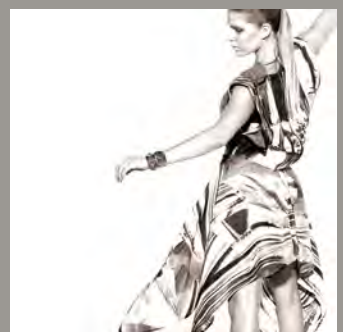


2011

SRD CHANGE

INSPIRE
PROMOTE
CHANGE

SOCIETY for RESPONSIBLE DESIGN
NATIONAL GRADUATE
SUSTAINABLE DESIGN EXHIBITION



Participate in positive change. Everything that you're interested in and care about can significantly benefit from Responsible Design.

There are compelling arguments that the severity of the many crises that the world faces today may be greatly reduced with considered action at the earliest instance. This prompts the question 'What can I do?' Review the projects in the last 8 years from SRD Change series. Over 166 great ideas have been exhibited so far that pursue significant and immediate improvement of environmental and social issues. Encourage the 'unearthing' of new design gems, the evolution of defining best green practice, setting new design standards and promoting this process in all fields (yes, beyond design). Connecting these great ideas with those able to assist their route to market, to define good direction for new innovators and a format that may be replicated globally for maximum benefits, give this all great currency. Now is the perfect time for substantive action to create better ways to implement these new concepts and making this standard practice for the pinnacle of the education system. Corporates, individuals and government are required to increase investment and support in creating these solutions and to encourage their development and promotion to bring them to market via all possible options. Contribute for the good of all, for now and the future.

SRD have suggested many options from significant prizes, micro-financing, 'crowd-funding' and more government support with incentives and tax breaks for these directions. Include also macro-micro views, maximising efficiency and competition, commercial innovations and all related areas. All can contribute to get this 'design thinking' to mainstream. International thinkers including Edward de Bono, Bruce Mau and Ezio Manzini recommend complementary ideology. Responsible Design is a great investment for time, thought and capital as it can deliver multiple benefits with minimum resources.

The SRD is an incorporated, not-for-profit, annually audited, volunteer-based, registered environmental organisation that has explored the relationship between design, the environment and social responsibility since 1989. For 22 years the prime objectives have been to support and promote collaboration between educators of all design streams, designers using responsible design practices, manufacturers and the public to advance information, research and education for significantly better built and living environments, products, services and resource management.

SRD activities are largely funded by membership subscription which is open to all with a genuine interest in responsible design. Members include businesses, design practices, individual designers, design students, educators and environmentally aware members of the public. SRD is part of global groups like the o2 network and DESIS. It promotes and participates in International eco design discussions and events such as the Carbon War Room / Creating Climate Wealth Australia and the International Conference of Eco Ideas. SRD membership details and benefits are online. Your support and assistance in the creation of our sustainable future by design is invited.



Concepts to direct business, government and all towards the latest in green innovation



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Welcome

Visualise the future. Full of intelligent design and rich in well considered perspectives. Now see them here.

The SRD Change 11 National exhibition is the culmination of a collaborative process uniting the wisdom and knowledge of tertiary educators, practical working expertise of design professionals and new creative enthusiasm of final year graduate project research. The result promotes fresh ideas, solutions and ways through which society can be made more sustainably aware and responsible.

The SRD Change series is a special project of the Society for Responsible Design and this year is again part of Sydney Design presented by the Powerhouse Museum. SRD Change presents its eighth annual exhibition, showcasing projects that inspire and challenge convention. Taking this exhibition to the next level SRD have selected from design disciplines across Australia's leading tertiary institutions, graduate projects that address issues of sustainability, social equity and community.

The thinking embraced by these projects, highlights how responsible design can significantly contribute to more sustainable practices across all design streams such as architecture, industrial design, fashion, visual communication, interiors, landscape and art. This insightful exhibition confirms the importance of higher education as an integral element to enabling positive change. SRD Change promotes greener graduate projects completed in the last year, nurtures ideas for candidates in upcoming years of study and welcomes your support to continue.

Encouraging and promoting greener graduate projects

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- + Offering a long lasting aid that women and children can continuously use to defend themselves long after a natural disaster has occurred
- + A simple and economical mechanism, that is easy to use and understand provides a reliable light at night time with a life of 50,000-100,000 hours



DEFENCE AID

A PORTABLE SAFETY DEVICE

In the aftermath of a natural disaster, emergency response does not take into account gender specific vulnerabilities. Displaced women and girls are often at risk of sexual violence, as they live amongst strangers in crowded, dark and dangerous refugee camps where there is absence of law and order.

Defence-Aid is a robust, handheld light that is charged using kinetic energy. It acts as a psychological deterrent for potential attackers, alarms for attention and is designed in a way to provide a feeling of security, ready to be used at any-time.

It combines sustainable, durable and cost effective materials and can be used as a strobe and piercing alarm when under duress. Defence-Aid is a constant reminder to those wearing it to stay safe.



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CLEVER THINKING

A PRIMARY EDUCATIONAL RESOURCE

An educational resource for teachers to help students achieve *Creative* (ideas generation) and *Critical* (evaluating ideas) cognitive skills across all subjects. This program was designed to address the absence of Design Education in the current NSW Primary School Curriculum, serving as an integrative way of introducing teachers and students to the crucial higher order thinking skills Design Education offers.

Teachers receive a kit, including 30 flash cards with different ideas for fostering creative and critical skills in their lessons. It is hoped that through this resource available across all subjects, generalist primary school teachers can be more informed and active in practicing the benefits of a more holistic learning experience and subsequently, moving to an eventual emergence of Design Education to be available to all.



