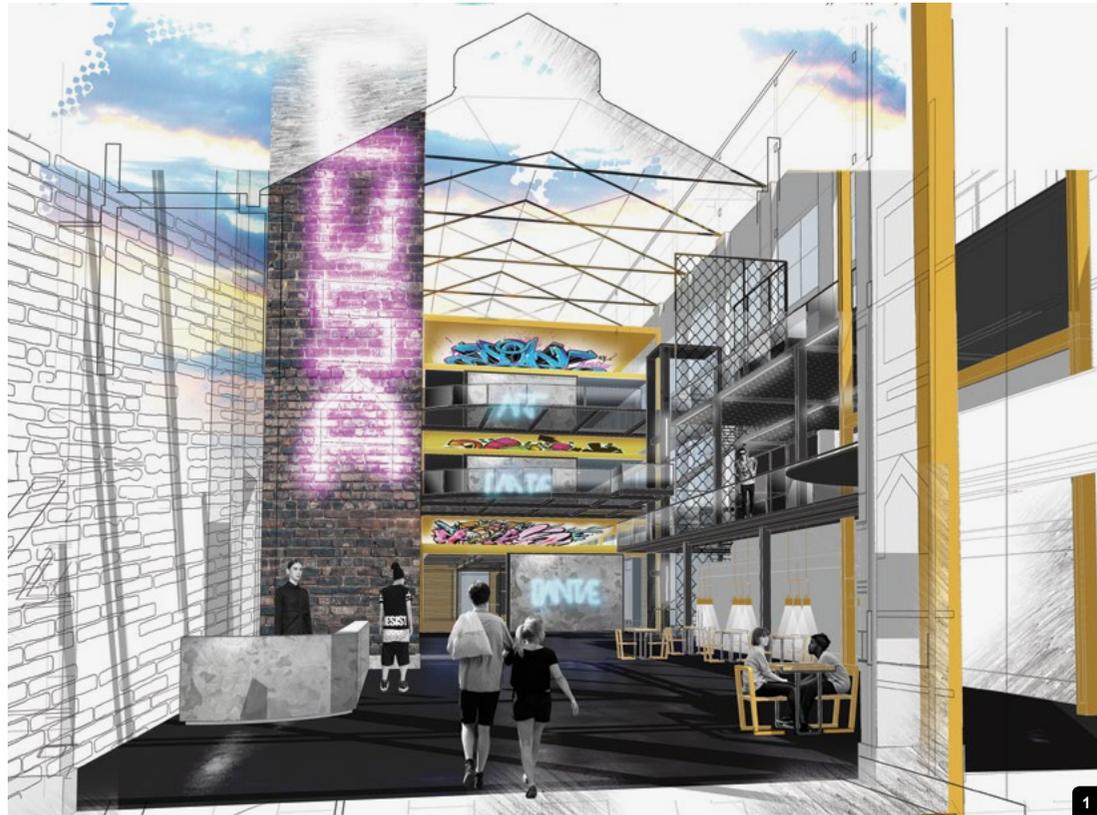
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Studio Tutor: Chee Lam

Pictured

1. Courtyard gallery
2. Gallery circulation



CUSA (Centre for Urban and Street Arts)

CUSA: Centre for Urban and Street Arts is a multiuse arts precinct that celebrates the heritage of the listed White Bay Power Station. The site modernises and adapts the 1920s structures to house various arts related facilities such as public art and dance studios, gallery/exhibition spaces, artist in residence accommodation, youth and wellbeing services and large outdoor recreation spaces which include an outdoor cinema and paintballing.

Upon arrival to White Bay Power Station via Robert Street, visitors are led to the main entry located on the northern façade of the Turbine Hall. Bypassing reception and street food stalls, visitors are transported into the beating heart of CUSA; the art and dance studios with surrounding chill out spaces. The verticality of the freestanding black and orange steel structures and mezzanine levels within the cavernous existing 70m tall building with new translucent roof are offset by vibrant coloured neon signage evoking a city scape and skyline.

The aesthetics of the CUSA proposal is inspired by the industrial nature of the site and inner city urban styling; through the insertion of new buildings within the existing, a small city is created with streets and laneways encouraging exploration.

The CUSA proposal is intended to be a sympathetic adaption of the history and usage of the site; it's of utmost importance that the historical features are maintained and highlighted for the preservation of its character.

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Studio Tutor: John Gounios

Pictured

1. Gallery/exhibition space
2. Dance studio

White Bay Uniting Precinct

White Bay Uniting Precinct is a redevelopment proposal for the white bay power station. WBUP serves as a gathering place which helps promote and celebrate Sydney's cultural diversity in order to promote tolerance, understanding, harmonious relations and mutual esteem among the different cultural groups and ethnic communities in Australia.

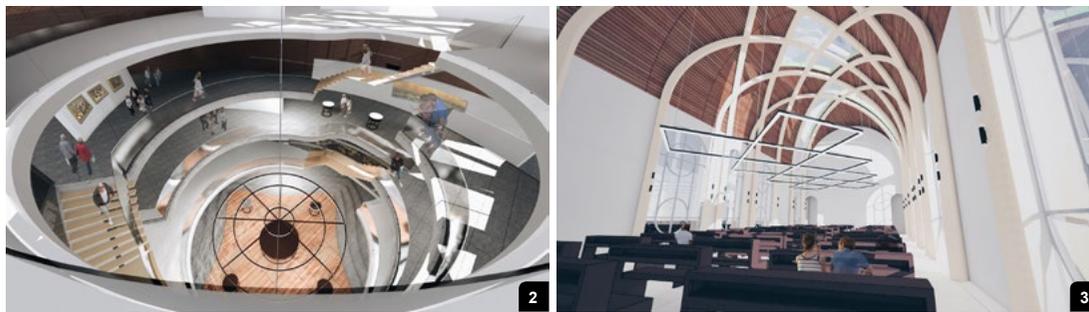
Research suggests diversity spurs economic development and homogeneity slows it down. Geographical openness and cultural diversity and tolerance are not by-products but key drivers of economic progress.

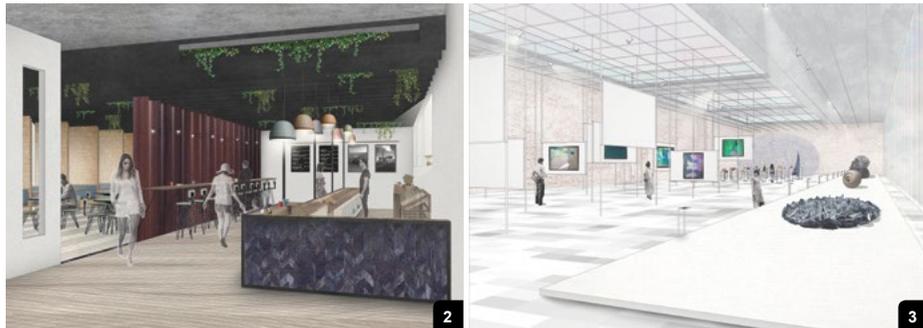
Subsequently, the three main areas include a food precinct, religious centre and an art gallery. All three typologies are a vital part of a community's strength. The design approach is governed by symmetrical geometries that have been asserted into the present fabric of each space. As a result, the characteristic of each space has been respectfully conserved to bond with the new work. This methodology helped give order, harmony, balance and an emotionally humbling experience to the scheme.

