

# 1. BUILT PEDAGOGY - An "Oasis for learning"

"Outstanding Architecture in appearance and performance"

Today's architecture building is not only an academic facility but also a 'community building'.

The building's capacity to allow the Faculty to engage with the community, to promote and make good design more accessible to all is of vital importance.

The building will be a showcase of the faculty's best in Architecture, Building and Planning with a variety of gallery spaces (image 8) incorporating state of the art lighting, electronic media and flexible displays presenting to the visitor both internally and externally.

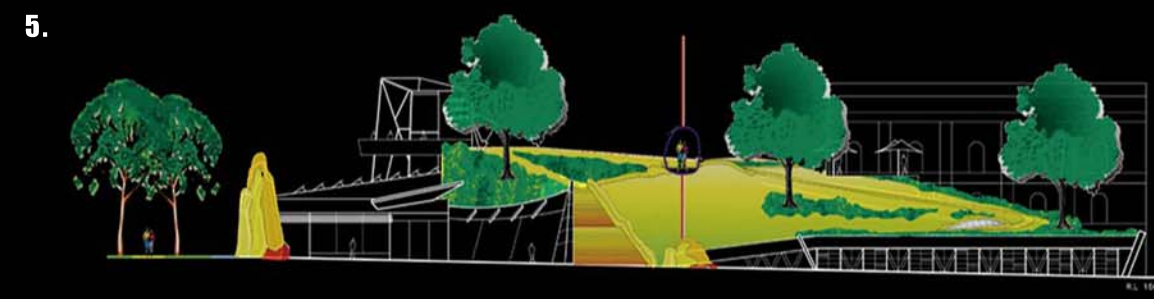
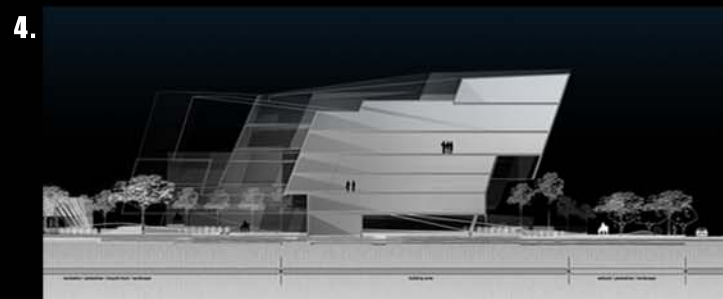
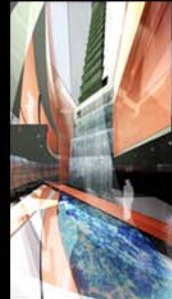
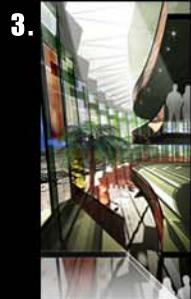
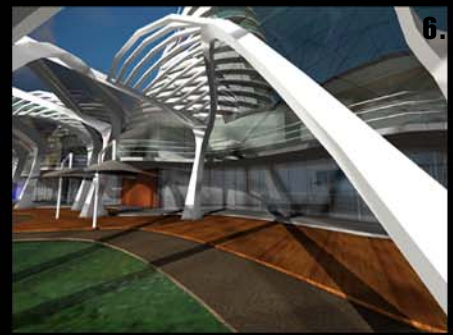
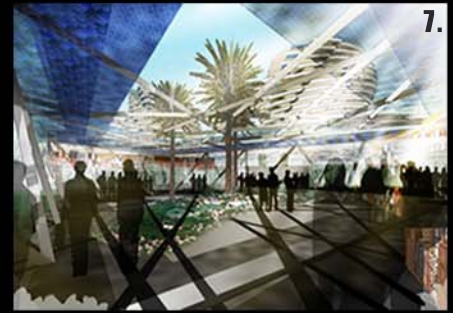
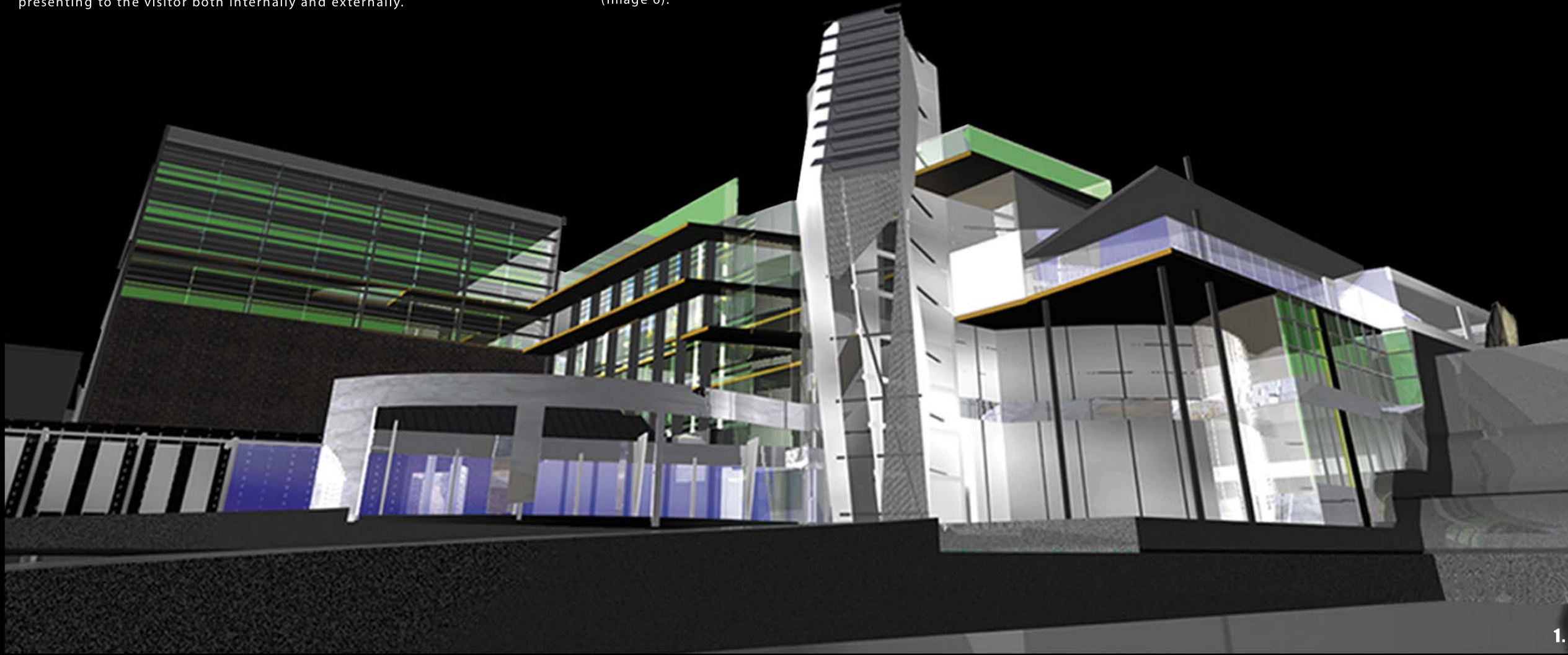
The building will utilise advanced and efficient construction, structural and servicing techniques (image 4) with built-in flexibility to meet the demands of today and tomorrow, in a language that communicates advancement in the way we create spaces for living.