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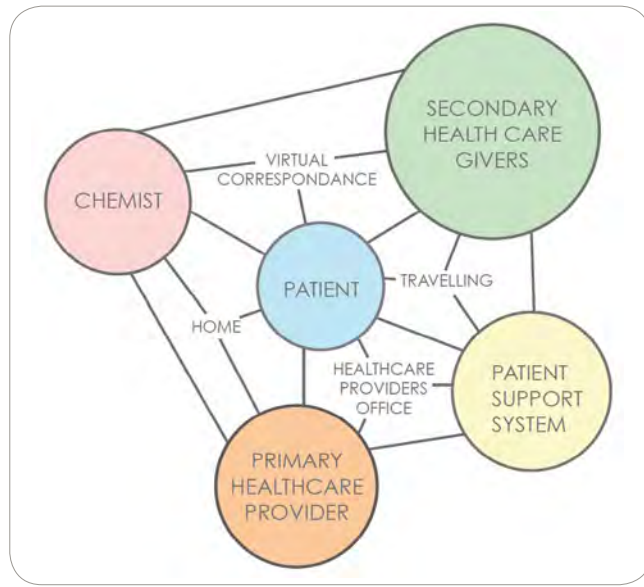
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- + A portable resource, with flexible content and stimulating activities for teachers to adapt Design ideas across all subject areas and students' learning abilities
- + Reflects a 21st Century Curriculum preparing students to participate in tomorrow's rapidly changing technologies through developing students' Creativity, Critical Thinking Skills and understanding of Sustainable Practices
- + Challenges students to re-evaluate their understanding of contemporary issues through collaborative, reflective and problem based learning platforms





HEALTH CONNEX achieves Social sustainability through:

- + Addressing the three levels of social sustainability: Formal aspects (online website), Informal aspects (community collaboration) and Institutional aspects (providing healthcare)
- + Encouraging a deeper interconnection with healthcare providers so that a collective approach is taken to maintain individual health. It also removes the necessity to travel to the appointment, reducing unnecessary appointments and lowering overall carbon footprint
- + Encouraging inclusivity and diversity within the community by fostering a place where patients can interact with each other and form additional support networks. This helps to establish a foundation for more cohesive healthcare for future generations

HEALTH CONNEX

CONNECTING HEALTHCARE & YOU

'Health Connex' is an online website aimed to connect healthcare professionals, patients and chemists outside of the traditional medical appointment. It is a value adding service complementing traditional healthcare.

This portal provides features such as online journal writing, which can be shared with the healthcare provider. This may offer underlying reasons to health issues that the patient may not verbally communicate. The portal also offers conference calling and emailing which would reduce unnecessary appointments and the need to travel to the medical centre. It provides an accessible place to obtain vital and current health information, such as charts and medications - and their results. This is particularly important should a medical issue arise, for example whilst travelling.

Health Connex encourages a cohesive approach to healthcare, by bridging the communication gap between doctors, specialists, chemists, tertiary health care and patients thus encouraging a more sustainable and healthy community.

www.amandinejohnson.com



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WAYS & MEANS WEARABLE AND SUSTAINABLE

Everything is connected; intertwined in an intricate set of relationships. When something dies, it is given life again in some other form. This is the ethos behind Anna Cahill's work. She strives to create sustainable design that utilises materials otherwise discarded as waste, and gives them a new life. Whether it is a textile or some other product, her garments are defined by the materials from which they're grown.



ANNA CAHILL

B. FASHION DES.
UTS

Ways&Means is no exception. Created using entirely reclaimed textiles, it offers a collection that is both wearable and sustainable. With an artisanal approach to the prints and textiles employed, Anna was never quite sure what she was going to end up with. The result is an organic, relaxed, romantic range of garments, free to be interpreted however the wearer feels.

Brought to life in a short film, the garments never forget their links to the earth, nor their borrowed existence.

http://www.youtube.com/watch?v=nGrhQsgc-EQ&feature=player_embedded

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DHARAVI

A SUSTAINABLE APPROACH



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Being one of Asia's largest slums 'Dharavi' could only be understood as a complex global issue which is tangled in a web of bureaucracy, politics and cultural conflicts.

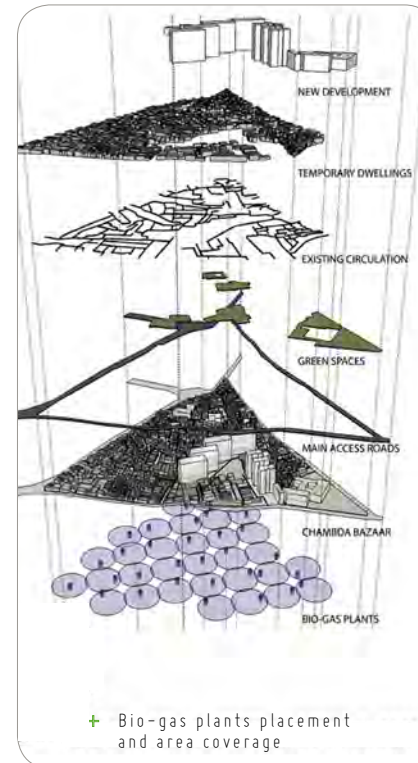
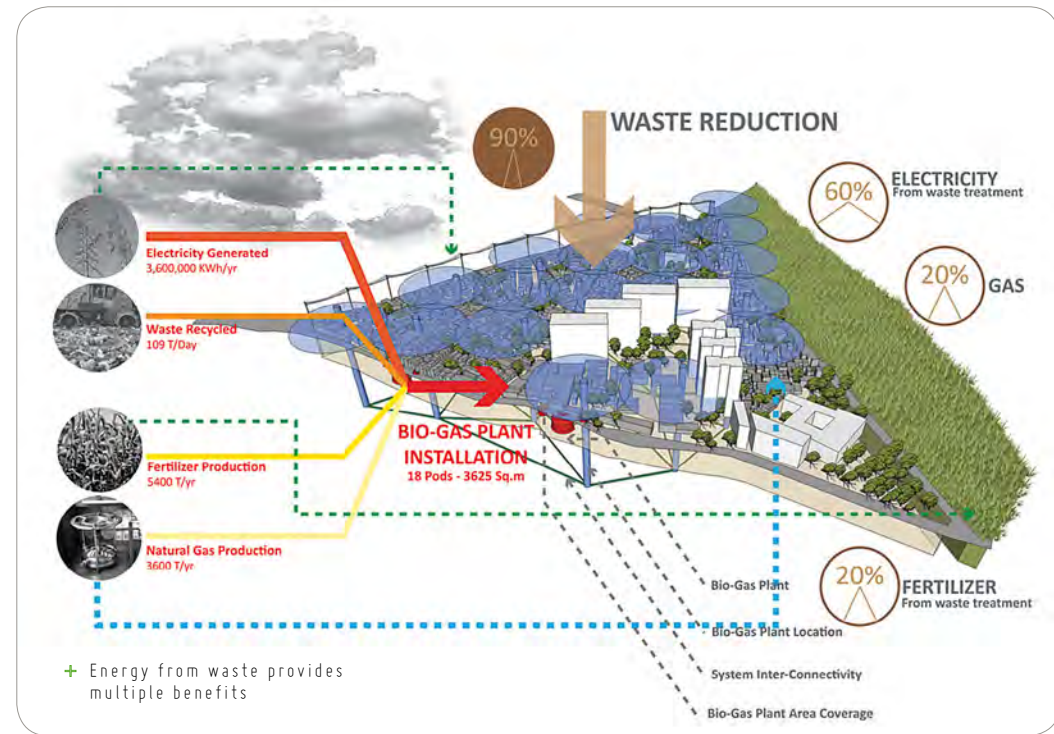
Controversial redevelopment plans for Dharavi have been underway for well over a decade. With media attention from around the world, it is to set the example for slum redevelopments globally. While their livelihoods offer the world a unique occasion to reflect on their richness in diversity and chaotic density of its communities, it's an ongoing struggle to identify and act on the challenges ahead.