Studio Tutor: John Gounios

Pictured

1. Gallery podium
2. Circulation
3. Religious centre
4. Restaurant pod





RECHARGE

White Bay Centre for Creative Learning

The White Bay Centre for Creative Learning is a proposition that responds to the site's industrial heritage, White Bay's community needs, and the cultural interests of Sydney-siders and global visitors. The centre offers a dynamic range of mixed-use programs to tend to such needs of different groups of people, of which are anchored in technology and experimental learning. The major programs include a biomass power station, public and specialised research facilities, a contemporary and new media arts hub, combined indigenous and community gardens, and an organic café.

The centre's core focus on creative and experimental thinking, technological exploration, and social inclusivity, have been the main drivers for the designs of each key space. The design of each space is expressive of contemporary design and building processes, however, the existing architectural characteristics of the site and its buildings have been dealt with sympathetically, in order to maintain the site's significant historical qualities. Each individual space intends to convey a different story that combines an expression of the distinct program, a part of the individual building's history, and a relationship between new and existing work. Each interior offers a different tone and spatial experience for the visitor, and aims to express the dynamism and diversity of the programs offered at the Centre for Creative Learning.

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Pictured

1. Biomass power station
2. Organic café
3. Contemporary and new media art gallery



Motion

Motion is the name given to the Performing Arts Centre for the revitalisation of the White Bay Power Station. It is a centre that focuses on an identity for performing arts that provides programs and entertainment for all members of the Sydney community to enjoy. Motion focuses on providing a series of studio, rehearsal, dining and theatre spaces that houses all essential elements required for performing arts. The redevelopment of the Bays Precinct is aimed to generate a new appreciation for the heritage-listed site whilst still giving it a purpose that is significantly high in demand for Sydney's 21st Century community.

Motion is an integral part of performing arts. The elements of movement are viewed through a prolonged period of time. Without time, movement does not exist, it is merely a snapshot or stagnant point in time. My approach was aimed to underpin the essence of performing arts and how the elements can be broken down and interpreted through architecture. The exploration of motion was conducted through capturing movement through camera lens with a slow shutter speed. The result consisted of delicate, uninterrupted and unsteady images. Through the use of repetition and manipulation of form an interpretation of motion is created where the boundaries of stillness and balance are challenged.

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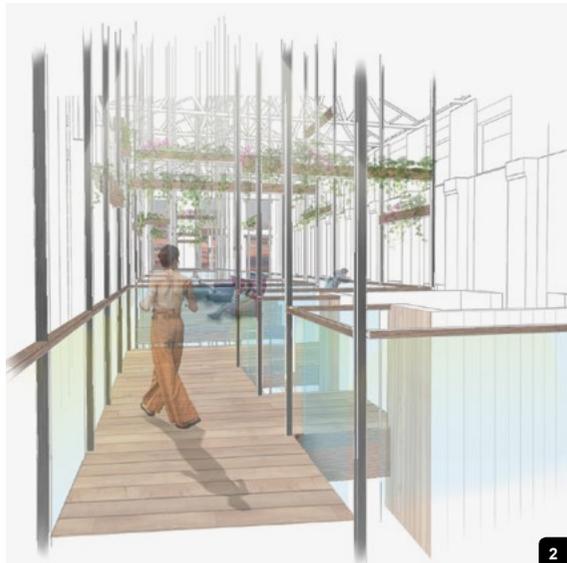
Studio Tutor: Chee Lam

Pictured

- 1. Retail/merchandise space
- 2. Performing arts theatre
- 3. Foyer/seating space



1



2



3

Urban Wellness Sanctuary

The revitalisation of the White Power Station sees the site transform into a dynamic urban hub focusing on all aspects of wellbeing. The Urban Wellness Sanctuary is the response to social issues relating to the growing global population. This health precinct focuses on local and international community participation both physically and mentally to foster healthier lifestyles and hence increases the overall quality of life. A well-considered approach has been taken to ensure the conversion of this historical site into contemporary context reinforces Sydney's identity as a model healthy city.

White Bay Power Station is envisioned to be a sanctuary of holistic living with easier access to healthier and sustainable choices. The site transforms into a green sanctuary that reflects Sydney's unique harbour foreshore landscape and vegetation in its compression and release spaces. The concept of water and vegetation is critical in this scheme, influencing materiality and light to give subtle nuance to the spaces.

The Wellness Sanctuary consist of programs to stimulate different areas of physical and mental wellbeing. A dynamic sporting complex with the capacity to hold recreational dance and gym facilities as well as competitive water and rock climbing sporting events. Short term accommodation is catered to travelling sporting groups and weekend getaways with an organic café restaurant-bar to match. A community learning hub and market hall will facilitate opportunities to develop artistic and culinary skills through available workshops and collaborative consumption conveniences and trading of creations.

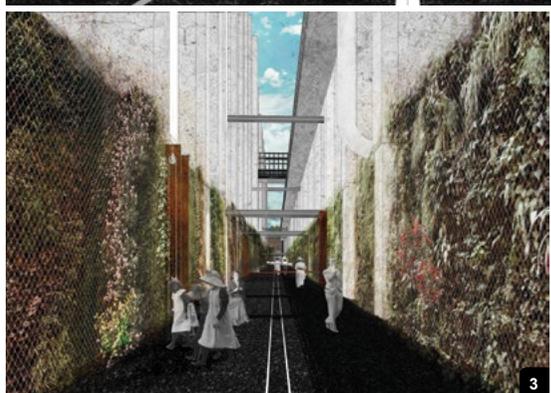
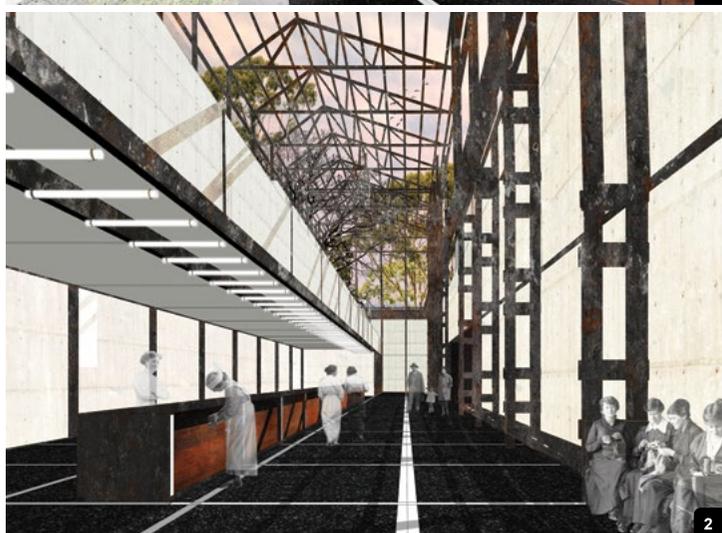
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Pictured

1. Turbine Hall transformation into sporting complex
2. Circulation experience
3. Entry into Turbine Hall



re:collect

The White Bay Power Station located in Rozelle has stood as a landmark to Sydney's developing city since its commission in 1917. Still standing after the World Wars, 21st Century advancements and the rapid growth of the city, the White Bay Power Station is now one of the last coal-power stations remaining within Sydney.