Urban design issues will be addressed with the same rigour and attention to detail at both macro and micro levels.

The project presents an opportunity for a bold formal statement at the urban scale (images 1 & 3), balanced by a clear articulation of elements and human scale detailing (image 6).

It will maintain a seamless connectivity to the site and surrounding community via inviting and comfortable public spaces (images 2 & 7) and access points, yet enabling controlled levels of permeability where required.

The building is envisaged as an "Oasis for learning" - visitors are drawn into an Oasis where new things are discovered - and this quality will be enhanced by the careful integration between the built and natural landscape, for example a fusion of natural planting and sculptural elements (images 4, 5, 7 & 8).



## C - CONNECTIVITY

# 2. ACADEMIC ENVIRONMENT - "An inspiring academic working environment for all"

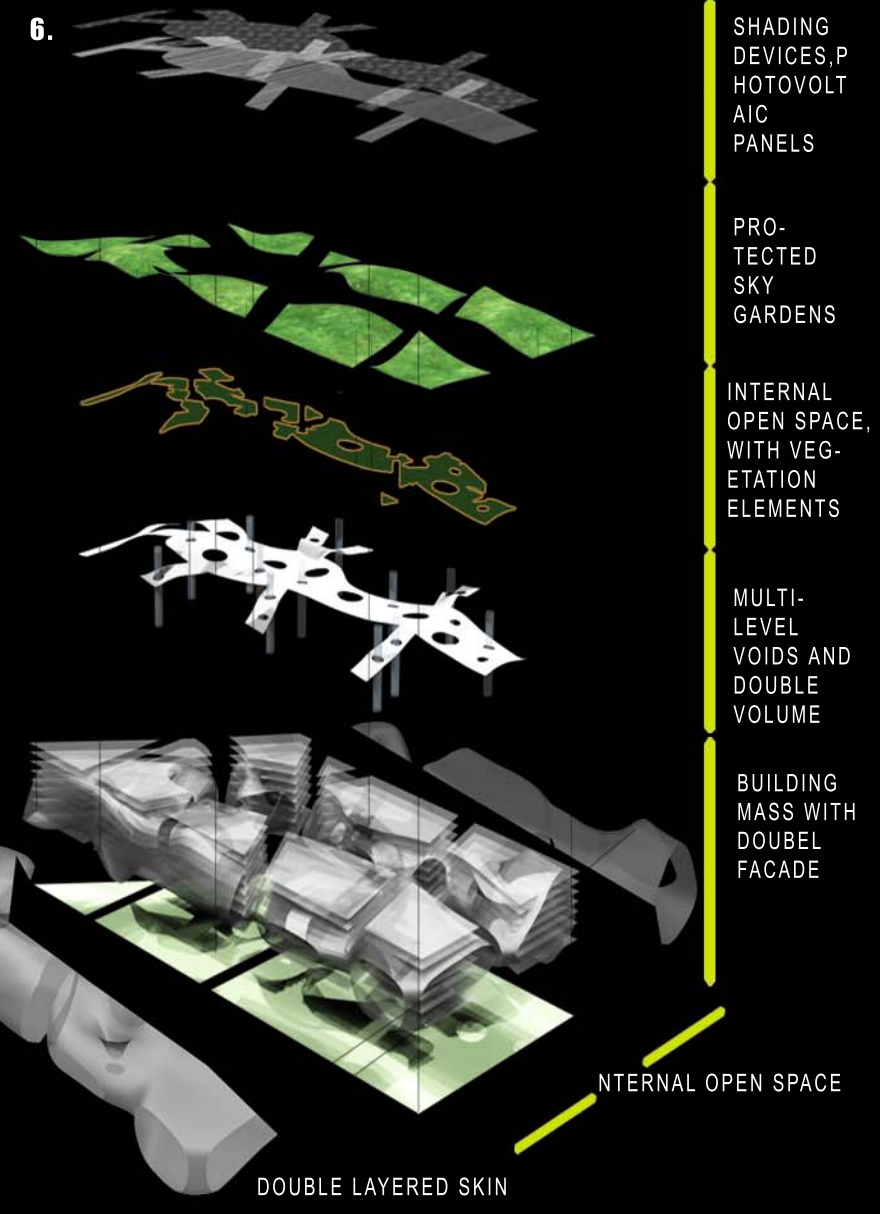
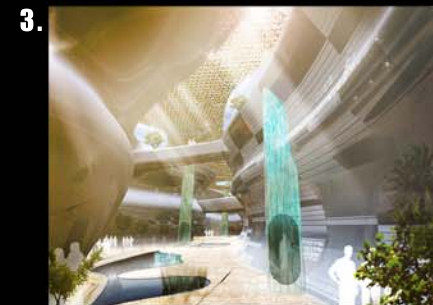


The design of the new building will explore a range of spatial options offering privacy and seclusion, openness and views - internally, externally and between levels (images 1, 2 & 3).