'Dharavi: A Sustainable Approach' is an architectural group based project, which seeks to provide the essential guidelines in producing design options, based on efficiency and sustainability. The research conducted, examined 17 systems in total, in regards to environmental urbanism and the physical and social forms of city slums.

The response is a multi-layered system which aims at helping the community of the slums 'self-develop' the city from within, the fascination of bottom-up emerging urbanism, is essentially a community engagement project, to be able to change the economic disparity which is relevant to poverty.

It develops strategic mechanisms that look at scale from the long-term relocation planning of Dharavi to localised phasing for individual Nagras and suitable models of development at the architectural scale. It all starts with the economic development, then surgically looking at the mid grain of each system, the key being, that the preservation of 'Dharavi's identity' is essentially an alternative to top down master-planning.

Although the report may not be able to solve all of the existing problems of Dharavi, it hopes to contribute to the conversation, prioritising the unique intertwining of constructed and social systems that make Dharavi a vibrant community.





- + Sustainable Urban Densification with provisions for future light rail
- + Alleviation of regional environmental issues through hydrological infrastructures: Water Mining, Flood Control, Phytoremediation, Soil Remediation
- + Revitalization of existing local community to function as urban core/ 'glue' for new development
- + Retention of post-industrial history through new environmental / open space programs



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COMMUNAL REMEDIATION

This post-industrial urban renewal concept was developed for Central Canberra, Communal Remediation outlined a design process which attempted to resolve the conflict of interests existing between local community identity and the need for urban densification alongside the growing need for regional environmental sustainability. The solution draws upon the landscape urbanist paradigm of 'landscape as infrastructure', and exploring how regional hydrological infrastructures could benefit communities at the local scale whilst driving a more sustainable form of urbanization for Canberra. The project capitalized on the hydrological potential made available in the degraded post-industrial rail corridor that encircled the Causeway Housing Community, by transforming its functional-industrial heritage into a key environmental regional infrastructure for Canberra that was incorporated into the local open space network. More so, the project attempted to unlock the dynamic potential of the established Causeway Community identity along with its ability to provide necessary social adhesion to the entire new infill development, something that would otherwise take generations to develop.

IHUS SUSTAINABLE SUBURBIA

IHUS is a new subdivision and house design project which looks to amend the unsustainable suburbia we live in. The new subdivision strives to bring back density with smaller lots and more community centred spaces, such as community orchards in every subdivision. Implemented into these subdivisions is IHUS which is a system of a service core infrastructure, which will be built on the side of every lot, with modules to be plugged into it. This system minimizes the impact on the land during construction by limiting the excavation to only below the core. This also allows for maximum flexibility to meet the different lifestyles and changing needs of the people for now and in the future.



CHRISTINA KIM

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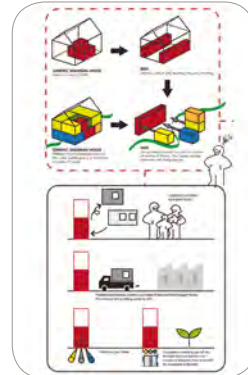
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- + A fixed core, as an infrastructure that includes all the services, i.e. electricity, water, gas along the edge of the housing lots which stand to serve the living areas
- + Modular plug in spaces allow for max flexibility and individuality
- + Subdivisions which allow for semi-private community orchards in the centre of the block that only the residents can access
- + A water recycling system throughout the whole subdivision



- + Chemical Free Hand Cleaning
- + Almost 95 % recyclable
- + Made almost entirely from recycled materials



KOPPER

Kopper can provide a level of hygiene never before experienced in the third world. Many preventable diseases can be controlled through basic hand washing practices, unfortunately much of the third world doesn't have access to clean water, let alone soap. Kopper meets the need for third world hygiene as it uses existing water supplies (regardless of contamination) and its electrolysis and filtration systems eliminate 99.99% of all parasites, viruses and bacteria whilst producing clean water as it's only by-product of use.

Kopper's unique design is both familiar and intuitive as the design has been inspired by the shape and use of soap thereby making the product's operation more instinctive to the diverse cultures of third-world populations who are generally aware of how soap is used.



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WHERE SOME WILD THINGS WERE:

ATALE OF TOURISTS, ELEPHANTS AND OTHER CREATURES



This landscape proposition explores the phenomenon of international tourism in the developing village of Vang Vieng in Laos, home to a significant elephant population. Vang Vieng is a prime example of a locality at the mercy of regional and international socio-economic systems and their seasonal fluctuations. The creeping fingers of globalisation have woven a dynamic and highly complex relationship of inequality between the tourist, the local merchant and subsistence farmer. The ramifications of this web has put pressure on the regional elephant population, both domesticated and wild, and its habitat.