My proposal, titled re:collect, has been conceptualised through research into history, culture and the local community, which envisions museum, gallery, studio and dining spaces to activate the site. re:collect will focus on an artist in residence program that promotes indigenous practices as a vital role in education and cultural identity that will now be accessible to the local community. Through the introduction of lost archives of Sydney the Lost Histories Museum bridges the gap through the recollection (and reconnection) of the past while in the present.

With the site currently dormant with natural processes activating its surfaces, primary focus was placed on vegetation to bring life back into the site, this seen in the Remedial Alley – an alley which promotes indigenous remedies from original native flora. The site is centralised through human occupancy, and the way the interior environment can shape perception, creating a new parallel between site and community through the juxtaposition of languages, maximising site views, and encouraging visitors to learn from the past and be aware of their presence.

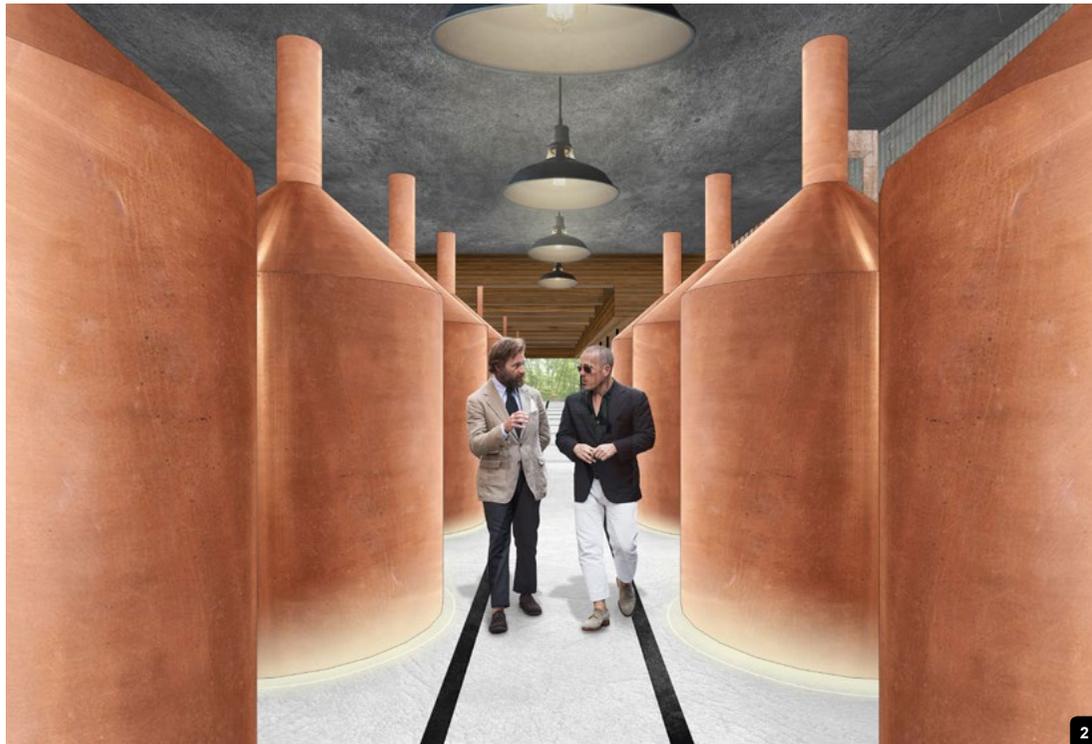
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Studio Tutor: Dr Sing d'Arcy

Pictured

1. Excavated main approach from Robert Street
2. Coal Handling Shed reception foyer
3. Remedial Alley in the Transformation Alley
4. Museum of Lost Histories diary exhibit



CYMATICS

Centre for Sound and Music Therapy

'Music is too much fun to be left to the talented few' – Chris Belshaw

The Centre for Sound and Music Therapy focuses on inspiring and educating the community by engaging people of all ages to create sound and music through the various architectural interactions on site. White Bay Power Station brought life to Sydney for most of the 20th century through electricity and has the potential to provide a new vibrancy to the community. This proposal uses sound as a medium for promoting human connection and healing, reinterpreting the sites former character and use into a Centre for Sound and Music Therapy, offering a sound and cymatics gallery, music therapy and education spaces

Cymatics, from Greek: κύμα, meaning 'wave' – 'the study of sound waves, and their visual representations'.

The interactive sound art gallery inspires the community through new, different, and possibly unconventional sounds being discovered in the exhibitions. With this, it not only influences the students in the music education centre on site, but also presents intrigue to visitors with little musical background, giving them the opportunity to participate and create music and sounds through the interactive sound art. The proposal intends to bring people together of all ages and abilities to experience the mesmerising qualities that cymatic exhibits have that is unique against traditional exhibitions. With new hospitality spaces on the site, White Bay Power Station is activated by way of interaction during both day and night facilitating opportunities for breathing new life into Sydney.

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Pictured

1. Cymatics gallery exhibition
2. Brewery entrance



The 'AU'

The White Bay Power Station has remained as a prominent icon and historical relic for the community of Balmain and the City of Sydney. As the area and city has developed and gentrified over the last few decades, the status of the power station began to decline, allowing decay to grow and memory to fade. This project was to not only revive the power station's grandeur presence but to reinstall its purpose and function into one that assimilates to the needs of the community, now and in the future. My proposal for the power station is to reinstate it into a sports and recreation centre. The proposal was an answer to the gentrification of young families and couples within the Leichhardt/Balmain area. Due to the overgrowth of people, a domino like effect has triggered issues on the health and welfare of the surrounding communities. With a severe decline in open spaces, the existing parks and sporting fields have become 'over-used' too quickly, making the maintenance of them a financial burden for local council and city. By allowing the power station to transform itself into a sports centre, it will become a landmark for healthy living and social equality, not only for the current generation but the future as well.

