March 2010

Intersection

PAMSC Quarterly Newsletter No. 02/2010

E-mail: pamswk@streamyx.com

Pertubuhan Arkitek Malaysia
Sarawak Chapter
(PAMSC)

SHANGHAI - WORLD EXPO 2010

上海

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Coming events to watch out for.....

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April 2010

GBI Forum ans
MS 1525 Seminar
March 2010

MEMBERS NITE 2010

Members Nite
6th March 2010

Building
Inspection Course
March 2010

CPD

PAMSC CPD Seminar:
'Green Building'
coming soon !

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CHAIRMAN'S MESSAGE

Since the successful launching of 1st Issue of INTERSECTION under the new Editor Ar. Ivy Jong and assisted by Ar. Wee Hii Min, we have received many compliments from our members as well as from the Sabah Chapter, on the' New-Look' and interesting structure of the INTERSECTION newsletter. I would like to commend the Publications and Information Sub-committee for a job well done and hope that the sub-committee will bring INTERSECTION to new heights!

For the year 2010, PAMSC has lined up several major events and programmes to be implemented in the next few months. In March, PAMSC will organize the GBI (Green Building Index) Forum and MS 1525 seminar. It will be full day CDP programme conducted by GBI Sdn Bhd., a company formed by PAMKL. ACEM and IEM Sarawak Branches have expressed their support and interest to participate in the Forum. The intention of this forum is to promote sustainability in the built environment and to raise awareness on environmental issues.

PAMSC will also organize another Sustainable Design Forum in April 2010, local and international speakers have been invited to speak about their projects and to share their experiences in relation to 'Green Architecture'. Details on the Design Forum will be sent out to chapter members soon.

A trip to the Shanghai World Expo has been scheduled for the end of May 2010. After the encouraging response from our members on our study trip to Beijing Olympic Games' venues last year, we anticipate that even more members will be interested to join the Shanghai trip this year. The PAMSC Event Subcommittee is finalizing the details for the trip and members will be informed accordingly. As there are limited seats for the trip; it will be a first-come-first-served basis for registration.

Lastly, we hope you will all continue to enjoy and support the 'New Look' INTERSECTION; we urge our fellow members to make use of this platform to share ideas and opinions; and to feature your work. The INTERSECTION belongs to PAMSC members and we should take pride in nurturing it and sustaining its development.

Wish you all a prosperous year ahead!

Ar Desmond Kuek
Chairman
PAMSC

EDITORIAL

It is with great anticipation that we welcome the new Chinese lunar year of the Tiger. It has been a 'roaring' start for INTERSECTION and our editorial team is pleased to present to you, our 2nd issue for the year 2010 of our chapter's newsletter.

There are a few interesting events and happenings within our profession in the coming months. We are pleased to be able to share with you in this edition with the hope that you will benefit from them. Your participation and support towards these events will also enable PAMSC to organize more of such events in the future.

Again, we take this opportunity to invite those interested to contribute to INTERSECTION especially to our fellow members outside Kuching. Let us know if there are any events or issues in your area that is worth a 'shout'. We hope to ensure that INTERSECTION will be informative and relevant to our architectural community in Sarawak. As such, we very much look forward to your input.

Here's wishing everyone a prosperous and successful year ahead!!

Ar. Ivy Jong
Editor

Please contact the secretariat at 082-457189 (Melinda) or mail:pamscintersection@gmail.com should you wish to contribute.

Malaysian Pavillion@the EXPO

Expo 2010 will be held in **Shanghai, China;** the theme of the exposition will be "Better City – Better Life" and signifies Shanghai's new status in the 21st century as a major economic and cultural center. The expo Logo features the Chinese character 世 'world' modified to represent three people together with the 2010 date.

- From Wikipedia, the free encyclopedia

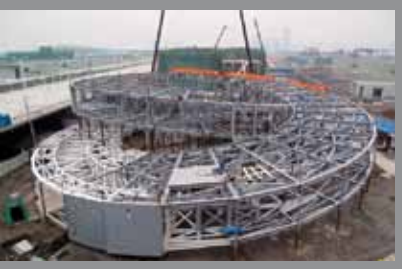
The Event committee under Ar. Mike Boon and Ar. Ken Chan are organizing a trip tentatively from **28th May 2010** to **2nd June 2010** to Shanghai Expo. The tentative cost is **RM4,000. 00 per pax (Twin sharing basis)**. Single occupancy will cost approximately an additional **RM600.00.**

Details of the trip will be finalized shortly. PAMSC will send out details of the trip via flyers to members by end of February 2010. For those interested, do ring PAMSC centre and register on or before **15th March 2010.**

SHANGHAI SURPRISE

While the Committee is finalizing the trip to Shanghai in May this year, the following article is a list of highlights and must see destinations – collated from the 2010 Expo website, Wikipedia and the Yahoo! Travel website. Written by someone who has not been to Shanghai; this is a wish list of places to see and things to do. Enjoy!

The Danish Pavillion @ the EXPO



BIG's (Bjarke Ingels Group) Danish pavilion in Shanghai 2010 would not only exhibit the Danish virtues, the visitors are able to experience some of Copenhagen's best attractions: the city bike, the harbour bath among others. 1500 city bikes will be offered for general use to the visitors during the Expo.

The original little mermaid sculpture will be travelling to China; this clearly illustrate the Danish pavilion's aim to provide a real experience of Danish city life.

Shanghai Urban Planning Exhibition Hall

This museum has five floors that detail the ambitious plans of Shanghai's urban planners. Visitors are provided with a glimpse of how Shanghai will look like in a couple of decades. The centerpiece on the third floor is a huge model of the city as it is now. In the basement, old Shanghai is rebuilt with house entrances, cobbled streets, actual shops and teahouses.

The Bund

This four-kilometer-long thoroughfare is listed as one of the top 10 tourist destinations in Shanghai. Lining the Bund are buildings of different Chinese and Western architectural styles, chronicling the urban history of Shanghai. Building heights are restricted in this area. The modern skyline of the Lujiazui across the Huangpu River is in contrast with the silhouette of the Bund; and as the night sets in, the scene along the Bund is breath-taking.

Oriental Pearl TV Tower

One of the city's tourist landmarks; it serves as the radio and television broadcasting tower as well as a venue for recreation and sightseeing. The 460-meter-tall tower is the highest TV tower in Asia and the third highest in the world. Tourist can get a bird's-eye view of the city at the 263-meter-high observatory room and the 350-meter-high "space cabin." Not to be missed is the museum on the ground floor featuring the city's history, including the life-like scenes of old Shanghai streets.

The Shanghai Art Museum

The Shanghai Art Museum is located in the former clubhouse building of the Shanghai Racing Club. It sits on the edge of People's Square, and was once the Shanghai Horse Racing course. The building has one of the most prominent clock towers in the city, (besides the clock tower on the Bund in Pudong.) The clock tower in Kathleen's 5 has historically been associated with decay and corruption in the city, as it is often inaccurate. However, it was renovated in 2006 and has been accurate since then.

On the top of the art museum is the Kathleen's 5 restaurant, a well-known eatery in Shanghai.

By Ar. Wee Hii Min

Shanghai Xintiandi

Shanghai Xintiandi is an urban tourist attraction imbued with the city's historical and cultural legacies. The 30,000-square-meter trendy entertainment complex is nestled in the very center of the city, close to the bustling Huaihai Road. It showcases the perfect blending of Shanghai's traditional "Shikumen" (stone-gate) houses and state-of-the-art buildings. It features a multitude of restaurants and cafes, retail, entertainment, cultural and recreational outlets in restored `Shikumen' buildings.