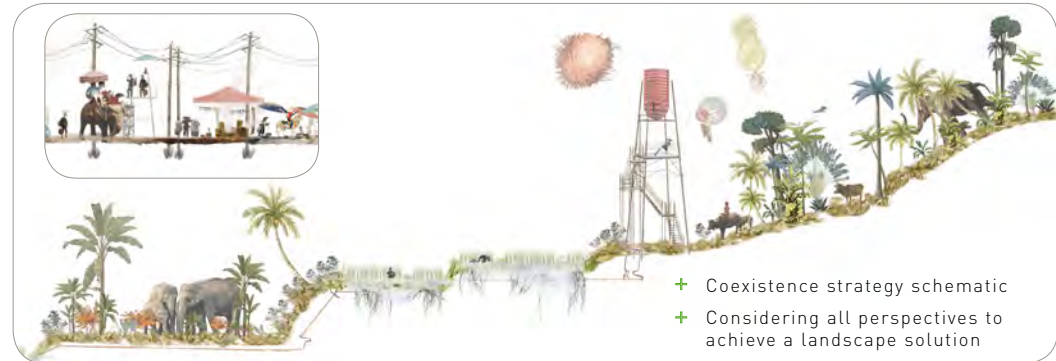
How may I, as a Landscape Architect address these frictions without intensifying them? What do I assume, think, or really know about this village from my foreign perspective and how does this translate into a design proposition for the other?"



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- + Coexistence strategy schematic
- + Considering all perspectives to achieve a landscape solution



- + Local myths and reality collide with modern tourists, farmers and authorities



- + At a micro scale materials may be scavenged and sourced from the surrounding industrial sites to be self-built within the dense interstice
- + At a meso scale existing resident's development positions are considered and higher densities are negotiated around non-participants to create interstitial densities
- + At a macro scale the scheme allows for appropriations of semi-public space through home-vending, community markets and squatter amenities



HEYINGTON PLACE

SUSTAINABLE ECO-RESOURCE CENTRE



Heyington Place is based around the design of an Eco-Centre on the banks of the River Yarra within the inner urban areas of the city. It focuses on the fact that change in our world is an ever present reality. The site response presents many design challenges, such as altered topography, orientation, limited access and the expression of the principles of sustainable design all within a unique architectural form.

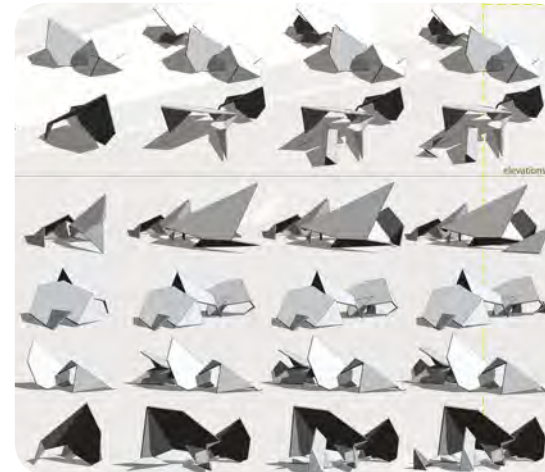


**CHRIS
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Environments changed through infrastructure development, or in this case, freeways, railway and waterway reconstruction have created an artificial landscape that I have managed, complemented and created a program specific building on. Change in our world can be used to create better places through generating exciting design opportunities.



NEGOTIATING THE INTERSTICE

Negotiating the Interstice is an alternate architectural proposition to the tabula rasa strategy currently in motion in the fringe 1920s neighbourhood of Bon Pastor in Barcelona. This scheme seeks to re-use the existing social housing while catalysing higher densities interstitially.

Driven by a socially sustainable approach, interstitial densities may arise opportunistically according to resident's development positions, desire for participation and ability to negotiate with surrounding neighbours.

Once built to house textile factory workers and gypsies relocated from the Barcelona World Fair site, the architecture borrows from caravan inspired economy and temporary use of space. Imbuing value on the existing neighbourhood results in maintaining equitable access to housing and nurturing social and cultural diversity.



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THE WARMEST AND MOST DURABLE
**ENVIRONMENTALLY CONSCIOUS
 WET SUITS IN THE WORLD.**



+ Follow the 1000 Surfboard Graveyard progress:
<http://1000surfboardgraveyard.blogspot.com/>

SUSTAINABLE SURFING?

My two projects aim to capture audiences and advocate sustainability through the construction of large-scale campaign images.

Project 1: Patagonia Merino Wool Wetsuits is an advertising campaign that focuses on Patagonia's new eco-friendly Regulator wetsuit technology which is made up of Merino wool and recycled polyester. My aim was to promote their use of Merino wool as a step towards a more sustainably produced wetsuit, since neoprene is typically derived from oil.

Project 2: 1000 Surfboard Graveyard is an ongoing project where I aim to collect and install 1000 broken surfboards on Garie Beach like headstones at a graveyard. The project raises awareness about the non-renewable resource dependency and wastage of surfboards.



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URBAN PLAYScape

FOR THE CREATIVE YOUTH INITIATIVE

An architectural proposition evoking ideas of change in the urban environment, addressing the conflicts created between young people and other citizens. Responding to the issue of youth boredom, whilst also incorporating the needs of local business owners, the project embraces the idea of productive lingering and explores how the city can be activated for young people. Set in Northern Tasmania, the program is specifically tailored to the Launceston area, however the process is scalable and transferable so could be applied to any city in the world.



CLARE DUNLOP

M. ARCH (HONS)
 UTAS

A staged process begins with a bricolage shed, used as a creative workshop for the youth to participate in the making of their new urban environment. This facilitates the active engagement and a sense of ownership in the organic process, to gain ownership over the space, at the same time as creating more positive relationships with other community members as they display their ability to sell the products of their labour. Subsequent stages develop the site to it's full usage potential.