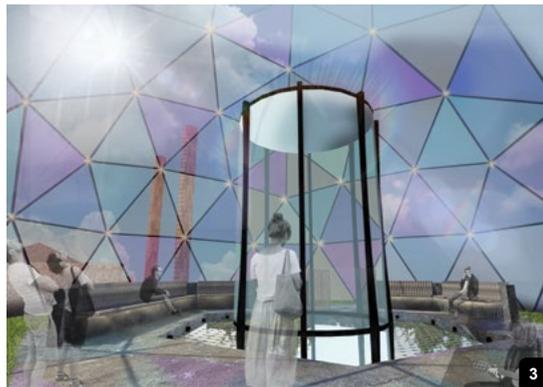
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Pictured

- 1. Reception space
- 2. Bike locker space
- 3. Walkway to swimming pool



brE.A.The

The project name, brE.A.The, stems from the central green and sustainable theme incorporated within the design of the different programs as well as the major food component located at the heart of the White Bay Power Station.

The aim of the project is to attract mass amounts of people to the site which will ultimately be a gathering hub for social interaction and a place that promotes physical activity and wellbeing. This response addresses the need for more places that encourage healthy living as there is a growing concern for deteriorating mental and physical health in developed countries. This civic space will act as an urban 'green escape' that will contrast against the rapidly expanding Sydney CBD and allow residents to take a step back from the fast pace of city life. The proposed scheme synthesises scientific research of renewable energy and the social programs to not only develop a proposal that benefits the immediate public but also contribute to the development of sustainable energy globally.

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Pictured

- 1. Aquatic centre
- 2. Reception
- 3. Indoor garden lookout dome



VIBRANCITY

With the aim of making Sydney a more vibrant, connected and healthy city, the White Bay Power Station will be transformed into a 24-hour accessible Urban Playscape and Knowledge Centre – the first of its kind on the shores of Sydney.

The Urban Playscape incorporates indoor and outdoor play facilities catering to all ages, seeking to engage all the senses. A wide spectrum of play outlets – from virtual reality rooms all the way to gross-motor stimulations – provides engagement to the large variety of interests within the community. Through this, the collaborative nature of play is encouraged, providing a platform on which the locals and visitors alike may come together to enjoy.

Likewise, the Knowledge Centre is designed to appeal to both young and old, bringing the community together in collaborative learning within its extensive library. The Knowledge Centre is also designed to service all members of society through a wide variety of facilities, including conference and study rooms as well as studios and creative spaces.

Through these carefully designed outlets, VIBRANCITY seeks to respond to the local community, Sydney City, and the existing site in a manner that will encourage a healthier lifestyle and a greater focus on work-life balance, as well as to facilitate Sydney's growing night-time economy.

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Studio Tutor: Dr Sing d'Arcy

Pictured

1. The Turbine Hall as an indoor playscape
2. Massive trampoline rooms provide fun for all ages



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code: creative

code: creative, aims to revitalise the once abandoned power station through the constant production of renewed creative energy. Derived from the study into today's push towards 'STEM' education (Science, Technology, Engineering and Maths) identified that the lack in Arts education is 'schooling' people out of creative thinking and the problem-solving associated with such skills.

My proposal elevates the notion of creativity to an important significance, using vaulted ceilings and detailed codes, as a motif for a precious, preserved environment. The station will be transformed into a creative domain where numerous creative learning workshop spaces (ranging from culinary skills to performance), performance viewing spaces and hospitality facilities will all be interconnected through a performers and chefs in-residency program. These creative professionals from all over the world can take over the space, be it the performances or restaurants, while simultaneously teaching the classes on offer. This structure establishes a presence of impermanence, encouraging new creative energy to be constantly generated.

The visitor is the heart of the project, whose creative experience is activated from entry to exit. Although creative engagement is intrinsic to learning spaces, it is absent within a typical performance watching or dining situation. These two typologies traditionally limit visitors to the role of receivers where they either sit passively in their seat viewing a performance or choose an item off a menu and then wait for it to appear in front of them. My proposal explores how the interior environments of these typologies can be re-thought to have greater impact on the visitor's creative engagement.

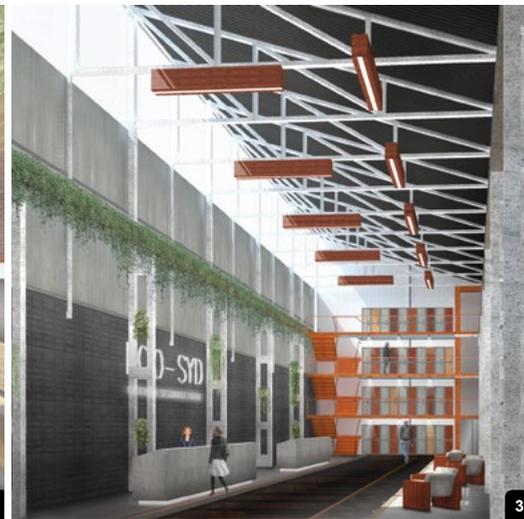
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Studio Tutor: Cushla McFadden

Pictured

1. Approach to code: creative
2. Culinary school
3. Circulation space



ECO-SYD

ECO-SYD (Eco-friendly Sydney) was developed to tackle the most alarming issue facing the 21st century: climate change. White Bay Power Station is seen as ideal because of its considerable size and close proximity to the city. The sustainable centre aims to educate, inspire and celebrate sustainable living through its various programs including an exhibition space, collaboration space, conference hall and community garden. The design seeks to apply the most sustainable design solutions and spark the sense that sustainable living is exciting and fun. The design intervention includes the insertion of new structures that enhances the original character of each building, whilst creating a new story to the site. The rustic and dark power station will be transformed to be an exciting and vibrant space, allowing it to become a prominent educational institution in Sydney.

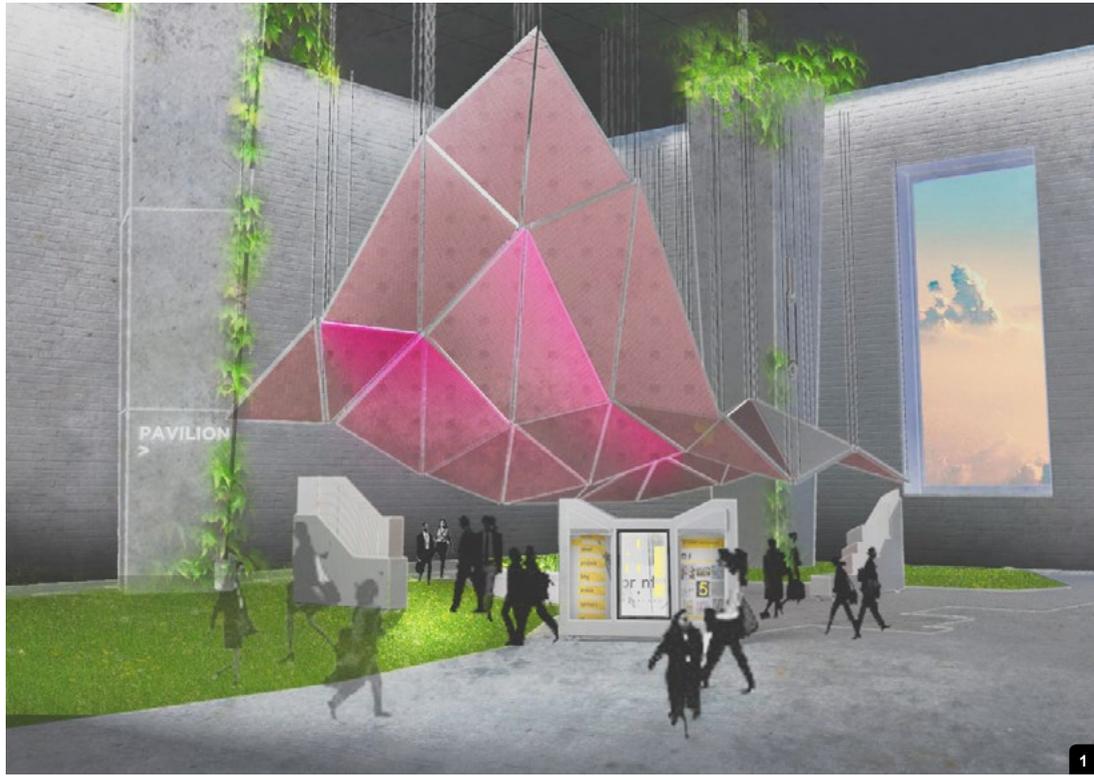
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Pictured