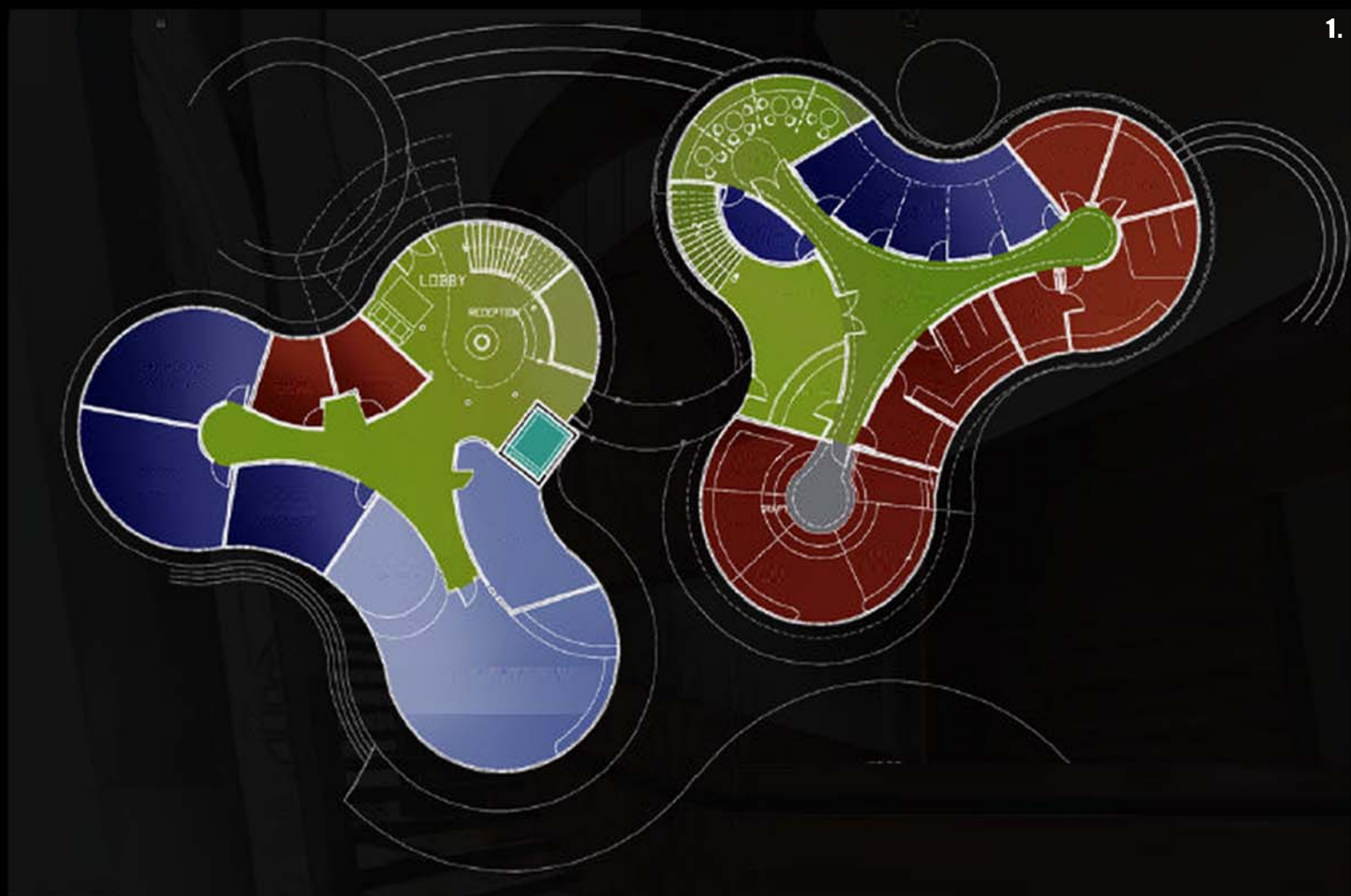
This will be achieved by the careful orchestration of space, enclosed and exposed, vertically and horizontally, with various levels of transparency and utilising moveable wall elements, operable screens and other flexible means of enclosure.

Cutting edge architectural forms and advanced, efficient technologies (images 4, 5 & 6) will challenge and inspire further exploration and continuous innovation amongst Faculty staff and PHD students.

The new learning environment will maximize all opportunities to narrow the gap between the researcher, industry and the wider community by offering flexible spaces with an ability to expand and contract as required for meetings, exhibitions and presentations (image 1).