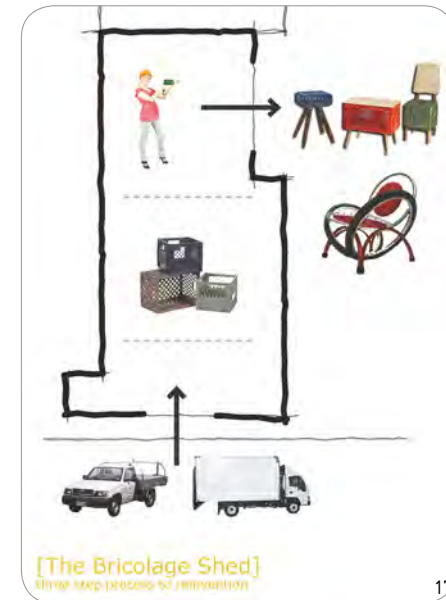
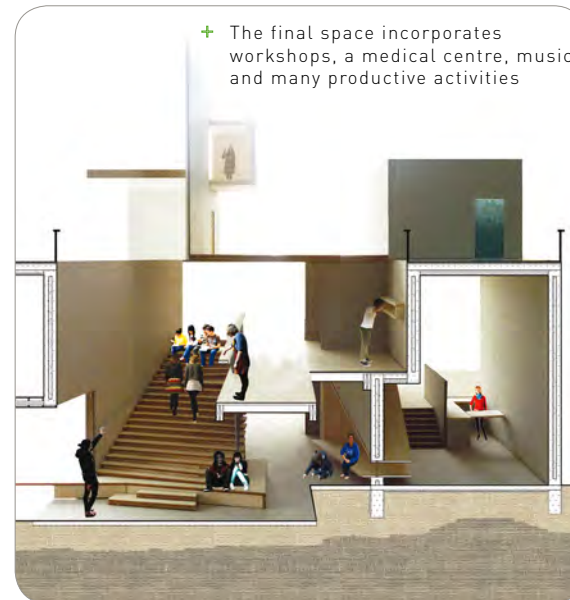
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+ Staged interventions increase functionality, utility and capacity for youth to engage with their city



+ The final space incorporates workshops, a medical centre, music and many productive activities



[The Bricolage Shed]
 three step process to reinvention





SENSORIAL ASPIRATIONS

Sensorial Aspirations is a series of soft sculptures made from knitted and crocheted woollen yarn coated in sculpture and bee's wax. Wool gives my hands the freedom to create two and three dimensional surfaces while allowing my mind and body to explore its sensuous nature. The rhythmic and repetitious movement of these construction techniques are meditative and encourage a physical and mental connection between maker and material. Thought and knowledge are embedded into the absorbent fibre with every action, this conceptual element is also realised through the process of immersing each work into hot wax.

This gradual process transforms the wool, exploring its versatility and endurance as a fibre with endless potential as both material and concept.



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THE 'P' PROJECT

PHOS4US & TAKING THE PEE



Phosphorus is a key ingredient of agricultural fertilisers. World phosphorus supplies are finite and are rapidly becoming exhausted. A UTS project identified human urine as a ready source of Phosphorous and utilised urine diversion toilets to collect and redistribute this essential element. UWS design students then became involved in solving the design challenge: to visually rethink and convince patrons of the need to implement this strategy and consequently to induce men to sit down to urinate so as to effectively achieve the urine diversion goal.

Related issues were also addressed, such as the cleaning and use procedures required to avoid contamination of the end product. The project situates visual communication design as a core component in changing cultural perceptions and attitudes to waste vs resource, as well as having an important role in influencing social habits of practice.



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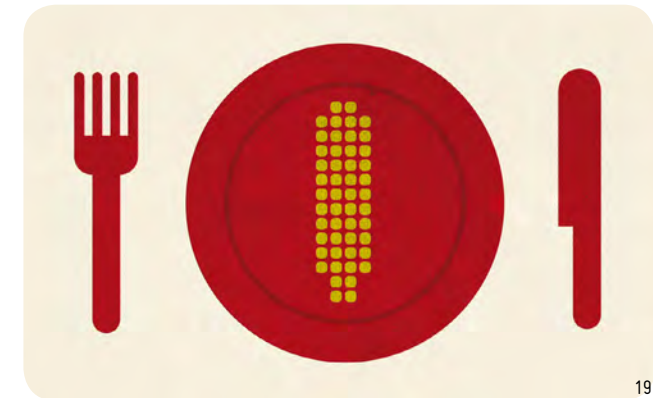
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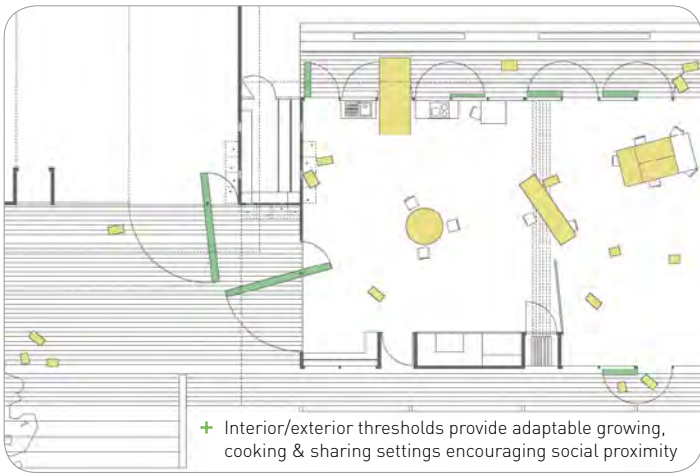


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+ Interior/exterior thresholds provide adaptable growing, cooking & sharing settings encouraging social proximity



+ Victorian College for the Deaf (VCD) development sketch



THE EDIBLE INTERIOR AT THE VCD

The Edible Interior at the VCD uses food as a medium to strengthen a community at a school for deaf children.

The proposal saw the three portable classrooms of the primary school be reduced in size and moved to allow a closer proximity between the spaces. In addition to that the size of the vegetable garden grew to allow the school to expand an existing food education program. This in turn allowed for a stronger relationship between the primary and secondary students and thus the whole school community.

The aim of this project was to develop a vision for a new way of learning about food and sustainability, from garden to café to table, right in the school's backyard.



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SMART SWIPE

ADVERTISING PROJECT



Swipe Card aims to cut down on the number of cards that people use and makes them aware of the facts about the credit card itself as an object, and how it causes an impact on the environment.

It will provide the multiple services of not only their credit cards, but also their utility service cards and many more in just one single card.

Swipe Card combines convenience and the significant objective of fulfilling an individual's social responsibility by cutting down on their usage of a plastic product, which in turn helps to reduce their carbon footprint.