1. Sustainable collaboration space
2. Organic raw vegan restaurant and bar
3. Information centre



REVIVAL

Over the years as a matter of operation, WBPS went through a process of building and tearing down. The construction of large new structures in turn triggered a parallel growth of corridors and alleys forming in-between. This systematic and purely functional evolution gives room for an organic co-existence that seems to thrive on its own long after operations have ceased.

What could an interior designer bring to the table for a development site of 90ha which could potentially act as a pivotal point for Sydney city? How does one answer the need for a modern interior-scape while responding to the site's nature, filled to the brim with artefacts and history at every narrow stairwells and every column? How could a building once used to house machinery be adapted for people?

Gradually the answer began to emerge, as simple as the problem was complex: the quiet negative space would be overlaid onto all six buildings, creating new paths and openings to existing roads for public access. Where these paths lie, greenery crawl up new concrete structures that follow the formation of existing columns and beams like a dialogue. This would go on to serve as the planning strategy that guided the series of creative interior spaces, working towards a vibrant and sustainable 21st century city.

Guided by the form of a negative space corridor and the complex internal structures, this is a project about bringing life back into WBPS through an injection of life that has always existed.

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Pictured

1. Hanging pavilion space
2. Schematic plan: new columns and entrances
3. Interior dwelling space/main entrance



Lifespace

A precinct for health and wellbeing

The issue of sustainability has been very popular, yet human sustainability is often not being the top priority when being compared to environmental sustainability. Lifespace seeks to offer urban population a recreation facility where they can escape from their daily lives while also restoring their health and wellness by improving their lifestyle habits. This is supported by the programs offered, which encourage healthy eating, physical activity and relaxation. As WBPS has previously caused numerous health issues for the community, it is time for the site to give back and restore the damage it has caused. Furthermore, Lifespace seeks to offer WBPS the opportunity to become the new symbol of Sydney, a city that is future-oriented and sustainable.

In order to encourage visitors to improve their lifestyle habits, it is essential to first make them aware of its importance. Therefore, the project is driven by the idea of creating awareness, providing education in relation to health and wellbeing and finally applying the healthy lifestyle habits. A visit to the site can be seen as a journey from being in an inhumane, unhealthy space to the one that is very humane and supports healthy lifestyle. This idea is supported by the design language, especially scale and form, choice of materials, and the type of programs available. The new insertion also draws reference back to the previous use of the site as power station by amplifying the original characteristic of the buildings.

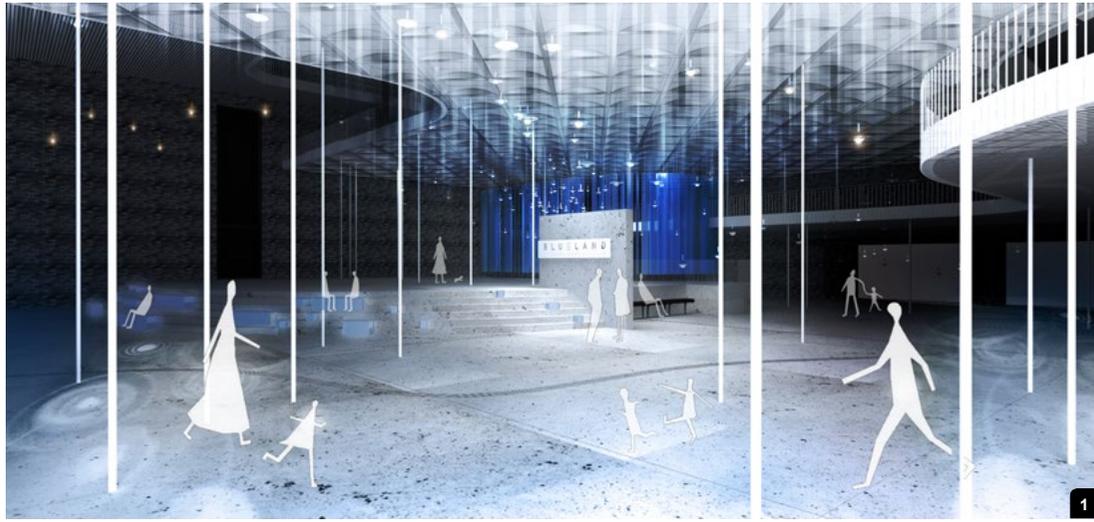
Contact

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Studio Tutor: John Gounios

Pictured

1. Main entrance located in Turbine Hall
2. Native plant herbarium display and garden
3. Mediterranean café (left) and bath house (right)



BLUELAND

BLUELAND of the White Bay Power Station is the first vision to the Australian new marine energy research and art village. Future-oriented and technology-driven, it marks the beginning of ocean energy research and developments in New South Wales. This scheme aims to foster new ideas and develop a sustainable community by exposing the public to scientific and artistic works. BLUELAND provides an open dialogue between the scientist, the artist and the community. The project explores the realm of communal versus individual through open planning, structural lightness and material transparency. The design draws inspiration from the flowing nature of water. Water, as a theme, breathes new life into the building, actively encourages the community to play, to learn and to be inspired. The interior is choreographed so that one through a universe of wonders where science and arts collide. The programs include a regenerative sun-field, performative science labs, artist studios and a holographic bar/gallery.

