UPDATE ON ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE (ACGSA)

Presented by: Ashvinkumar (Chair, ACGSA)

ARCASIA OB Meeting, 16 August 2013
1. Innovation for Sustainable Environment

i. Sharing of Creative Designs and Solutions in the Region by ACGSA Members

ii. PAM (Secretariat for ARCASIA) to consider to upload to ARCASIA website.
Innovation for Sustainable Environment

1. Proposal by Chairman:
   - Sharing of Creative Sustainable Designs and Solutions in the Region by ACGSA Members
     - based on relevant attributes as in SIA’s Position Paper on ‘Attributes of a Sustainable Built Environment (ASBE)’ as a starting point of sharing.

   - Examples
     - ASA/ can share good proposal on results of sufficiency plan (championed by His Royal Highness)
     - VAA/ Bamboo architecture
     - IAI/ Green school in Bali, Indonesia
     - PAM/ evolution of the green building index scheme to address macro planning/design issues i.e. township
Innovation for Sustainable Environment

2. PAM (Secretariat for ARCASIA) to consider to upload to ARCASIA website.

– Would like to propose ARCASIA Secretariat to create a site for ACGSA to upload the files.
Examples of Innovative Sustainability Solutions

1. Poh Ern Shih Temple (Singapore)
2. Gardens by the Bay (Singapore)
3. Puala Semakau (Singapore)
4. BCA Academy - Zero Energy Building (Singapore)
5. Green Mark v4.1 (Singapore)
Examples of Innovative Sustainability Solutions


8. Green Austrian Embassy (Indonesia)


10. Green Movement lead by GBI (owned by PAM and ACEM) and MGBC (Malaysia)

11. Green Building Index – latest update (Malaysia)
BCA Academy - Zero Energy Building (ZEB) (Singapore)

- An existing building at the BCA Academy was retrofitted into a Zero-Energy Building (ZEB).

- [http://www.bcaa.edu.sg/zero_energy_building.aspx](http://www.bcaa.edu.sg/zero_energy_building.aspx)
Green Mark v 4.1 (Singapore)

- Green building rating system to evaluate a building for its environmental impact and performance.

- **Latest version effective from 15 Jan 2013.**

Underground Storage in Singapore

• “.... underground storage was more secure and more space-efficient than surface tanks.” – JTC

  
  • http://www.stproperty.sg/articles-property/industrial/jtc-digging-for-more-space-on-jurong-island/a/58781
National Green Building Code and Rating System (Philippines)

• One of Philippines’ senators has filed a bill for the establishment of a National Green Building Code and Rating System in the Philippines.

Green Movement lead by GBI (Malaysia)

- A platform for sharing information including PAM’s green rating tools.

- [http://www.greenbuildingindex.org/index.html](http://www.greenbuildingindex.org/index.html)

- GBI RESOURCES
  - Download Instructions: To save the files, please right click on the links and select “Save Target As”
  - GBI CERTIFICATION APPLICATION
    - GBI Certification Application Form for Existing Buildings [PDF]
    - GBI Township Application & Registration Form [PDF]
Green Building Index – latest update (Malaysia)

• Latest update on the only Government and Internationally recognized Green Rating tool in Malaysia

• Residential version 3 launched on 11 Jul 2013

ACGSA Plan

Short Term
• Sustainability By Design Survey for UIA (completed, consolidated info disseminated to ACGSA Members via email on 16 Jan 2013)

Medium Term
• 5th Roundtable Discussion on Sustainable approach to Design and Construction (host by IAP on 2 October 2013)
• To invite speakers to Regional Events

Long Term
• ARCASIA Interactive Website
• Facebook to dialogue on issues / topics on Sustainability
Challenge

• How to create a communicative and interactive platform to exchange ideas and share experiences?
THE END

- THANK YOU -