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Thumbprint Security **Swap Service** **Block Service** **Any Four Services** **Eco friendly footprint**

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 Address: 7/288 Wattle St, Ultimo, NSW - 2007
 DoB: 14/08/1984

Date of issue - 02/08/2010
SAMPLE CARDS AND LOGOS ONLY
 nab

Smart Swipe
 More than just a card
 Let's contribute to green world

Credit Cards-PVC
 The pattern of average consumption of credit cards in Australia is surprising, but even more surprising is the the production and consumption patters of the same world wide. Around 6 billion cards were produced last year world wide which by no means is a small number.
 The amount of PVC (Polyvinyl Chloride) used to make these many cards therefore is huge... Australia alone, in 2009, consumed about 13.1 million cards alone. If you calculate the carbon footprint while using a single card, you won't believe what damage you are doing. On an average, Australians use 5-6 cards with that let's do some number crunching. One Kg of PVC, which is used to make cards, has an approximate carbon footprint of 4.1kgs of CO2. An average card weighs around 5.07 grams, therefore, the CO2 footprint of one card comes to 21 grams, including the water and energy consumed in production. So an average Australian contributes around 100grams of CO2 just by procuring one card. A cards carbon footprint doesn't stop here. The envelope and paper used to bring in the card add another 10-15 grams of CO2, or roughly 50 per cent more to the card's carbon footprint. Worse, PVC cannot be dumped as it stays forever and if it is burnt, it emits greenhouse gases which are harmful for human beings. So much for using a card, did you even bother to know.

Home About us Issues Solutions Take Action Our Services Donate

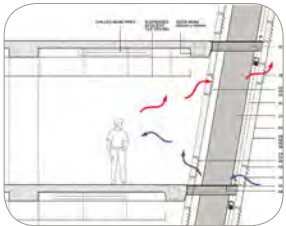
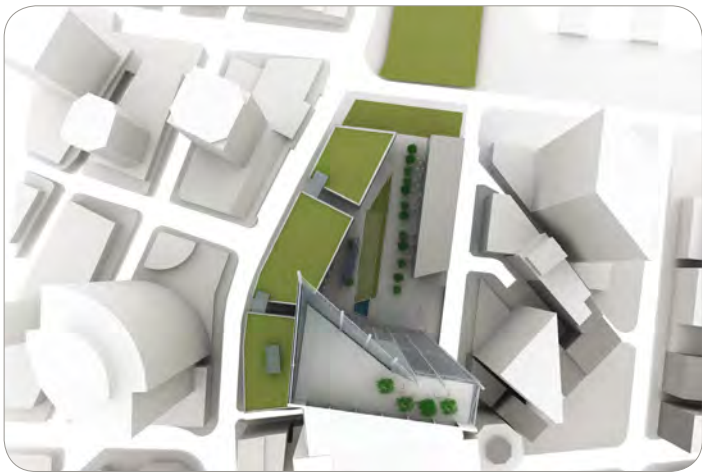
Climate change
 Deep sea destruction
Credit Cards-PVC
 Deforestation
 Deep in engineering
 Nuclear power
 Overspending
 Peace
 Whales

Leave
 Eco friendly footprint

In 2009, Australia left behind 283.5 tonnes of carbon foot print in producing only credit cards

An effect that the environment is not able to accept. Use Smart Swipe card and contribute to a green world

- + Aims: To create a functional Eco-Friendly card system that's Convenient and Secure
- + Methods: A plan to load multiple credit cards on one
- + Research and develop viable PVC alternatives with much smaller Enviro footprints
- + Multimedia marketing campaign to highlight costs/benefits 21



VISUAL TRAJECTORIES

URBAN STREET,
PLACE, WORK, SKY

Connectivity Tower challenges the design of high rise buildings and aims to create a comfortable and energy efficient working environment through the use of passive and active design strategies, which work with the location and orientation of the site. These strategies include a double skin facade, naturally ventilated central atrium, automated shading which tracks the sun throughout the day, triple e coated self cleaning glass and chilled beams for cooling. It also includes on site power generation in the form of trigeneration (electricity, heating and cooling), monocrystalline photovoltaics for energy use within the tower and hydroponic farming with vegetables grown for cafes in the tower, as well as the use of planting to purify air and increase indoor air quality. These sustainable strategies increase the functional aspect of the building whilst alleviating its impact on the environment.



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COLLECTIVE 1.0

NEW WAYS TO
FASHION AND
TEXTILE DESIGN



My collection is an experimental look at new ways of creating sustainable fashion. What defines new? Where does it all go? This project is about creating a new 'Future Tribal' culture where sustainability is at the core of its beliefs. A collection of ideas surrounds the notion of sustainability in my work. One such idea is the pursuit of the organic garment. Conventional cotton farming involves the use of pesticides which inevitably run into nearby rivers, affecting the quality of drinking water and hence the health of the local community.

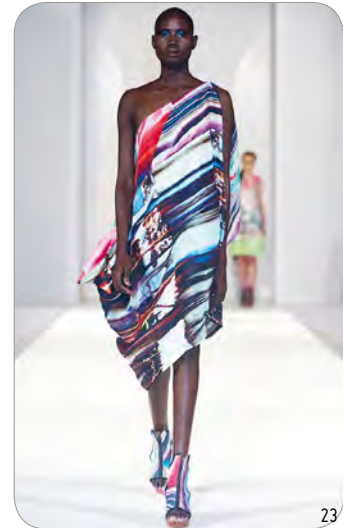


LAURA POOLE

B. FASHION DESIGN
UTS

The knowledge of the provenance of a material (its origin, journey and the process of its manufacture) are integral aspects of my practice. Zero waste is also key to the design of the garment's pattern so that no material is wasted. The items in this collection are transformative and call for user-participation so that you can spend and consume less to create more, more that is unique. Together we create valuable fashion.

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FLAT PACKED SURGICAL LIGHT

In developing nations, power outages or no access to an electrical grid, mean hospitals are often left without lighting. Throughout rural Africa and Asia, kerosene lamps can often be the only light source in a hospital.