Contact

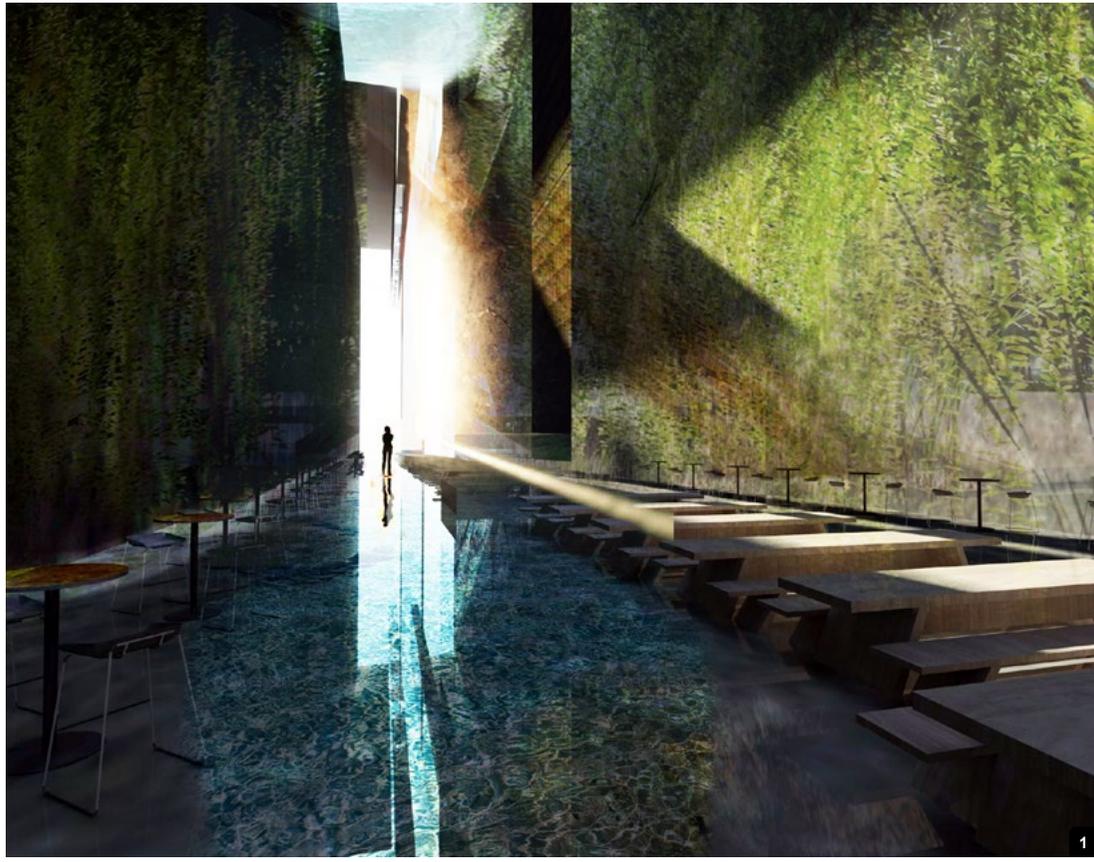
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Pictured

1. Arrival at Artist Village
2. Holographic bar and gallery



Earth-en Oceanic

Earth-en Oceanic adaptively reuses White Bay Power Station as an interactive earth and ocean observatory and tracking facility. The proposal can be viewed as partly liberated from the heritage parameters of the existing site. This occurs through the architectural approach of large scale excavations in sections beneath the existing site, including at the site of the demolished Boiler House 2. Excavation is the most significant device adapted within the scheme in order to connect the architecture to the earth and draw upon its purpose as an observatory. Ample filtering of light and water into the regions below ground level via the roof structure, waterfall features and open voids allows for introductions of landscape features including tree plantations, in order to create an atmosphere of serenity and mystery. This separates the visitors from the cityscape and transports them into a tranquil retreat posing similarities to a rainforest.

Live camera footage and visitor controlled tracking systems exploring the depths of oceans throughout the world and some of the most untouched earth Australia and the world has to offer allows for non-threatening and educational viewing and monitoring of remote environments and earth processes. Streaming of satellite imagery and earth tracking from space through projections, in addition to dive tanks with marine life promotes interaction. Discoveries and imagery collected from the onsite observatories, in addition to data from satellites, The Great Barrier Reef and the flora and fauna will be assessed onsite by the public and professionals.

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Studio Tutors: Dr Sing d'Arcy

Pictured

1. Excavation zone gathering space
2. Bridge circulation, window leading to exterior
3. Circulation and observatory tracking zone, excavation



Hello

The White Bay Centre for Traditional and New Media Arts

Although White Bay Power Station was once a place that produced electrical energy, I wish for the power station to be a place for the production of creative energy. This place takes the form of the White Bay Centre for Traditional and New Media Arts, also known as Hello.

Hello is a place that facilitates social interaction and a sense of belonging to all members of the community, regardless of age, gender or culture. Both traditional and new media art classes appeal to the local community, while the discovery centre is to be enjoyed by international guests. There is also a creator space that can be embraced by both national and international new media content creators, helping to establish the centre as an internationally regarded and respected place. Importantly, the centre exists for people to collaborate, learn, play and form friendships through interactive art lessons, exhibitions and displays. It is to challenge how people communicate with each other through encouraging creativity and providing opportunities for play. Foremost, Hello should be a place of fun and adventure that appeals to a 21st century audience through allowing visitors to escape from reality, meet new friends and embrace their creativity.

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Pictured

1. Reception space
2. Traditional art gallery



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2



3

White Bay Cultural Centre

The White Bay Cultural Centre (WBCC) aims to create a space to preserve the cultural facilities that Sydney, or the entire nation is currently lacking or would have great contributions towards the society. After researching and analysing, three main typologies are decided for WBCC: Aboriginal Historical Museum, which is extremely lacking comparing to other types of historical museums throughout Australia; digital library, a new way to access and exchange information both digitally and through physical resources, which could highly likely become on trend in the next 10 to 20 years; and performance theatre, a popular place for people to receive and share knowledge. Each of these typologies relatively represents past, future and present, celebrating the rapid development of Sydney since last century.

Before going into the main building which is located in the existing Turbine Hall, visitors would pass through a White Bay Tunnel, transformed from the original Coal Handling Shed, to gain a brief understanding of WBPS and the newly proposed WBCC. An open exterior multifunctional venue is located in front of the new entrance towards the building which can be used for outdoor performance and exhibitions.

The design of the WBCC aims to capture the existing symmetrical interior structures, as well as celebrating the change between the past, present, and future through different choices of materials.

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Studio Tutor: John Gounios

Pictured

1. Exhibition space of Aboriginal Historical Museum
2. Circulation
3. The Control Room restaurant

White Bay Algae Research Centre (WBAC)

The main aim for White Bay Algae research centre is to develop the sustainable future with algae renewable energy through the use of science, innovation and technology. Aquaculture in Australia has a high growth potential due to its strategic geographical location, climate, increase in domestic and international demand, and new challenges faced in responding to the sustainable use of ecosystems. Algae are an important ecological, social and economic resource. Worldwide, the growing competition between companies and the market challenges of the future require the incorporation of new technologies to deliver added value to this resource. In this context, the Centre for Research and Technological Development in Algae (WBAC) is proposed as a specialised technical infrastructure within White Bay Power Station for research, technology and education transfer aimed for the study of algae. And as the same time, providing a new hub of interest for the city of Sydney and the community.