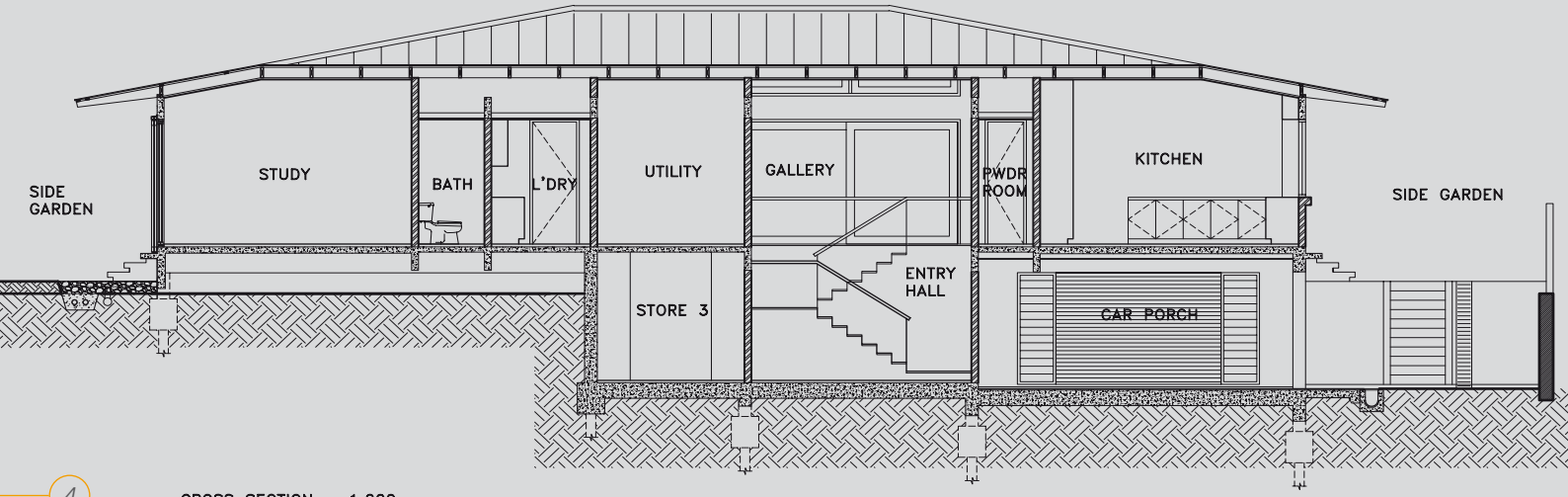
J-HOUSE

A brief description of the house by the architect.

I once received a lovely backhanded compliment when an acquaintance said that this house 'looked like a warehouse'. As a bungalow, many would consider the design for this house 'wrong' or 'bad' – it doesn't have a large, curving driveway that leads up to a port-cochere, does not have a tall two or three storey monument-like presence on the street, and does not have steeply-pitched tiled hip roofs with RC gutters. The service areas are not inconveniently located in the back, and there are no classical motifs in bright, wedding-cake colours. Instead, it is mostly a single storey building with a long and skinny plan bent to the minimum allowed setbacks of the site, with one large Klip-lok steel skillion roof and truly deep eaves (no gutters). It has 'backwards' planning with the service areas in the front (and privacy to the living areas in the rear), and has a modest presence to the street. The styling of this house is intentional, but it is influenced more by the restrained balance and sophistication of contemporary Italian suits than the usual overscaled, 'look-at-me', theme-park pastel confectionery architecture that blights the better suburbs of Kuching.

It was the aim of both the architect and the client to investigate what a contemporary bungalow or detached house in Sarawak could be – it is mostly one room thick, with the bedrooms opening up to the quiet side (south), the service areas facing the noisy street side (east), and the living rooms opening up to both the view to the north and the garden to the west and south. In this sense, it is a tropical house as it maximises the external perimeter, and promotes cross ventilation. The construction is intentionally conventional and low-tech (as opposed to specialist high tech imported construction), with good detailing, long-term maintenance and ease or servicing in the forefront of our consideration. Reinforced concrete frame with brick infill and timber roof structure was employed, together with steel roof decking, aluminium framed windows and glazed doors. The floors were mostly timber tongue and groove floorboards, battened off the concrete slab, except in the wet areas where they were tiled. What is less conventional is how those elements are used in order to achieve good thermal properties necessary in a tropical house – brick walls are minimised on the perimeter, where large screened glass sliders are used, which are protected from low sun by screens and deep eaves. The roof space is also packed with 200mm thick polystyrene slabs, to stop the heat coming through, and the steel roof deck is low thermal mass, dispersing it's heat quickly when the sun goes down. The steel and timber sun screens doubled as security screens, and were all locally fabricated (machined, welded, hot-dip galvanised, etc.) in Kuching from commonly available elements, such as the Kancil car axle bearings used for the custom screen and gate rollers.

The design attempts to set a progressive agenda in that it investigates different ways in which houses in Sarawak might be thought about in terms of layout and construction, in order to produce a house contemporary in outlook, and that is responsive to it's environment.



CROSS SECTION – 1:200

INTERSECTION interviewed John Ting from Ting dan rakan rakan, the architect for the project. John Ting is an Australian architect and researcher who worked for Ting dan rakan rakan in Kuching from 1997-2003, and now runs a small practice in Melbourne. He has a Bachelor of Architecture from RMIT University, and is a registered architect in Victoria, Australia. He has also been a lecturer at RMIT University in Melbourne, where he taught design studios set in the tropics, construction technology and Southeast Asian architectural history. He is currently a PhD candidate in the Faculty of Architecture at Melbourne University, where he's researching the institutional buildings of the Brooke Rajahs in Sarawak.

Private dwellings usually reflect the character of the occupants – is it true for this house?

Yes – the clients are quite progressive in their outlook and the house tries to reflect that. The clients and I both shared a self-confidence and vision for their house which deliberately and specifically excluded grandiose classical gestures - we were interested in the possibilities of better ways to design a family house in Sarawak. The design addresses the street in a different way to most of it's bungalow neighbours in that it saves it's best face for the private rear part of the house. Most of the functions usually placed in the rear of houses in Sarawak are brought to the front, such as the kitchen, laundry and store room, and the rear of the house is then available for living areas. Usable private space was more important than a formal 'front' for us, and the 'back of house' functions are treated in such a way that an organised 'front' is still presented to the street. The rear was also the quieter part of the site, and the house was used as an acoustic barrier from the noisy Jalan Semariang.

Most of the house is one-room thick – making it very 'tropical' in section – how do you balance this aspect with the U-shaped plan?

Cross ventilation was a key part of the design of the house, with nearly all rooms having windows on two sides. The long and skinny configuration was to maximise this aspect, and also presented the short ends to the west. The linear plan was bent around the site so that we were right on the minimum setbacks from the front and side boundaries, which left more space in the back for the living areas to look out onto. The living area has openings to both the rainy northeast landas and the drier southwest winds in the middle of the year, where the sleeping areas face south and are protected from the northeast landas.

What were the most challenging aspects of this project?

The most challenging aspect of this project was deciding upon a construction system that fulfilled our aspirations for modular construction while also being economical, easy and familiar to construct by local contractors, and also easy to maintain. For example, we had thirteen numbers of the one type of sliding glass door throughout the whole house.

Does this house reflect your practice's design approach?

Yes, very much so. My design approach is very collaborative and engages the clients and consultants on many levels in order to come up with the optimum design at that time. I'm more interested in a design that fulfils both my aspirations as well as that of the clients, which might be why I have many repeat clients.

Did the client participate in the design and construction process?

Yes – the client was quite decisive, as the main layout was decided upon quite early in the process. The client was also heavily involved in the construction process, particularly in the sourcing of some of the materials and most of the fittings.

We understand that the client has made renovations to the house recently; how do you feel about this as the original architect?

I feel that the design of house should always be conceived as a starting point rather than a complete and never-changing object, so I expected changes to this house over time, as the needs of the client and his family changed. As the original architect, I encourage this process just as long as the renovations are carefully considered. I'm not saying that the extensions have to match the original design – the recent works done in the courtyard and the carporch do not look like they were designed by the same architect, but they respond well and fit in elegantly with the original house.

DESIGN FORUM ON SUSTAINABLE ARCHITECTURE 2010

Theme: Sustainable Architecture: From Theory to Practice

Date: Saturday 24th April 2010

"Sustainable Design" is one of the buzz words in the current design world as there is a realization that we all need to take immediate action or the World as we know it is in peril. However, very often the acknowledgement of a problem alone is insufficient. Many of us lack the knowledge and expertise required to solve the complex issues involved and to apply appropriate technologies in creating Sustainable Architecture. While there are many studies being conducted in academia and some private practices around the world, there is a lack of a common pool of knowledge which enable the practitioners to apply effective techniques and technologies in their projects.

The main intention of this Design Forum on Sustainable Architecture is to bring together a group of professionals who are at the forefront of Sustainable Design. The mix of speakers is arranged to promote a balanced view of creating Sustainable Architecture – from both the theoretical standpoint and in actual practice. It is hoped that through the sharing of ideas, the participants would gain a better understanding on the subject, and be inspired to put it into practice.

The confirmed Speakers for the Design Forum are:

Kevin Low – Small Projects

Kevin Mark Low conceptualize, design and build things by way of a process rooted in phenomena. His work is primarily architectural, though there are side orders to his concerns. He spent nine years in the United States, studying and traveling on research grants to Italy, North Yemen, Spain and Bangladesh, before moving back to Malaysia and culture shock in 1991 with degrees in architecture and a minor in art history. He joined GDP Architects upon his return to Kuala Lumpur where he stayed for the next ten years, running the research and special projects department and designing architecture, master plans and mailboxes.