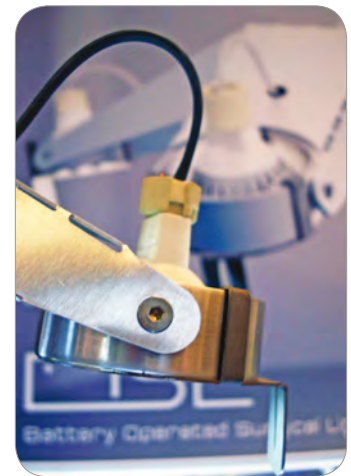
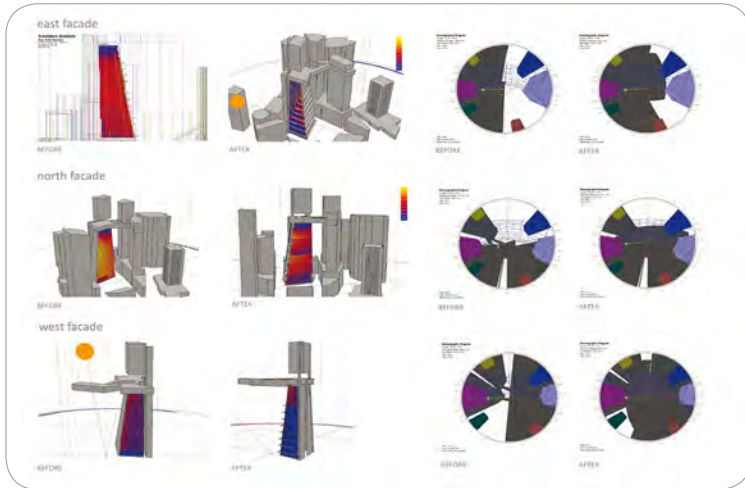


MICHAEL O'BRIEN

B. INDUSTRIAL DESIGN UTS

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I have designed a low cost; battery operated Surgical Lamp for developing nations. The surgical lamp is powered from a 12 volt car battery which can be charged from a solar panel. The head of the lamp is simply one piece of folded sheet metal, allowing it to be flat packed for shipment and assembled on-site with a screw driver. Once assembled the surgical lamp is light weight and can be easily transported. This medical lighting solution will reduce the number of deaths caused from poorly lit surgeries.



REVITALISATION SUSTAINABLE VERTICAL CITY

Population growth and the push to live in a city is a universal problem placing pressure on limited resources such as land. High density living is one solution that could address this. Located at the western end of Circular Quay, the APDG Tower aims to revive the historical Tank Stream which holds communal importance to Sydney-siders. It will collect Sydney's urban topography, the city grain, and its urban fabric re-constructing them into sustainable vertical layers.

The 48-storey mixed-use tower consists of strategically arranged offices, vertical villages, retail ring, sky garden, and residential units. Design strategies are carefully applied with modelled and tested shading treatments to ensure optimised results are achieved.



LILY TANDEANI

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- + Allows long term storage of seed stock
- + Uses existing technologies in a new way
- + Portable, solar powered, quick and easy to set up and use



NITROGEN SEED STOCK PRESERVATION SYSTEM

Developing agricultural communities around the world are often situated in areas prone to weather extremes, geological disasters and civil unrest. All of these can lead to the destruction of the seed stock these economies rely on.

This Nitrogen Seed Stock Preservation System will assist these communities to preserve seed stock for extended periods of time. This product makes a suitable 'atmosphere' by separating Nitrogen gas from the air using existing membrane separation technologies and doing this in a portable backpack solar powered unit.

The Nitrogen generated is pumped into a sealable container to purge out all Oxygen. A moisture absorbing pack is added to the seed and the container sealed and stored in a stable, low temperature location until required.



PHILLIP BRIEN

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DIS|INTEGRATE BONDI JUNCTION

Currently Bondi Junction does not offer the tools to its residents to encourage growth in its density and make the precinct more attractive to family groups.

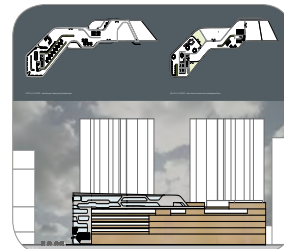
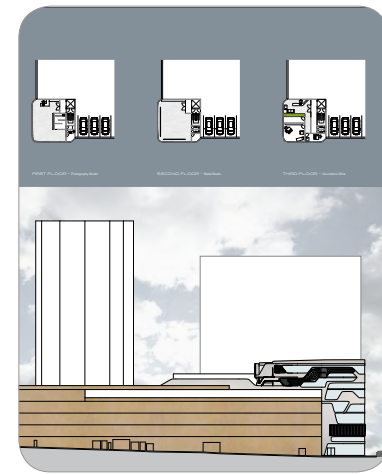
DIS community centre offering multiple facilities for a growing community. The difference lies in the way it goes about encouraging this community interaction through physical and visual connections both within the building and from outside. Through a combination of flexible spaces, the design has a level of adaptability built in through its parasitic quality and essentially can be manipulated to suit a multitude of needs. It collects, filters and reuses rainwater through a green roof system and internal green walls. It reduces the dependence on mechanical heating and cooling through a smart façade system that controls sun and daylight access.

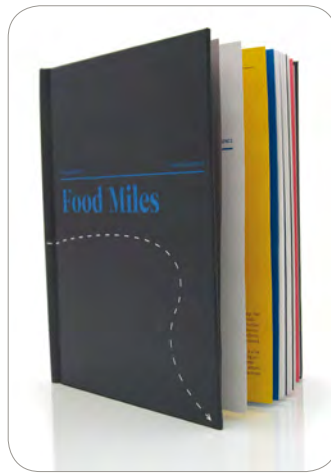
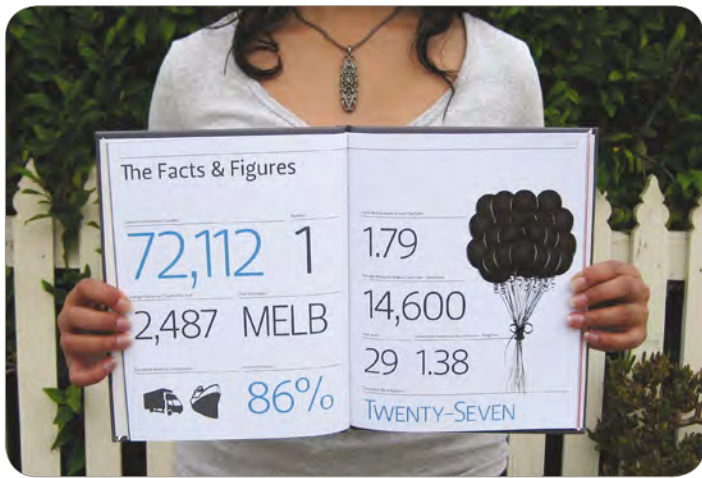


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+ Data visualisation, more tangible concept of distance and environmental cost, and increased awareness of responsibility relating to our food choices

FOOD MILES: AN ILLUMINATION

Food Miles are a significant, though largely unseen and unknown, global issue and environmental concern.