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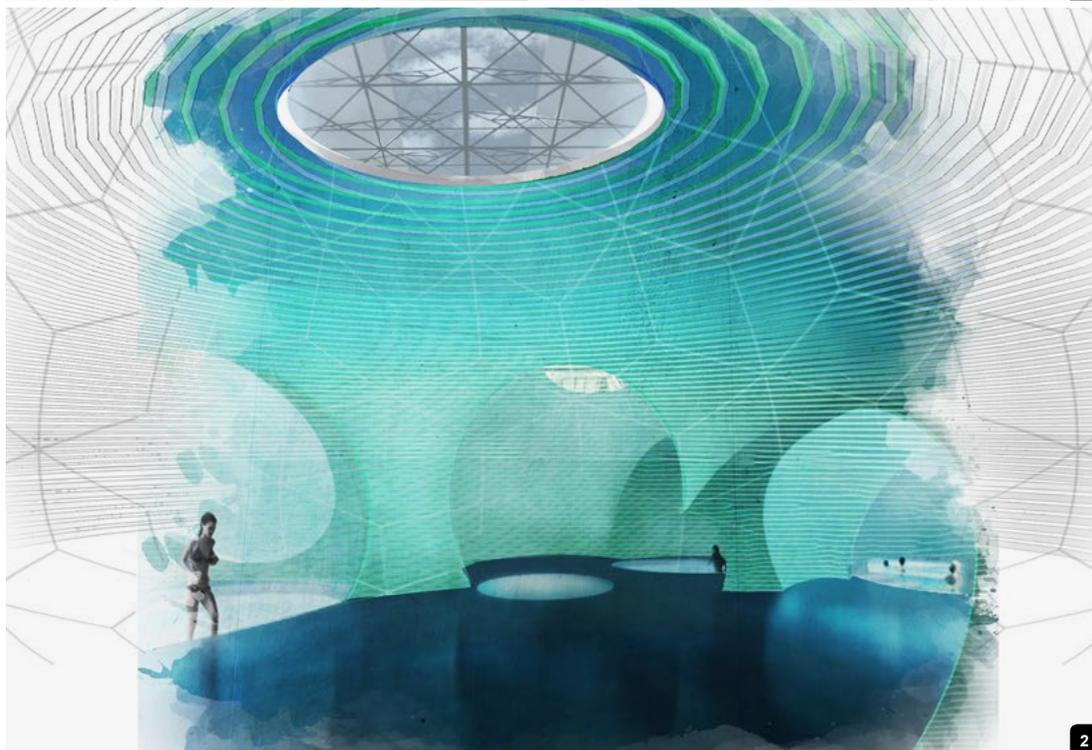
Studio Tutor: Dr Sing d'Arcy

Pictured

1. Entry reception
2. Algae therapy bath



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2



CREO

Creative Arts Precinct

The arts is a large part of Sydney Culture and it is important for the arts to be recognised and cultivated in order to maintain its significance. The arts is something that evokes emotions, triggers memories and really transport ones imagination to another dimension.

White Bay Power Station holds a significant place in Sydney, with it being located so close to both Western and Eastern Sydney and is linked by the ANZAC Bridge, connecting these two sides of the city. By using this site as a bridge between the two sides of Sydney, it will allow for the whole of Sydney to experience the proposal.

The proposal is to create a collaborative learning environment that offers education and cultivation of the arts and also the display and exposure of various artists, hopefully elevating the Sydney arts culture to the international level. The precinct works in a way in which during the day, people are able to come in to utilise the classrooms provided to and through collaborative learning, able to acquire new skills in various art forms. However, during the night, the precinct transforms into an entertainment space, in which the space is used for various artists to showcase their work and those who worked on their craft during the day are given the opportunity to display their work as well.

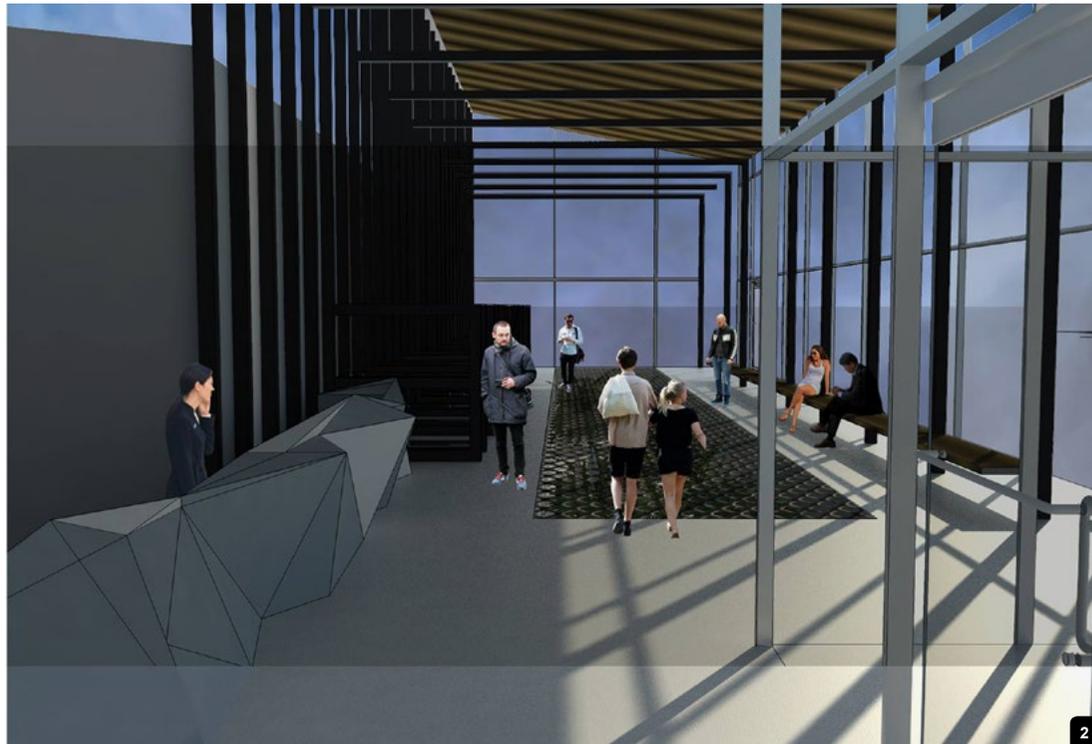
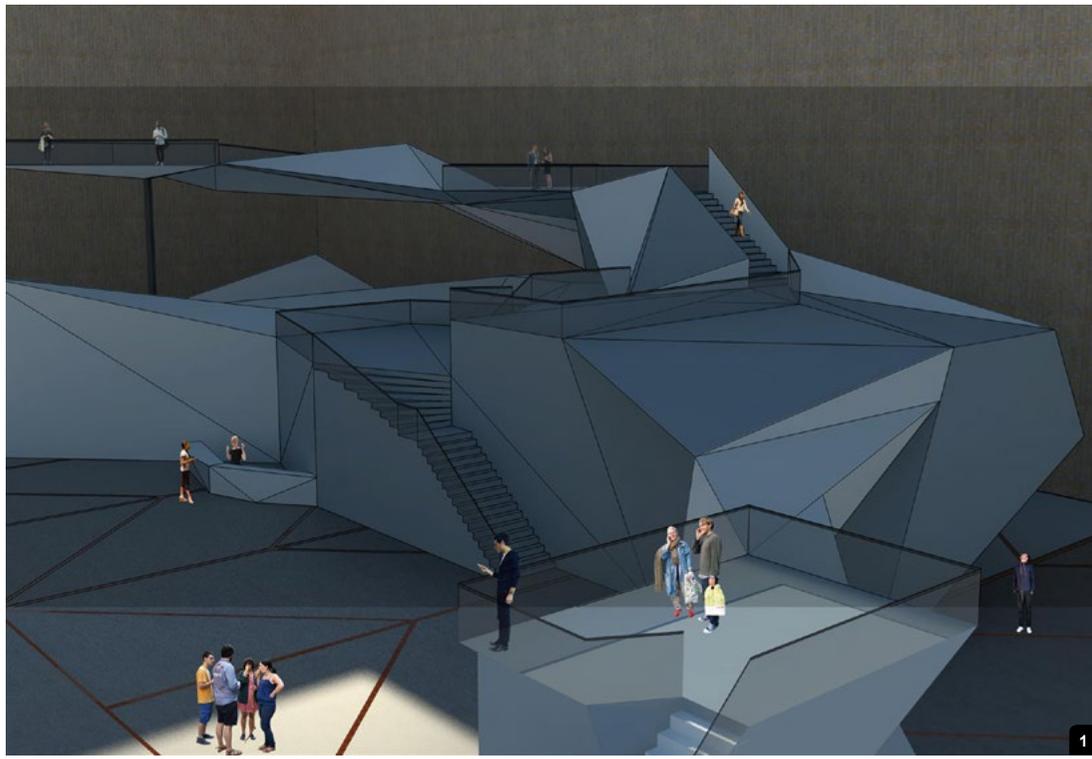
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Studio Tutor: Dr Sing d'Arcy