Professor Dr. Roger Fay

Roger Fay is the Professor and Head of the School of Architecture & Design, University of Tasmania. He has taught at Deakin University and RMIT as well as practising as an architect in Australia and the UK. Roger is a Registered Architect and a Fellow of the AIA.
Research Interests

Sustainable design including:

- affordable housing;
- the environmental assessment and rating of buildings;
- life cycle energy analysis and simulation;
- design processes leading to improvements in the environmental performance of buildings;
- design for sustainability for people with dementia.

Professor Dr. Singh Intrachooto

Singh Intrachooto is Head of the Building Innovation and Technology Program at Kasetsart University Architecture, Bangkok and Design Principal at OSISU, Thailand's leading eco-design venture. He holds Doctor of Philosophy degree in Design Technology from Massachusetts Institute of Technology (MIT). His design evolves around sustainable design concept as his research focuses on identifying patterns of technological innovation in environmentally responsible architecture.

Dr. Intrachooto's investigations also include material developments from manufacturing and agricultural by-products as well as waste reclamation from buildings' construction and debris. He is considered a pioneer of ecological design in Thailand. Of particular interest is his focus on bridging academia and industry to leverage technology, education and production approaches to stimulate environmentally responsible innovations within the design and architecture industry. Dr. Intrachooto also teaches design at the School of Architecture and Urban Planning at the University of Washington and gives lectures in Taiwan, Japan, Hong Kong and the United States while maintaining his design practice in Thailand with industrial products, residential works, commercial facilities and urban redevelopments.

He is Design Innovation Ambassador for Thailand's National Innovation Agency. In 2007, he received Thailand's Emergent Designer of the Year Award, Elle Décor's Designer of the Year as well as Top Environmentalist 2008 Award from Thailand's Department of Environment.

Another invited speaker from Australia is yet to be confirmed.

This one day Design Forum will be held at a leading hotel in Kuching on Saturday 24th April 2010. Registration for PAM Corporate Members is RM 200.00, Registered PAM Graduate Members RM 150.00, Non-Members RM 300.00, and students with proof of status RM 100.00. Registration Forms will be circulated to all PAM Members soon. 4 CPD Points has been applied for.

INTRODUCTORY SEMINAR FOR PART 1 & PART 2 EXAMINATION AND PART 3 PROFESSIONAL EXAMINATION

Information courtesy of PAM Centre. K.L.

PAM Education Committee are inviting graduates to attend this seminar to have a better understanding of the requirements & syllabus of Part 1 & Part 2 Examination, and Part 3 Professional Examination including the Professional Experience needed to qualify as candidate for Part 3 Professional Examination.

Venue: **UCSI University Auditorioum, North Wing Building, Taman TayntonView, 56000 Cheras, Kuala Lumpur.**

Date: **Saturday 6th March 2010**

This seminar is **FREE** to all PAM members, with a commitment fee at registration that will be refunded to the participants. Registration on a first come first served basis. Walk-in registration may not be accepted.

To register email / fax to PAM Secretariat, PAM Centre Kuala Lumpur
Fax: 03- 2692 8782 or email to saiful@pam.org.my

Seminar programme:

8. 30 a.m.	Registration
9. 15 a.m.	Welcome speech
10. 30 a.m.	Part 1 & Part 2 Examination
11. 00 a.m.	Part 3 Professional Examination
1. 00 p.m.	Lunch
2. 00 p.m.	Part 3 Professional Examination Continues
5. 30 p.m.	End of Seminar

Registration Fees:

NON PAM members:
RM20. 00 Part 1 & 2
RM100. 00 Part 3

Commitment Fees (Refundable):
PAM Members
RM10. 00 Part 1 & 2
RM50. 00 Full Seminar (Incl. part 3)

Limited to 120 participants only!

MOVIE NIGHT

WHO - SEE ABOVE
WHEN - 05 March, 7:30PM
WHERE - PAM CENTRE

HOW MUCH
- FREE (FOR PAM MEMBERS)
- RM2 FOR NON MEMBERS

STUDY! STUDY! STUDY! STUDY! STUDY! STUDY!

Henry Liang and group are having their study sessions every Saturday from 6 March onwards; he has notes and past year papers from the other architects who have sat for Part 3 and passed.

The tentative venue is at DNAhouse; time: 1:30 – 4:00 pm. Contact Henry at **henryliang67@hotmail.com**

Projeqz Initiatives Sdn. Bhd. is part of South East Asia's largest implementation group of project & design management systems, providing Project, Portfolio and Risk management solutions for organizations in the architecture, engineering and construction industries. Now we have move forward by having a team dedicated for Sabah and Sarawak based out of Kuching. We are authorized Autodesk and Primavera value added partners in Malaysia.

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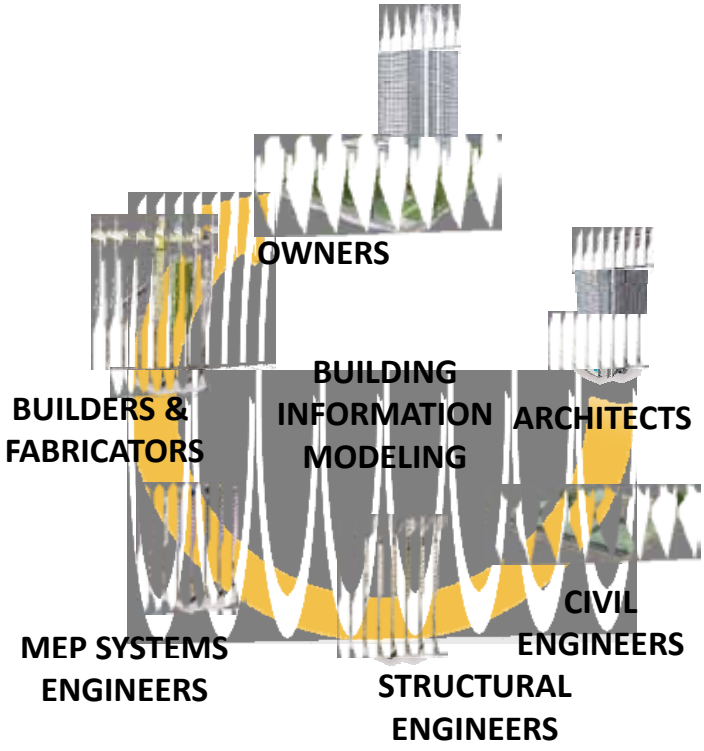

Our Support
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• Planning & Scheduling Services
• Preparation & Review Extension Of Time Claim (EOT)
• Full Range of Solution Training
• Project Base Training

Our Design Management Solution

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Autodesk® Revit® MEP Suite

Autodesk® 3ds Max® Design

Autodesk® Navisworks

Autodesk® Revit® Architecture

AutoCAD®

AutoCAD® Architecture

AutoCAD® Civil 3D®

Our Project Management Solution

- Primavera P6 Enterprise Project Portfolio Management
- Primavera P6 Professional Project Management
- Primavera Contract Management
- Primavera Risk Analysis

Customer Success Story

Autodesk Building Solutions

Arkitek Binarjaya, Malaysia

Autodesk Revit's Built-In Smarts and Ease of Use Provides Competitive Edge and Boosts Productivity

"Arkitek Binarjaya is committed to investing in innovative and advanced architectural solutions. These enable us to achieve continuous improvements and efficiencies within our entire design process, offering our customers greater gains in time and flexibility while maintaining profitability for us ". "We found that Autodesk's solutions, especially Revit, go a long way towards accomplishing this."

At the forefront of The Klang Valley, Malaysia's administrative, commercial and industrial hub, with over 25 years of experience, is Arkitek Binarjaya. It has built a specialized architectural practice noted for quality and an attention to detail . With such a track record, the need to stay competitive and on the cutting edge is a paramount objective. The firm, which garnered the coveted ISO 9001:2000 certification in 2003, constantly seeks tools that would give it an upper hand in delivering quality and innovation to customers.

Building Across the Board

Arkitek Binarjaya's initial encounter with Revit came at a time when it was looking for a design solution that would not only complete the task, but would also enhance the firm's entire design process. After considering everything else in the market, the firm chose Autodesk Revit which soon became a mainstay of the firm's
design process.

In an industry where time is of the essence and rapid turnaround time critical, the ability for instant design review in a full 3D environment and to make globally reflected design changes were key considerations in the firm's adoption
of Revit. "

We needed something that would fix our immediate need for a design solution while offering us better processes as well as growth and scalability as we grew in the market. Autodesk's Revit did this." said Henry Lee, Principal, Arkitek Binarjaya.

Prior to the use of Revit, several drawing concepts were required. With Revit, the entire concept of modeling – the space, floors, fittings - is within one model. Editing, sharing, and improving on the design can be expedited effortlessly, thus saving time and minimizing errors.