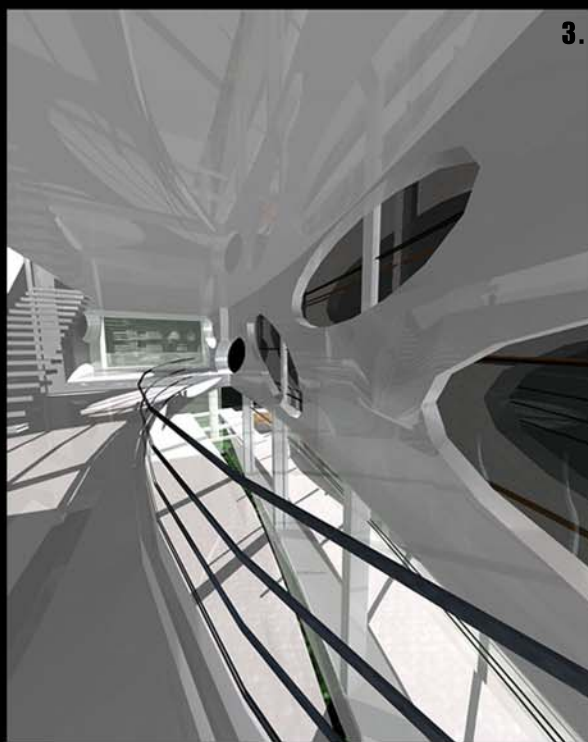
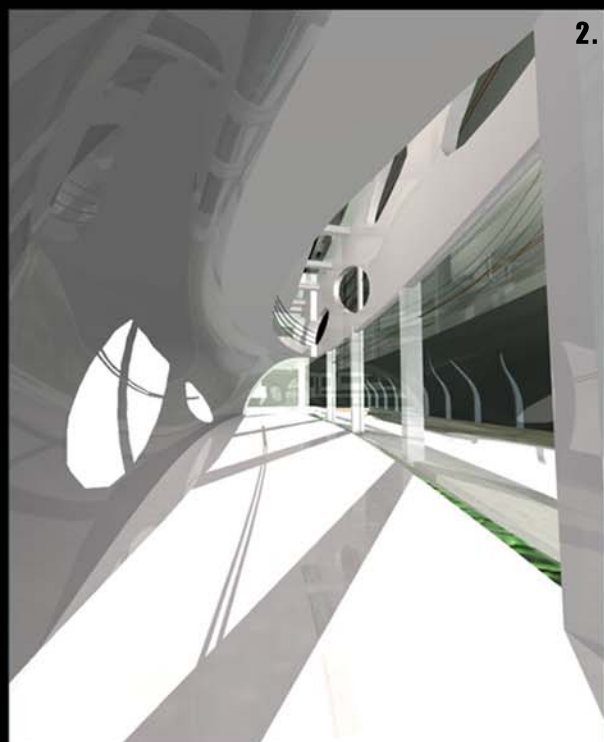


# 3. DESIGN STUDIO - "Studio space able to be personalised - a focus on making students feel valued"



Studio facilities for undergraduate students will offer a variety of teaching and learning spaces with built-in flexibility for privacy or interaction (image 1). An emphasis on comfort and security in the studios will promote greater use of these spaces, as is often required for undergraduates to complete projects. A stimulating learning environment will enhance the enjoyment of the creative process. (images 2, 3 & 6) All possibilities for co-operation and communication with overseas schools and studios will be explored to broaden the experience of the undergraduate.

Studio spaces for each course level will be clearly defined yet encourage greater dialogue between levels via the use of displays, electronic media and operable partitions and screens, inviting others to participate, comment and exchange ideas (images 4, 5 & 7).



R - RESEARCH INTO REALITY - REGENERATE FOR TOMORROW



# 4. THE LIVING BUILDING - "An organic metropolis"

## 1. EXTERNAL & PEDESTRIAN SPACE

A passive down draught cooling system cools hot air as it enters the space with a shower of water. This feature occurs along the central walkway.

**OPENINGS**  
Large opening encourage natural light to penetrate the interior spaces.

**ROOF**  
Photovoltaic panels are integrated with louvers which include wind and solar control systems.

**EXTERNAL FACADE**  
A double skin façade filters hot air and protects against direct sunlight. Louvers are synthesized with wind and solar detecting systems to assist with shading and ventilation efficiency.

**SKY GARDEN**  
An aesthetic Sky Garden helps to capture and cool air, it includes air flow device to divert external heat.

