



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

**Presented by: Ashvinkumar (Chair, ACGSA)**

ARCASIA OB Meeting, 16 August 2013



# ESTABLISH A SHARING PLATFORM

## 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)
6. SIA Position Paper on Underground Storage in Singapore (works-in-progress)

# Examples of Innovative Sustainability Solutions

7. Solar Water Heating by Nepalese Architect *Debesh Bhattarai* (Nepal)
8. Green Austrian Embassy (Indonesia)
9. National Green Building Code and Rating System (Philippines)
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.*
- [http://apex.sia.org.sg/xshare/GMv4.1\\_Std2013.pdf](http://apex.sia.org.sg/xshare/GMv4.1_Std2013.pdf)



# Underground Storage in Singapore

- *“.... underground storage was more secure and more space-efficient than surface tanks.”  
– JTC*
- *SIA Position Paper on Underground Storage in Singapore (works-in-progress).*
- <http://www.stproperty.sg/articles-property/industrial/jtc-digging-for-more-space-on-jurong-island/a/58781>
- [http://www.nytimes.com/2011/02/21/business/energy-environment/21iht-renoilstore21.html?\\_r=0](http://www.nytimes.com/2011/02/21/business/energy-environment/21iht-renoilstore21.html?_r=0)

# 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.*
- *SBN-410: Philippine Green Building Act: An Act Establishing a National Green Building Code and Rating System, and for Other Purposes Filed on July 3, 2013 by Marcos, Ferdinand "Bongbong" R*

# Green Movement lead by GBI (Malaysia)

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



Home   What & Why Green Buildings?   How GBI Works   Organisation   Events   News   Resources   FAQs   Contact

## GBI RESOURCES

### Download Instructions:

To save the files, please right click on the links and select "Save Target As"

## GBI CERTIFICATION APPLICATION

- <http://www.greenbuildingindex.org/index.html>

- 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*
- [http://apex.sia.org.sg/xshare/GBI\\_Update\\_Jul2013\\_BoonCW.pdf](http://apex.sia.org.sg/xshare/GBI_Update_Jul2013_BoonCW.pdf)

# 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 -**