Customer Success Story

Arkitek Binarjaya, Malaysia

Boost in Productivity Levels

Citing the industry's move from standalone CAD solutions to Building Information Management systems, Mr. Tan Kee Keat, Project Architect explained, "The raditional CAD operator can now use 3D, which was previously restricted to designers due to the fact that you needed specific skill-sets. This posed limitations as to what we could do with it. However with Revit, we can now arrange our office in a more flexible manner. Even a novice CAD specialist can now produce the drawings and 3D at the same time without requiring a 3D specialist to do the job for him which saves time and makes things considerably more effective."

"If you make one change, then Revit will change the rest. Revit detects omissions in the model as well as we found out recently. We had omitted the staircase and roof from a project design that Revit picked up immediately. Through its 3D modeling functions, Revit allows us to see the missing links from the ground to top floor, increasing the level of accuracy in our projects and ensuring that everything is there. It allows us to anticipate potential problems before we proceed with construction which is invaluable and makes it especially useful for a junior draftsman who might not be able to foresee missing linkages."

Greater control can also be exercised over the quality of projects with Revit, as it significantly reduces redundancies and uncertainties during the construction phase of a project. Unlike conventional CAD drafting solutions, Revit renders drawings that represent the actual design of the building into a full 3D model.

Efficiency Plus

But how does Autodesk Revit stack up against the competition? The firm's design architect, Mr. Abi Sarwan who has extensive experience with other solutions attested to Revit's efficiency.

According to him, Revit enables users to generate a series of views from the same basic model and eliminates the need for several perspectives. It provides for file flexibility in terms of managing files, generating a report directly from designs and models rather than creating it individually. Revit also alerts users to issues that they need to be aware of during the construction phase of projects eliminating problems further down the road.

Although still new to the use of Revit, Arkitek Binarjaya has already begun to find the solution a vital asset. One of the key advantages lies in the fact that building elements remain constant across all models. This means that modifying the main model makes the corresponding changes in all the options while still maintaining the integrity of the building model.

> Revit has enabled us to achieve continuous improvements and efficiencies with in our entire design process, offering customers greater gains in time and flexibility while allowing us to maintain profitability.
>
> Henry Lee
> Principal
> Arkitek Binarjaya,
> Malaysia

Learning Curve

Mr. Lee recalled, "At the outset, we thought Revit was rigid and were quite daunted by the prospect of it being too technical for us. However, through careful planning of the project we found that it was actually quite easy to get into. It was all about optimizing our resources. Our staff has group sessions to exchange ideas and we also learn from each other what Revit can do. Through this, Revit has brought a greater sense of process, efficiency and competency to the way we do things."

Conclusion

Revit's time-saving and ease-of-use aspects coupled with its inherent ability to promote efficiency and produce accurate and fullycoordinated documentation offer a greater competitive advantage than anything the firm had used before. It definitely adds to a healthier bottom-line.

On whether the firm recommends Revit to its counterparts in the industry, Mr. Tan quipped, "Of course not! That would give them an edge over us!"

www.autodesk.com/revit

autodesk

Autodesk Asia Pte Ltd.
391B Orchard Road
#12-01 Ngee Ann City
Tower B
Singapore 238874

BUILDING INSPECTION TRAINING COURSE

You have probably received flyer pertaining to the Building Inspection Training course which have been organized by Architect centre. PAMSc is facilitating this so our members can participate without the unnecessary expense of going to Kuala Lumpur.

The course is OPENED to all Architects (PAM Members and non-members) including the industry professionals.

Basic Course: **One Day**
Course Fee: RM500. 00 (PAM Members)
RM600. 00 (Non-Members)

Date: 11th March 2010 (Thursday)

Advance Course: Two Days
Course Fee: RM800. 00 (PAM Members)
RM1000. 00 (Non-Members)

Date: 11 -12th March 2010 (Thursday & Friday)

Time: 8.30 a.m. – 5.30 p.m.

Venue: PAM Sarawak Chapter, Lot 7915, Queen's Court, 2nd Floor, Jalan Wan Alwi, 93350, Kuching.

Limited to 50 participants only!

Please contact PAMSC at 082-451 180 for registration or enquiry.

Closing date of registration and full payment by 5th March 2010 (Friday) 5.00 p.m.

greenbuildingindex

The Green building Index (GBI) is Malaysia's industry recognized green rating tool for buildings to promote sustainability in the built environment and raise awareness among Developers, Architects, Engineers, Planners, Designers, Contractors and the Public about environmental issues and our responsibility to the future generation.

GBI is developed specifically for the Malaysian-tropical climate, environmental and developmental context, cultural and social needs and is created to:

- Define green buildings by establishing a common language and standards measurement;
- Promote integrated, whole building designs that provides a better environment for all;
- Recognised and reward environmental leasdership;
- Transform the built environment to reduce its negative environmental impact; and
- Ensure new buildings remain relevant in the future and existing building are refurbished and upgraded to improve the overall quality of our building stock.

PAMSC TOGETHER WITH GREEN BUILDING INDEX SDN. BHD. IS ORGANISING A FORUM FOR WHICH WILL INCLUDE A MS 1525 SEMINAR TO KICK START GBI IN THE STATE. TENTATIVELY THIS IS ARRANGED FOR 20TH MARCH 2010. CONFIRMED DETAILS SHALL BE RELAY TO MEMBERS IN DUE COURSE. PAMSC LOOKS FORWARD TO YOUR PARTICIPATION.

For more information on GBI and what it is about, go to www.greenbuildingindex.org.

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PRACTICE NOTE

YOU SHOULD KNOW…..

KUCHING CITY CENTRALISED SEWERAGE SYSTEM

To counteract increasing pollution by discharge of partially treated blackwater and untreated greywater into our waterways, the government has set up the Sewerage Services Department Sarawak (otherwise known as Jabatan Perkhidmatan Pembetungan Sarawak or JPPS), to implement a centralized sewerage system for the city of Kuching. The first in Sarawak.

The system will eventually cover the entire existing Kuching city that flows into Sarawak River. The implementation of this system will be done in stages, starting with the most densely developed area. The areas are divided into 3 zones.

In a nutshell, the concept of the system is to collect all wastewater from domestic and commercial entities and channel it through a network of underground pipes to a central sewerage treatment plant. This is done with 'True Gravity Flow System'. The wastewater is then pumped up to the centralized treatment plant which treats the wastewater to Standard A effluent for discharge into our environment. The solid (sludge) component is further treated for landfill.

The first phase is target to be completed by year 2011. When this system is implemented and completed, it will be mandatory for these areas to discharge all their wastewater to strategically located manholes. All planning and design of waste water discharge will required to tap onto these designated manholes. The locations etc. will be provided by the relevant authorities in due course.

Currently the drafting of the guidelines on connections to the public sewerage system is underway. JPPS is liaising with the various professional bodies including PAMSC on this.

For futher information on how it is implemented, it's concept and details of the system, leaflets are available to enlighten you on this and they can be obtained from:

JPPS at Tingkat 7, Wisma Saberkas, Jalan Tun Abang Haji Openg. 93000 Kuching, Sarawak. Tel: 082-230450 Fax: 082-230460 Website: www.ssd.sarawak.gov.my