Pictured

1. Market space during the day
2. Outdoor entertainment area
3. Market space during the night



Regenerate

Sydney New Media Arts and Technology Centre

My proposal of a New Media Arts and Technology Centre aims to fill the void in Sydney's cultural and arts sectors. Despite being quite highly regarded, through research it can be seen that Sydney's cultural and arts institutions lack a focus on contemporary and future arts and technological practices. They also lack links with international artists and organisations involved in new media and contemporary practices and technology, to raise Sydney to the standard of top benchmark cities worldwide.

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Pictured

1. Exhibit space exterior
2. Reception/retail space



1



2



3

WBPS Culture Hub

This project is about to redevelop White Bay Power Station to a Culture Hub. The main objective of my proposal is to maximise both cultural and historical values of the site, and enhance its connection with Sydney, Australia and the whole world. The proposal consist of five typologies – historical museum of New South Wales, Art gallery of Indigenous culture, dance theatre, digital library and hospitality facilities, such as restaurant and bar.

The site is abandoned for a long time and is gradually losing the attention of people, to highlight and renew its value, my proposal is to use new architecture language to redefine this industrial site. Instead of demolishing the whole site, a way of adding new architecture form to the old site is adopted through design. The new form and function of WBPS will provide a vital public space for people to have cultural and social life. The remained structure and form of old site reminds people to respect the historical value of WBPS when having culture activities.

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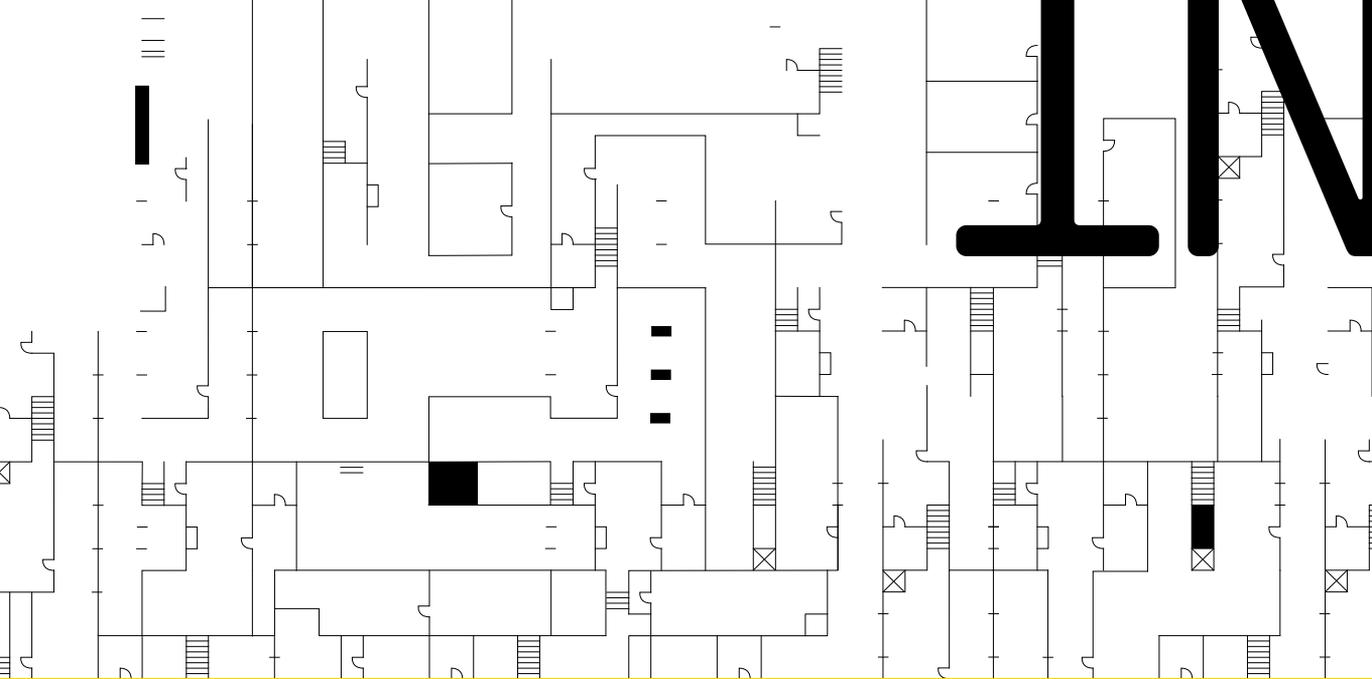
Pictured

1. WBPS Culture Hub 1
2. WBPS Culture Hub 2
3. WBPS Culture Hub 3

UNSW and the Faculty of Built Environment are extremely proud of all the graduands and their achievements and wish them all the very best. They have set the design standard high and I look forward with excitement to seeing the fruit of their efforts in the designing world.

DESIGN BY: Equilibrium Design
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