The aim of this project was to visualise Australian Food Miles data, and the subsequent green house gas emissions produced, as a way to make the food miles concept more tangible, accessible, and engaging for the audience. This brief exposé aims to increase awareness of the impact of our globalised food system, and the fact that we are all actively a part of it.

The data was sourced from a 2007/2008 food miles study of Melbourne, produced by CERES Community Environment Park, located in East Brunswick, Melbourne. <http://www.ceres.org.au/>



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COT TO COFFIN



Cot to Coffin – a conceptual piece of furniture–explores the ‘lifespan’ of material objects in relation to human life. Essentially a bed, Cot to Coffin blooms and dies in parallel to the human life-stages and seeks to create an awareness of our existence in relation to the objects that journey with us.



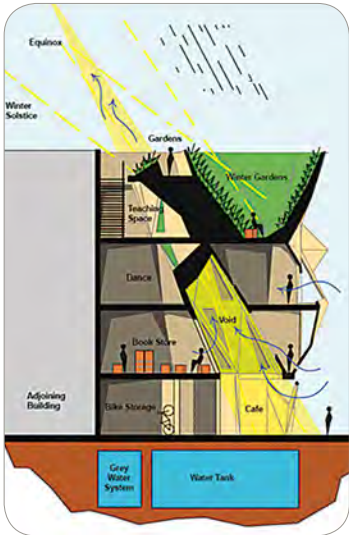
RHYS TUCKER

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Cot to Coffin is created within its own service system: the timber resource is planted and grown in parallel to your life. Eventually serving as a final resting vessel at the user’s death, both object and user become a means of regeneration within the same system that birthed it. Cot to Coffin signifies the interdependent human/ nature relationship that exists and asks the user to surrender both the object and themselves to the earth in exchange for its life-long service.





- + Connection - To reconnect Summer Hill to its surrounds and cooperate with the proposed West Lewisham Development by creating an activity centre for the Community. The building promotes sustainable transport options by linking into nearby rail infrastructure and providing bike facilities
- + Green Oasis - To maintain the green atmosphere of Summer Hill. The design includes gardens to produce the food for the Café, while teaching the community about small space gardening techniques
- + Crime Reduction - Reduce the amount of Non - Domestic Break and Enter Crimes that happen in the Centre of Summer Hill by providing activities to extend the hours of use of the development to encourage street activation and community involvement
- + Carbon Neutral - Promotes sustainability at both urban and local levels through sustainable transport options, local food production, teaching the community about small space gardening techniques, natural light and ventilation of spaces, using materials and thermal qualities to the best use, capturing and recycling water, and generating energy to power the building and balance the construction carbon footprint

ZERO CARBON COMMUNITY CENTRE

Summer Hill is a perfect suburb. However, there are things happening in and around Summer Hill that will affect how the suburb grows into the future. Research indicates four key aims for the suburb: Connection, Green Oasis, Crime Reduction, Carbon Neutral.

The urban concept of this building is to provide a pivot, linking the existing Summer Hill to the proposed West Lewisham Development. The programs within the building aim to engage with the community and relate to the 4 key aims for Summer Hill. The building promotes sustainability at both urban and local levels. The programs of the building include a Bike Café, Local Food Market, Book Store, Dance Space, Teaching Facility and Gardens.



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Investa Property Group

'Investa is delighted to be associated with the SRD Change exhibition over four years and providing a venue for the second time. We share SRD's commitment to good design that reduces environmental impacts and improves social outcomes and are keen to support the next generation of designers who are showing their passion and talent for sustainable design.' - *Craig Roussac, General Manager, Sustainability, Safety & Environment, Investa Property Group.*

Investa Property Group is one of the largest unlisted owners of commercial real estate in Australia and enjoys an international reputation in sustainability. Testament to Investa's sustainability innovation and commitment is its most recent sustainability report, in its ninth year of publication. The report can be viewed at: www.investa.com.au/sustainability/2010



40 Mount St Nth Sydney promoting best practice with six star green star design and as built status plus Australia's first tri-generation precinct and BIM design

Sydney Design Is Old New Again?

We are living in a world where change is so rapid that our notions of 'normal' are constantly shifting. In all areas of design, practitioners are mining tradition and marrying cutting edge technology with a new human sensibility. You can see it in media, food, popular culture and the arts but nowhere is this more pronounced than in the world of design. It's a collision between design, tradition, innovation, heritage and experimentation. Designers everywhere are reworking, recycling, and reconfiguring everything about the way we think, behave, create and design. At the core of this is a craving for sincerity, honesty and fairness. Is the past offering a new starting point? Over 100 events across Sydney.



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For five years now, Adobe and SRD continue to enjoy a special partnership in promoting the new values in good design. Through this encouragement of positive creativity, many solutions for our future will be given the opportunity to shine. This process is an investment in rising design stars that deliver a continuing flow of insightful results to learn from and build upon. It is easy to appreciate the depths of research and clever solutions that spring from this and we're proud to be associated with and support projects focusing on innovation across Australia and globally.

SRD thanks Adobe for the Creative Suite® 5.5 Master Collection and Creative Suite® 5.5 Design Premium software as major prizes.



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SRD acknowledges the significant contributions made by many more than those listed here in creating this event series. **LOGO / GRAPHICS** Christopher Anderson; and all C11 team **EXHIBITION** Philip Lim, Kalyan Basetty, Christina Kim **SUSPENSION STRUCTURE** Phillip Brien **TOWERS / WALLS** SRD M.A.D.E. Accountable 1995 **SPONSORSHIP** Florian, Cheryl **HOSPITALITY** Balin Lee **CATALOGUE** Alice, Amata, Adi, Rebecca **WEB** Rhys **PR/Smedia** Clare, Amandine and the team **INKIND** Business support: Colquhouns Chartered Accountants; X-Board, 100% recyclable & biodegradable, supplied by Imedia; Local Ale, Lion Nathan **UTS** for use of meeting spaces in Ultimo; Input from Design and Architecture Lecturers and departments from many Universities **PLANNING and SUPPORT:** Cheryl, academics, friends, supporters & the whole SRD Executive **PROJECT manager/curator:** Greg Campbell_)esign()z



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