Brief Information condensed & compiled by Ar. Ivy Jong

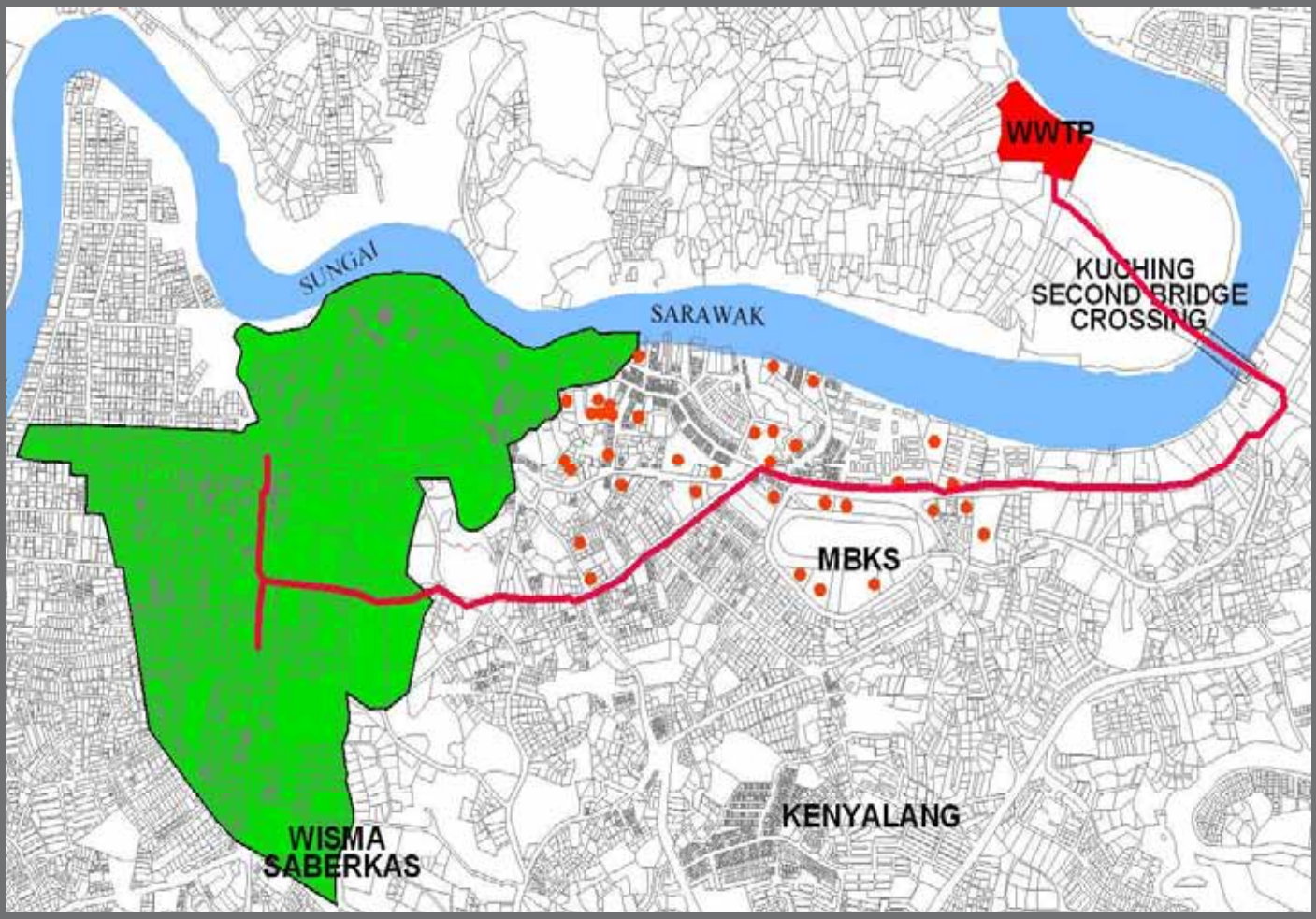

DIAGRAM SHOWING AREAS IN PHASE 1 WHICH IS TO BE COMPLETED BY YEAR 2011

INTERESTING FACTS & FIGURES:

COST FOR PACKAGE 1	: RM530 MILLION RINGGIT
TOTAL LENGTH OF PUBLIC SEWER	: 64.1 KM
LARGEST DIAMETER OF SEWER	: 1.5 M
DEEPEST MANHOLE	: 29M
DEEPEST SEWER	: 29M BELOW GROUND AT JALAN TAMAN BUDAYA
DEPTH OF SEWER UNDER SUNGAI SARAWAK RIVER BED	: 4M
NUMBER OF PUMP STATIONS	: 1 NO. (A COMPLETE GRAVITY FLOW SYSTEM)
LONGEST DISTANCE BETWEEN MANHOLES	: 340M (SARAWAK RIVER CROSSING)

BUILT HERITAGE OF SARAWAK ART COMPETITION FOR SECONDARY SCHOOL STUDENTS

PAM Sarawak Chapter with the support of ICI Paints Malaysia is organizing an Art Competition for Secondary Students from February to May 2010. The Theme of the Competition is "Built Heritage of Sarawak". This Competition is aimed at increasing the student's awareness of the richness and significance of our built heritage.

The Competition will be in 2 Categories – Junior Secondary and Senior Secondary. The Prizes are as follows:

Category A (Senior Secondary) – Form 4 to Form 5 Students

1st Prize	RM 800.00 cash
2nd Prize	RM 500.00 cash
3rd Prize	RM 300.00 cash
5 Consolations	Cash Vouchers of RM 150.00 each

Category B (Junior Secondary) – Form 1 to Form 3 Students

1st Prize	RM 500.00 cash
2nd Prize	RM 300.00 cash
3rd Prize	RM 150.00 cash
5 Consolations	Cash Vouchers of RM 75.00 each

Students are requested to submit original artworks in any medium e.g. pen & ink sketch, water colour, crayon, pastel, poster colour, oil, etc. Photographs and collages will not be accepted. The artworks must be of a building or group of buildings from the list of selected heritage buildings provided.

The Closing Date for the Competition is on 31st May 2010. Entry Forms can be collected from the schools or from PAM Sarawak Chapter Secretariat: 2nd Floor, Sub-lot 56, Jalan Wan Alwi, Lot 7915, Queen's Court, 93350 Kuching, Sarawak Tel: 082-45718 Fax: 082-451180. The Competition is fully sponsored by ICI Paints Malaysia.

PAMSC DONATE A BOOK PROJECT UPDATE

Greetings Fellow Architects !

Remember our Donate a Book Project ? The project is still on-going. So far we have received contributions from 16 firms. They are:

Akitek KM
Artemas Architect
ArKho Architect
Arkitek JFN
Arkitek Kueh
Arkiscape Sdn Bhd
Building Consult Integrated Sdn Bhd
Hyland Properties
Integrated Design Consultant
JRC Architect
Jusa Architect
Kacapuri Architect
Kong Lee Luang Architect
KS Tan Architect
United Consultants

All the firms have donated RM 200 each except for Ar Philip Chang of United Consultants who has donated RM 688.00. The total amount collected so far is RM 3,488.00 and we should be able to donate another 30 books to the MBKS library. Thanks to all those who have contributed.

Our goal and vision is to develop the MBKS Library into a reference library for the local building industry. Currently there is no such resource readily available. The closest would be the State Library at Petra Jaya.

If we all pool our resources together, we will be able to realize the vision much sooner that we can imagine. If each firm contribute RM 200, we will have around RM 14,000. That is enough to add more then 100 books to the library. Our target is to do this every year, so in 10 years we will have a collection of more then 1,000 books. So please dig into your pockets and spare some change. You can contribute more then RM 200 if you want, or a book or books of your choice. All contributions will be acknowledged. Please make the cheques to "PAM Sarawak Chapter".

USED EXTENSIVELY IN SARAWAK

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PolyVers International provides polyurea systems for industrial coatings and liners, joint sealants and joint fillers.

PolyVers polyurea, technical coatings and associated products find many and varied uses within industrial and commercial construction and maintenance. **PolyVers PV 350 (refer detail below)** is a fast set, rapid curing, 100% solids, flexible, two component polyurea elastomer spray coating material.

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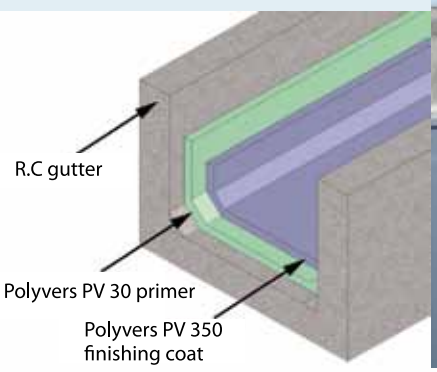

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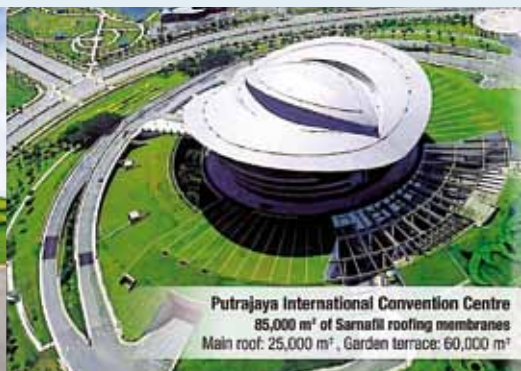

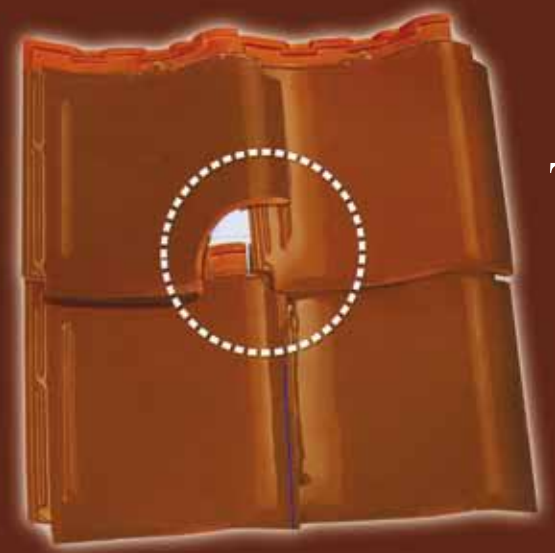

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- Laminated architectural design
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- Limited 30-Year Warranty*
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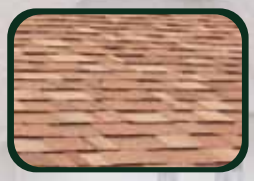

*See Limited Warranty for details.
**All IKO fiberglass shingles require an approved underlayment when applied on roofs with a slope less than 8/12. Class "A" Fire Resistance Rating is achieved only with the installation of an approved underlayment.