**PEDESTRIAN LEVEL**

**PRT LEVEL**

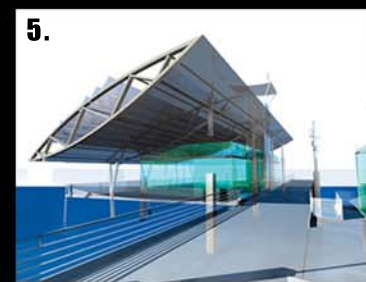
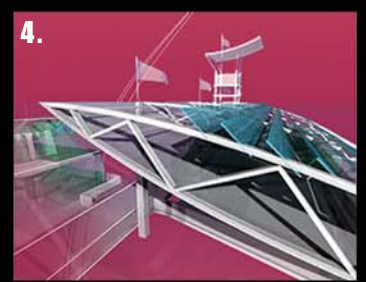
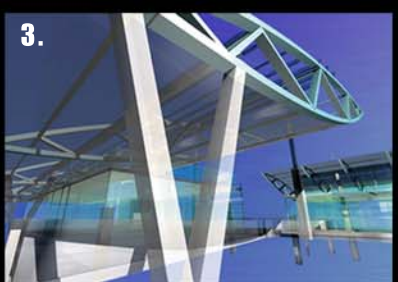
**CONNECTING BRIDGES**  
Connecting bridges create more circulation between the buildings in the creek alleys. they help to slow down hot air above, and store cool air below, the pedestrians can stroll among buildings whilst enjoying the cool breeze from the garden below.

**LANDSCAPED VOID**  
A two level open landscaped void on the PRT level is designed to capture and store cool air. It opens up to the pedestrian level creating visual connections between the two spaces.

## ESD Concept Diagram

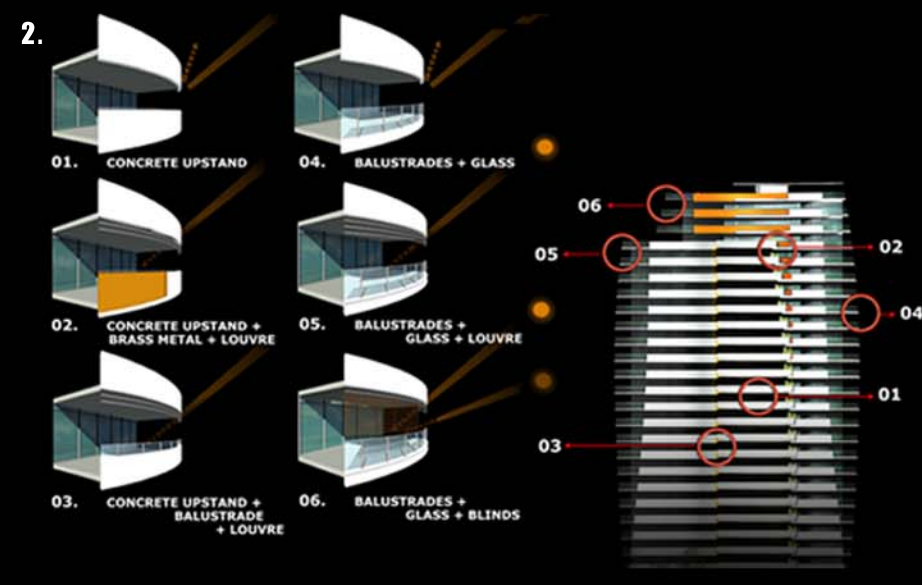
Automatic external screen systems will complement the effective orientation of building elements and assist to filter light and solar access to the internal spaces (images 1, 2, 3, 4 & 5). The use of natural light will be maximized wherever possible. Every opportunity for rain harvesting, storage and water recycling will be explored (image 6).

The selection of materials will consider the embodied energy in the manufacturing process as well as their low toxicity and emission levels in order to promote the well-being of the occupants. Planting features such as vertical gardens will be integrated with the architecture both internally and externally to enhance the balance of the natural and built environment.