Note: Cambridge shingles available from Calgary and Sumas plants are designed with an angle cut.

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Durable
Not subject to rust, corrosion and brittleness.

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Tel: 603-6277 6488
Fax: 603-6277 6489
Email: jerus_deco@yahoo.com

PAMSC INTER PROFESSIONAL SPORTS:
RECRUITMENT ANNOUCEMENT !!

With the Inter Professional Sports Competition coming up in the middle of this year; the PAMSC would like to invite PAM members to participate and carry the 'torch' in representing the Architectural Fraternity.

The following sports have been listed for competition so far, (anyone interested in proposing any other sport/games; kindly contact Mr. Lee Chai Guan to submit your suggestion). For the following sports; those interested may contact the person in charge; participation is free of charge to all PAM members.

TENNIS	Mr. Lee Chai Guan	(H/P: 019 887 0086)
TABLE TENNIS	Ar. Daniel Su	(H/P: 019 886 9239)
BADMINTON	Ar. Bong Joon Hin	(H/P:019 889 6186)
FUTSAL	Mr. Lee Chai Guan	(H/P: 019 887 0086)
DARTS	Mr. Lee Chai Guan	(H/P: 019 887 0086)
BOWLING	Mr. Ricky Hong	(H/P: 016 860 1601)

Furthermore, the **Graduate Sub-committee** will be organizing Bowling Sessions very soon; the purpose of which is to form a permanent PAMSC Bowling team for the Professional games as well as for social interaction. This will commence sometime in March 2010. It's free, so come!

Please get in touch with **Mr. Lee Chai Guan 0198870086** or **Mr. Ricky Hong 0168601601** for details for those interested.

MEMBERS NITE 2010

Once again PAMSC have organized a night of **fun and camadarie.**

This invitation is **open to all PAM members and graduates; come** join the fun!
It is a **great opportunity** to catch up with friends and colleagues; to meet new faces; and to exchange notes on the architectural working life in Sarawak……

It is happening at **Garden Hill, Permata Carpark, Kuching**

On **Saturday 6th March 2010 at 7.30pm**

Dress code: 'up to you'!
Mystery gifts and lucky draws will be given!!

CPD SEMINAR : GREEN BUILDING

by Encik Azman Che Ri (unit Manager) Sustainable Building Development
Sponsored by Ajiya Safety Glass Sdn. Bhd.

This seminar will be organised in the near future. PAMSC will send out details to members.

"BRING WATER...AND YOUR HEART" - Eric Yap

This article is aimed at raising awareness among architects and students as to how we can contribute our skills and expertise meaningfully to the society.

The Big Picture:
Habitat for Humanity is an international non-profit organization dedicated to eliminate sub-standard housing in the world. Habitat builds houses for the poor of regardless of race and religion, by gathering volunteers of all races and religions together to help the needy.

You do not have to be skilled in construction to volunteer

Guidance and tools are provided

Background:
Habitat for Humanity Kuching (HFHK) is the first local affiliate in Malaysia, and was founded ten years ago by a group of liked minded people, namely Ar. Chiew Chung Yee, Pastor John Chin and others. The first house was completed in Nov 1999, and in February 2010. HFHK completed its 60th house in Kampung Tabuan Rabak

Weekend build - volunteer of all ages get to work with the Home-owners

Baby Steps:
There are many ways in which you can contribute:

Weekend Builds: Volunteers can take part in construction works of varying complexity from Bakau piling to painting and everything in between. School children can be involved as well with adult supervision; HFHK has a full time construction manager Eric Yap, to oversee and guide the volunteers.

Global Village (GV) Builds: Joining a GV team and work alongside international volunteers for a duration of 1 to 2 weeks. Volunteers have a chance to participate in more prolonged construction; often resulting in a greater sense of achievement and satisfaction.

Donation: You could (or encourage someone to) donate cash and/or building materials (such as bricks, roofing sheet, paint etc.) to HFHK.

Donate Time: Occasionally, we conduct walking tours around Kuching and short trips to Satok Market for overseas volunteers. This is to enrich their experience of Kuching and to promote cultural exchange.

Publicity: Spread the word about Habitat or simply upload photos from your recent Habitat trip on Face Book to generate interest and awareness.

By Ar. Leong Gian Wen & Wong Zi Tao

The house under construction

The completed house - note the high level of satisfaction

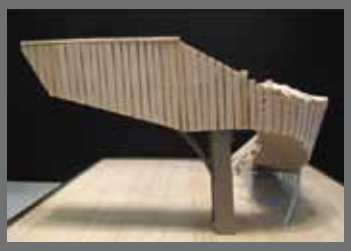
Please write to us (pamswk@streamyx.com) if you are interested to help, donate, or organise a volunteering trip for your friends and family.

For more information on Habitat, please visit the official website: http://www.habitat.org/

STUDENT WORK

LIMKOKWING INSTITUTE OF CREATIVE TECHNOLOGY (KUCHING)

This is the first in a series of articles aimed at highlighting the work of architectural students in local colleges; to bring focus on individual talents among young Sarawakians. In this issue, we showcase work from senior students at Limkokwing Institute of Creative Technology, who presented their work in DNA house in January this year.



BIO DATA

Azy Yanti bt Morni (Azie) 21, is an energetic and optimistic individual who had an interest in Art through her early years of drawings and doodling in secondary school. Later this interest combined her strength in Math and Physics developed into a quest to become an Architect. She took up a course in Architecture at Limkokwing Institute of Creative Technology (Kuching Campus) – since then she has developed her ideas based on architecture as 'physical poetry' - which can be seen in her 'bird watch tower' project.

She would like to travel more to indulge in her sketching and photography; she has a website: moisketchbook.blogspot.com in which she chronicles her thoughts through her sketches. Her dream is to shake hands with Bjarke Ingels from B I G.

ANTHEA LIEW "Threshold"

DANIEL TIONG "Bird Watching Tower"

SAIFUL AMRI "Bird Watching Tower"

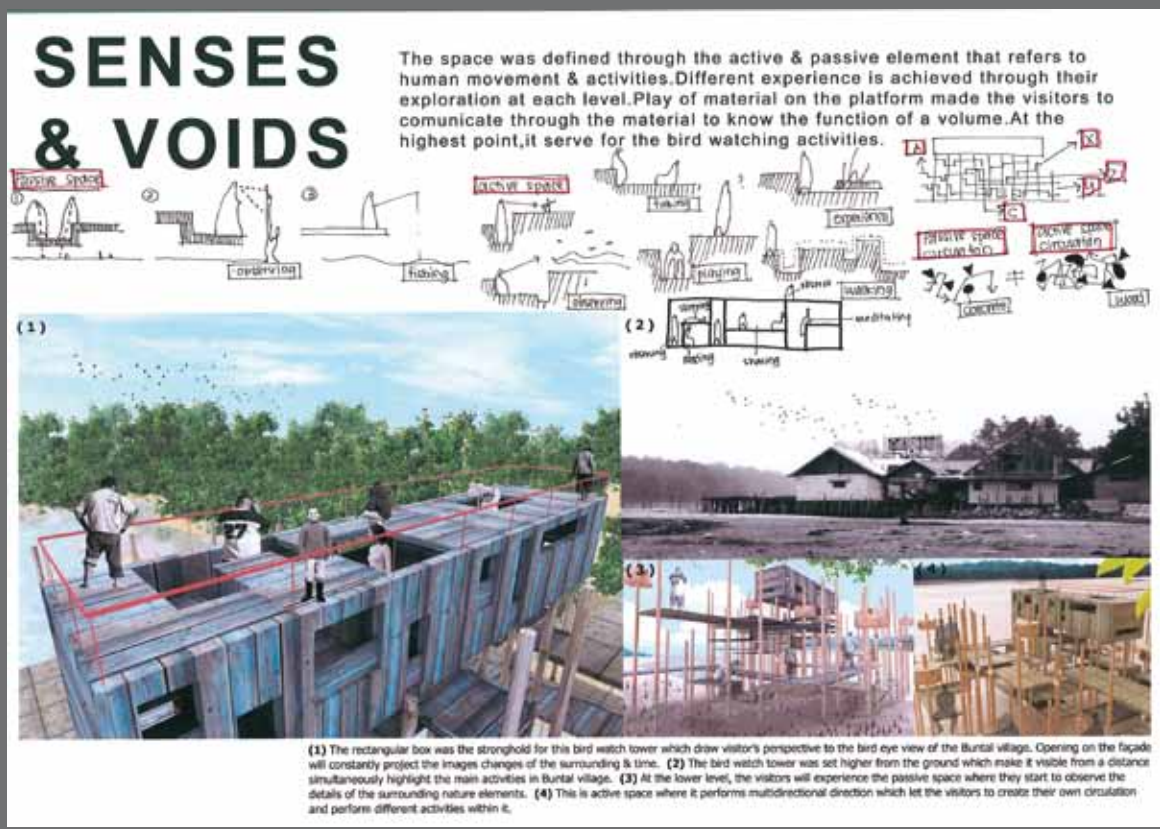
TAN IK CHIA "Bako Visiter Centre"

LIM KOK WING STAFF ATTENDING THE PRESENTATION

Ar. Phillip Chang
- industry advisor
Mr Tay Tze Yong
Ms Peggy Wong
Ms Helena Goh

BIO DATA

Victor Lee Chee Jian, 21 is a soft-spoken student originally from SMK Balai Ringin, Serian/ Sri Aman. Though he appears quiet and reserved, his student work speaks volumes and shows depth of thinking. He claims to be influenced by young Architects; especially those practicing in Japan and would like to win architectural awards very soon.



POSTCARDS FROM 'THE EDGE'

(news from Sarawakian Architects practising abroad)

Playground / Community Space

When LIVE Project Became LIFE Project

Live Project is the first assignment for 5th and 6th year architecture students in Sheffield University. For 6 weeks, each tutor led projects with real clients; such as art installations to raise awareness of certain issues, an online open library for building technology, urban mapping of a disappearing eastern coastline in UK and so forth. I took on a project called "Romania Better Homes" which required us to conduct extensive research to improve charity houses built by a Romanian NGO for the Roma people (commonly known as the gypsies) in a little town called Tarlungeni, near Brasov, in Romania.

Our group approached the project as how design students would; we first arranged a trip to Tarlungeni; to meet the NGO and the families who benefitted from the houses; to take photos, 'documenting' our research. With our 'expertise' we would then find a way to build better designed homes, so that it would change the people's livelihood, community and future. (Sarcasm intended)

Everything changed when we arrived in Tarlungeni.

We were astonished by the dire state of their living conditions, after two days on site, we realized that there was an urgent need for us to help complete the houses before winter set in. These are the very same houses that we were supposed to evaluate and improve for our student research project.

Faced with the situation on ground and need to complete our assignment, we decided unanimously to put our assignment on hold and simply contribute by building for our entire stay in the country.

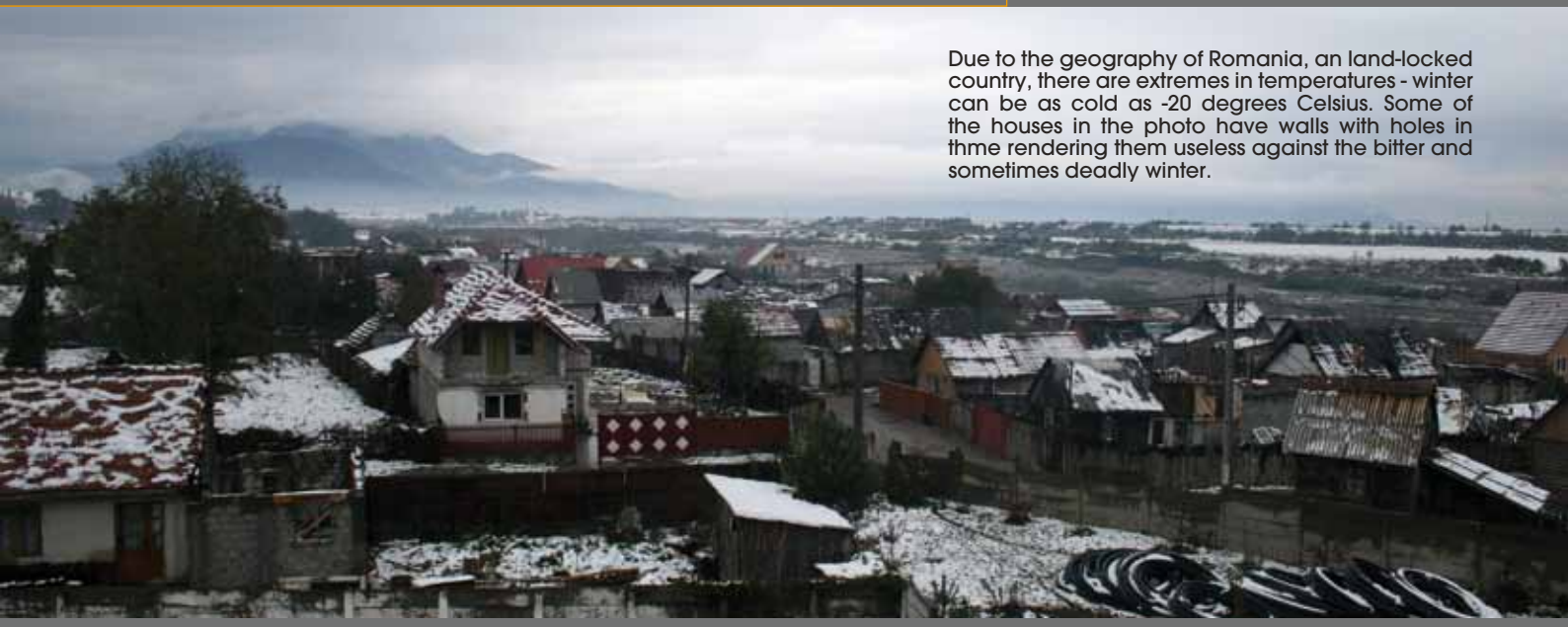
We began work and before long we were left alone on site, installing floorboards, plastering walls, building the staircase, fitting doors and windows. Throughout the entire 20 days, we built and built and did nothing else. No research done. Students with construction experience took the lead while others did something else: babysitting the 10 children while their parents worked; they organized a small photo exhibition; cooked meals and kept everyone warm by keeping the wood fire stove burning.

At the end of the trip, two families could move into their new homes.

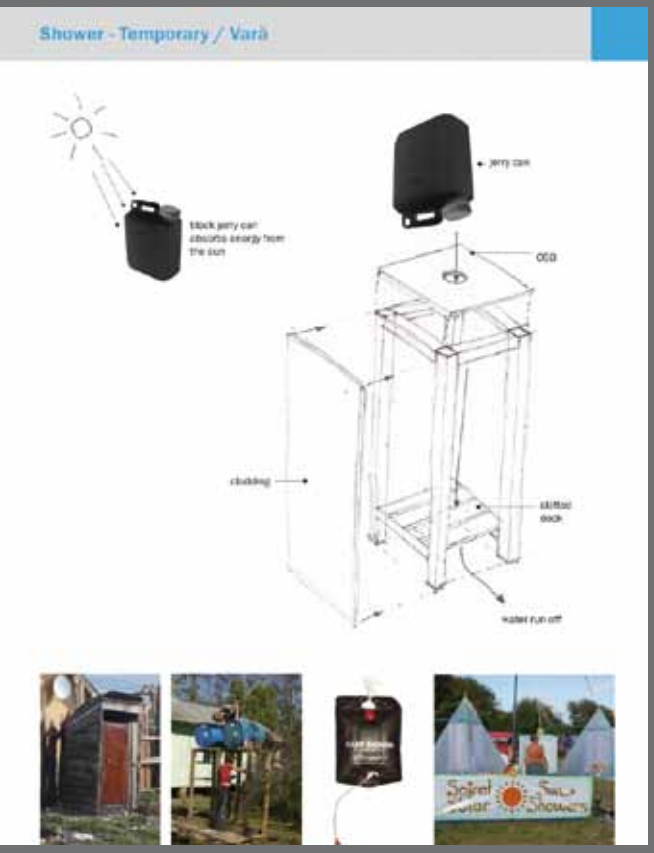
A sample page of the resource book that we FEDEX-ed across. It is now kept in the NGO's office for the community's reference. The page showing here is our vision how the existing river banks can be used for various communal activities.

Discussing to discard the brief to help complete the houses.

"We changed the brief: from an academic exercise to a real life-changing difference."



Due to the geography of Romania, an land-locked country, there are extremes in temperatures - winter can be as cold as -20 degrees Celsius. Some of the houses in the photo have walls with holes in thme rendering them useless against the bitter and sometimes deadly winter.