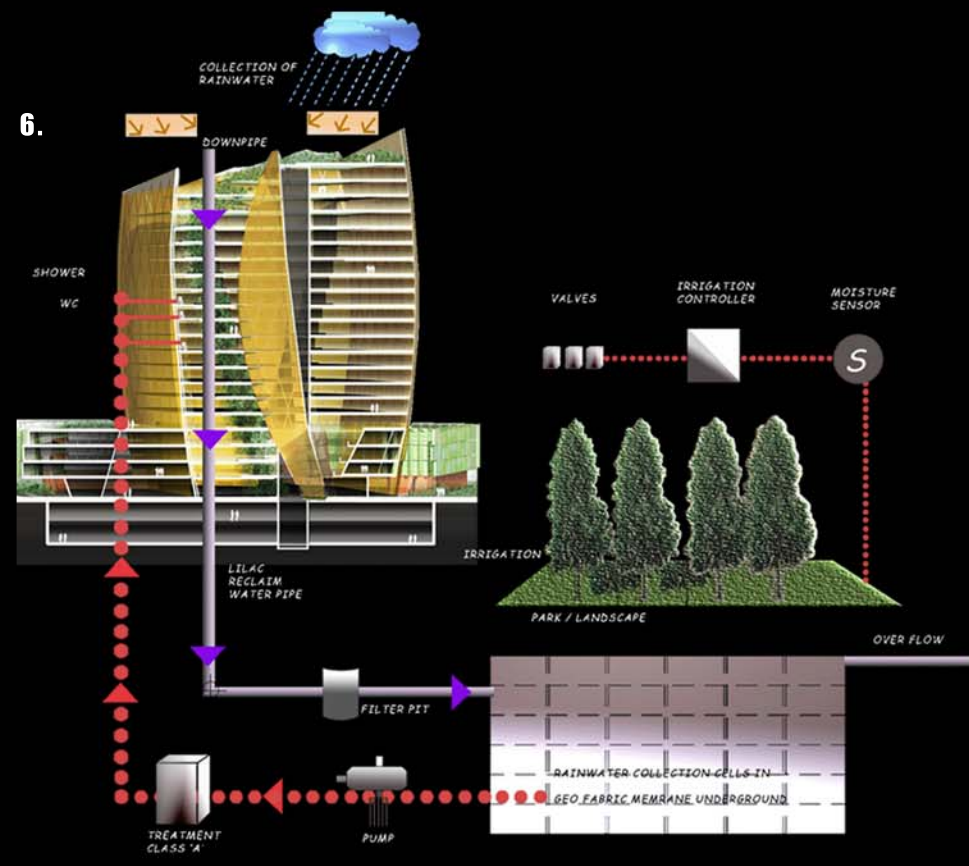


The new building can be viewed as an 'organic metropolis' operating 24/7. The design approach will address continuously fluctuating demands and respond to both the sustainability of the natural environment as well as the health and comfort of the user / occupant.

The design will aim to balance passive and active energy control systems (image 1) in order to achieve optimum level of control and efficiency. For example, the use of prevailing breezes and natural convection will be maximized for low energy ventilation and cooling solutions.



## 6.



## 7.



**U - USER FRIENDLY**

# 5. CAPABILITY AND PROCESS

## 1. Yas Island Yacht Club, Abu Dhabi

Cost: A\$120 million

This is a high profile 5-star International project on the edge of the marina as part of the new Formula 1 Grand Prix circuit currently under construction (Completion November 2009).

The O1A project team is now in the process of delivering a comprehensive range of services on a fast-track programme including design, documentation, contract administration and site supervision covering the following disciplines:

- Architecture
- Interior (which includes 5-star hospitality facilities over 3 levels),
- Landscape design
- Engineering: (Structural, Civil, Mechanical, Electrical, Hydraulic & Fire services)



The project team for the new Faculty building will be led by the following key personnel:

**Omiros Emmanouilides** - Design Director

Omiros Emmanouilides' commitment to innovation and his understanding of complex realities in today's globalized construction environment has seen to the successful realization of challenging residential and commercial projects both in Australia and overseas.

**Wayne Finschi** - Interior Design Director

Wayne Finschi is well recognized as a leading figure in the interior design landscape of Melbourne. Supported by a high profile collection of projects both in Australia and overseas, Wayne is currently completing the sophisticated interiors of the Yas Island Yacht Club in Abu Dhabi.

**Thomas Law** - User Group Liaison

Thomas brings to the team his invaluable experience as an International Corporate Executive in architectural products with special skills in international market networking and the identification of user group behaviour and needs requirements. Thomas Law will play a vital role in the interpretation and application of focus group findings to pursue innovative architectural solutions.

## 2. Nirvana, Kirra Beach, QLD, Australia

Cost: A\$65 million

- 15 Levels
- 1500 sqm retails
- 2 Levels basement car parking

The architecture reflects the topology whilst responding to the functional requirements of the brief. The building is designed to ensure that all four apartments on each floor have an ocean view, resulting in an interesting and captivating form appropriate to its landmark location.



**Jim Tsoukatos** - Project Architect

Jim Tsoukatos has extensive experience as Project Architect, leading design developer and building technologist on numerous educational and institutional facilities including:

- University of Melbourne:
  - Dean's office interior fit out, Faculty of Architecture, Building and Planning, 2007
  - Advancement and Communications Unit office fit out, Faculty of Medicine, 2007
  - Bullwinkle's Art Supplies relocation, Student Union Building, 2007
  - Howard Florey Institute, 1995
- Deakin University:
  - Central Precinct (3 buildings), Burwood Highway, Burwood, Victoria, 2005
  - ICBB Building, Elgar Road, Burwood, Victoria, 2007
- Federation Square, Melbourne, 2002 (Jim Tsoukatos headed the design development and construction detailing team)
- Point Cook Senior Secondary College, Point Cook, Victoria, 2007/ 2008

## 3. Reflection Tower 1 & 2

- Combined cost \$170 million
- 20 Levels
- 2 towers of 20 levels with 217 apartments and 8 luxury skyhomes.
- 3 levels of basement car parking for 500 cars.
- Over 12,000 sqm retail, hospitality and club facilities.

The buildings are set on the foreshore of a world famous surf beach. The dynamic form is designed to captivate and engage the viewer in a discourse inspired by its setting.

" ... With enthusiasm and professional dedication, the Omiros One Architecture team has produced outstanding design and are most deserving of our recommendation... "

- Constantine W. Nikiforides, Chief Executive Officer, Niecon Developments Pty Ltd



**Proposed Consultant Team:**

- Town Planning - Fulcrum
- Quantity Surveyor - Rider Levett Bucknall
- Engineering: Structural, Civil, Mechanical, Electrical, Fire and Hydraulic services, ESD and energy management - Waterman AHW Consulting Engineers
- Building Certifier - Davis Langdon
- Traffic Engineer - Ratio
- Landscaping - ERM
- Graphic Design - Cornwell Design

Engagement between O1A, the client and user groups:

**O1A** will conduct focus group meetings with Faculty staff and students as a vital part of the design process in identifying specific user needs and obtaining regular feedback to evaluate and develop key ideas and direction.

All ideas will be tested against specific criteria during the design process to ensure that all important aims are met before implementation into the design development phase.

# 6. MERIT

## Projects nominated for RAIA awards:



**DENTON**  
North Fitzroy, Victoria

Reflecting the bohemian ambience of the suburb, the project revitalises a former two-storey factory into 22 individual apartment units. Pains were taken to retain the industrial chic of the buildings heritage, with the new openings punctuating the existing brick factory walls to create pockets of surprise. The front building has been designed to function like a propylaeum with filtered views of a "secret garden" through a mesh of arched gateways. Facades are tiered back to ensure privacy and maximum daylight penetration into the courtyard. The result is an organic mixture of forms that respect the history of its site while also providing current users with a sense of delight.

## Publication:



Ethiad Inflight, DEC 2008



Ethiad Inflight, DEC 2008



**ARGYLE**  
Carlton, Victoria

An enlivening 25 apartment infill consisting of two and five storey buildings, sited in between two industrial lanes. The buildings have been designed to visually captivate through their highly evocative and dominant sculptural statements transforming the banal and hostile lane environment.



**THREE 55**  
Carlton, Victoria

Located on a street dominated by a park and a church, this apartment block was designed to both reflect the surrounding landscape and provide a decidedly modern stamp on the neighbourhood. When viewed from the street the building appears to be three storeys high although in reality it contains five levels.



**REFLECTION TOWER 2**  
COOLANGATTA, QUEENSLAND

This project was recognized in three awards at the Queensland Master Builders Association Awards 2008 - State Project of the Year - Excellence Residential Buildings (High-Rise over 3 storeys over \$60m) - Gold Coast Excellence Residential Buildings (High-Rise over 3 storeys over \$60m)



Hinge (Hong Kong), VOL.130, MAY 2006



Various publications, including 'Denton' and 'Sofia Restaurant'.



Various publications, including 'Three 55' and 'Reflection Towers 1 and 2'.