A sample page of how they could build a shower. At the moment, they bathe beside the river, which is impossible during winter. Thus, most of them do not bathe for up to 3 months.

After completing the first staircase, we revised the existing design and built a space saver staircase; which took less time, materials and manpower. This is probably the first space saver staircase in Romania.

Upon returning to Sheffield, we thought of practical ways to continue to help the community. The result is an A4-size construction resource book; a folder with simple diagrammatic instructions on how to build various parts of the house.(staircases, balustrades, floors etc). Everything was done so that the book can be photocopied and given to people who needs the information.We hoped to teach the rest of the Roma community how to build their own homes.

We also gave them our visions for their community on drawings (a simple refuse collection system, a notice board, a public toilet for the community sports field etc.)

At the end of the 6 weeks, we were concerned that we could not complete what was required in the brief. Watching group after group presenting their beautiful drawings, renderings and diagrams, we (at least I was) felt slightly anxious and under-prepared. Armed with a slide show of our daily construction photos, a plastic binder of the resource book, we stood in a line and started to share our experience in Romania. We talked about our reflections after the trip, a few sad and touching stories from the Roma community, the role of architects and architectural students. Much to our surprise, our presentation generated much dialogue, interest and not a few tears among the staff and students.

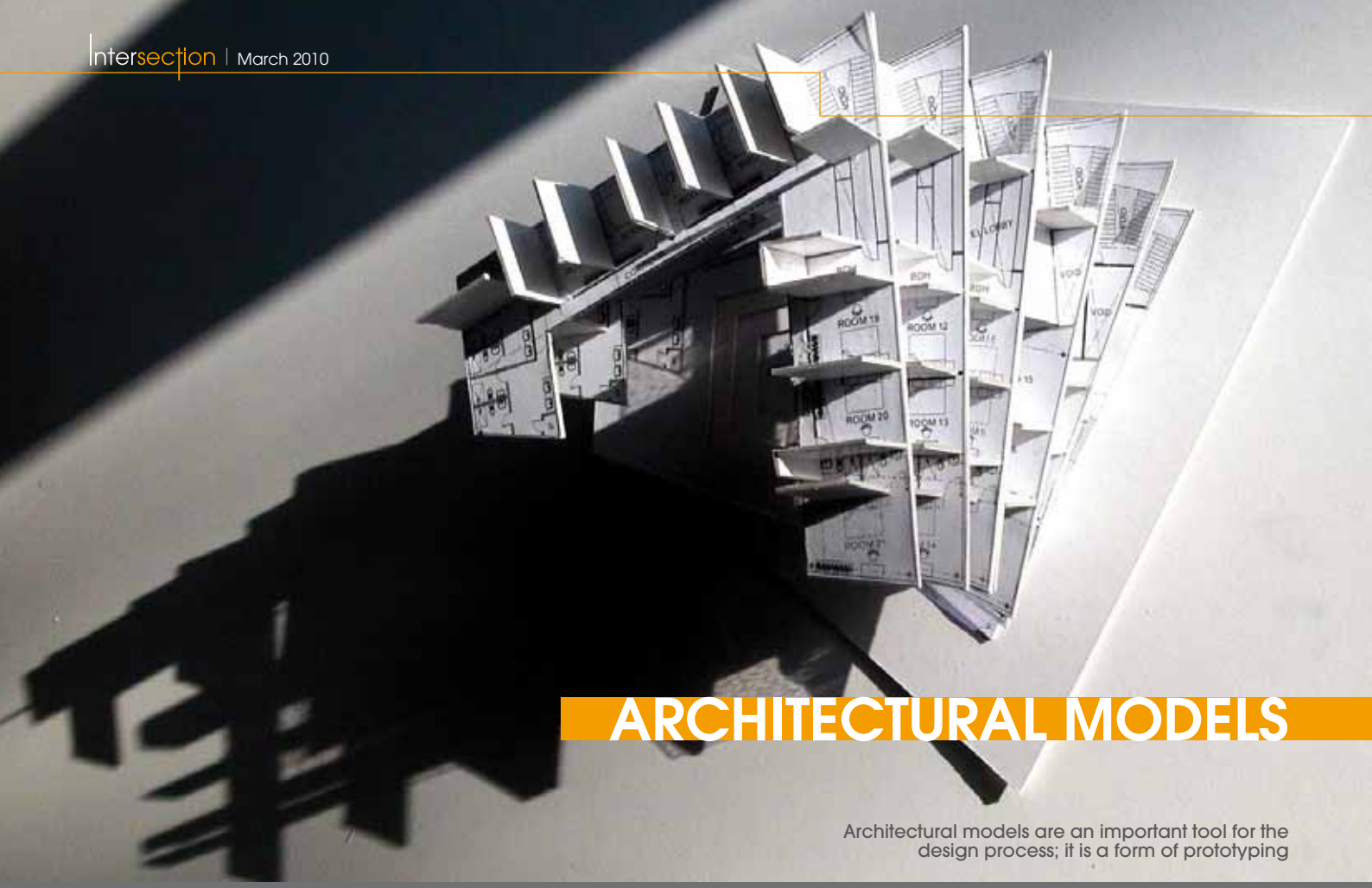
We changed the brief: from an academic exercise to a real life changing exercise. In Tarlungeni, we were not just architecture students but human beings also, a side of architects that rarely surfaces these days, be it in the practicing world or in universities. I believe that the forgotten role of architects to provide necessary amenities needs to be brought back; because we are not just designers, but Architects.

BIO DATA

Wong Zi Tao

Tao obtained his BA Architecture from NUS, and is currently accepted for the NUS MA Architecture which starts in Aug 2010. He is from Perak; presently in Kuching to volunteer for Habitat Kuching and is interned at DNA. This is what he says about himself -

"As a designer/architect, I believe in creating something necessary, beneficial and beautiful. My interest in architecture has evolved through time and currently it lies within the realm of humanitarian architecture, in which I find meaning and purpose. I love to travel, and photography is my secondary hobby. I am observant, hardworking, self motivated and responsible."



ARCHITECTURAL MODELS

Architectural models are an important tool for the design process; it is a form of prototyping

This is a model for a garden structure, made using recycled mounting board and dress making pins - it is rudimentary yet not crude. It serves an important purpose when explaining the steel framing to the contractor.

There used to be a place in the studio for the architectural model – the good old glue and cardboard type. Nowadays, when we mention 'architectural models' - many of the younger architectural fraternity would think of computer generated models. While these CG models have a place in the architectural process; they fit better in the 'illustrative' part of the process as opposed to the 'explorative' part.

This is especially true for sketch models, such as the ones shown here - they are made to scale from simple materials, and very quickly done. The expediency is crucial because more than one version is usually built.

Typically made using initial schematic drawings, the plans are simply glued onto the model board to create a base from which the drawings are given a third dimension. Sketch models should be easy to modify - because they are made at a stage when the design is still fluid.

Due to their three dimensional nature, they encourage discussion in the studio more readily than design drawings. People are always picking them up and looking at them; and offering comments or suggestions. Sometimes they have questions for the designer; who has to then find answers in defense of their scheme. Anything which generates dialogue in the studio should be encouraged, and this is a good reason to keep making models.

Usually after several modifications, the models do not look so pristine anymore - but they have served their function well.

And the model makers do not have to be sophisticated either - anyone with a steady pairs of hands will do well.

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SHERA board

An innovative , autoclaved and non-asbestos fibre-cement sheet come in smooth and decorative texture for the use of ceiling, walling and flooring. Thickness range from 3.5, 4, 4.5, 6, 8, 9, 10, 12, 15, 18 & 20 mm


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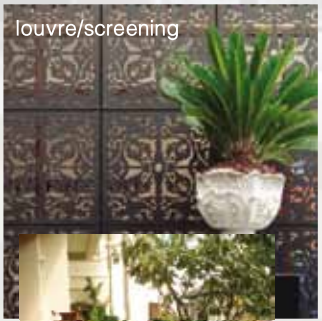
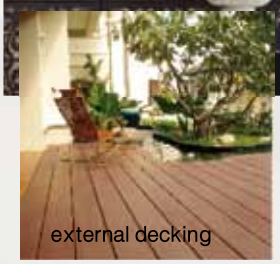

louvre/screening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eaves/fascia


external ceiling

LOCAL PROJECTS IN KUCHING

Jalan Muhibah

- Gate - SHERA Strip, 8x75x3000mm, Square Cut, Smooth Texture

KGS

- Wall Caldding
- SHERA Plank, 8x200x3000mm, Cassia Texture

Tabuan Laru

- External Wall Cladding
- SHERA Plank, 8x200x3000mm, Teak Texture

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