



VAA'S REPORT ON

# GREEN ARCHITECTURE IN VIETNAM

(2016-2017)



VAA

VIETNAM ASSOCIATION OF ARCHITECTS

May 2017



GREEN TOOLS

2016-2017

SPEC GO GREEN

# GREEN RATING TOOLS IN VIETNAM



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May 2017

VAA GREEN ACTIVITIES

GREEN RATING TOOLS

GREEN BUILDINGS

There are many Green building rating tools in Vietnam:



2009 LEED & Green Mark certificates were introduced in Vietnam



2010 LOTUS - Green building rating tool for Vietnam was first issued



2010 VAA Green Criteria was issued to encourage vernacular architecture



2014 VACEE - Green Building Rating tool from VN Const. Department



2015 EDGE - Simple rating tool of IFC, WorldBank has appeared in Vietnam

And there are also some activities from green associations



E4G.org

Vietnam Green Building Database and Network  
Cơ sở dữ liệu và Mạng lưới Công Trình Xanh Việt Nam



VGBC has issued two new rating tools for green buildings:  
**LOTUS Small Buildings** and **LOTUS Homes**



LOTUS NR - Non residences

LOTUS BIO - Buildings in operation

LOTUS MFR - Multi-Family Residential

LOTUS Homes - Single family dwellings

LOTUS SB - Small buildings

**Criterion One: SUSTAINABLE SITE**

- 1.1. Construction site should be in accordance with the current planning***
- 1.2. Protection of environment and natural landscape***
- 1.3. Prevention and mitigation of natural disasters and adaptation to climate change***
- 1.4. Harmony with natural landscape***
- 1.5. Restoration and improvement of environment and landscape***

**Criterion Two: EFFICIENT CONSUMPTION OF ENERGY AND USE OF NATURAL RESOURCES**

***2.1. Land saving in building***

***2.2. Energy saving and efficient energy use***

***2.3. Exploitation and efficient use of air circulation and daylight***

***2.4. Efficient use of water***

***2.5. Use of environment-friendly materials***

***2.6. Application of green technologies***

***2.7. Efficient management in building and use of buildings as well as urban areas***

**Criterion Three: INDOOR ENVIRONMENT**

- 3.1. Room design***
- 3.2. Building envelope***
- 3.3. Materials for interior design***
- 3.4. Indoor air quality***
- 3.5. Noise***
- 3.6. Lighting***

**Criterion 4: INNOVATIVE ARCHITECTURE AND ARCHITECTURAL IDENTITY**

***4.1. Planning and architecture***

***4.2. Conservation, continuation and promotion of cultural values and traditional architectural styles***

***4.3. Application of advanced science and innovative/climate responsive technology***

**Criterion 5: SOCIAL SUSTAINABILITY AND HUMANITIES**

- 5.1. Ensure the harmony with social environment and humanities***
- 5.2. Meet the material, cultural and spiritual needs of individuals, communities and nations***
- 5.3. Respect, conserve and promote the values of cultural heritage***
- 5.4. Ensure a stable socio-economic context***

### Method of evaluation

1. One building to be recognised “green architecture” must be evaluated on the basis of all five criteria of green architecture proposed by Vietnam Association of Architects.
2. The satisfaction of criteria is categorised in different grades:
  - Grade **A** (Good): The performance of a building is well above the criteria of green architecture.
  - Grade **B** (Satisfactory): The performance of a building meets the criteria of green architecture.
  - Grade **C** (Unsatisfactory).
3. A building will be recognised “green architecture” if it scores at least 70% in grade A and has no performance rated C.

Source: <http://www.usgbc.org>; <http://vgbc.org.vn>; <https://bca.gov.sg>

# NUMBER OF CERTIFIED GREEN BUILDINGS IN VIETNAM - 2016



07



02



29



>80  
Buildings are  
in green certification  
process

38 Official certified green buildings





GREEN TOOLS

2016-2017

SPEC GO GREEN

# HIGHLIGHT EVENTS OF GREEN ARCHITECTURE IN VIETNAM DURING 2016 - 2017



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VIETNAM ASSOCIATION OF ARCHITECTS

May 2017

## VAA GREEN ACTIVITIES

- 2011** Announced the DECLARATION ON GREEN ARCHITECTURE
- 2011** Issued criteria for Green architecture to encourage vernacular architecture
- 2012** The 1<sup>st</sup> National Green Architecture Awards was organized
- 2014** Hold successfully the 2<sup>nd</sup> National Green Architecture Awards
- 2016** Hold successfully the 3<sup>rd</sup> National Green Architecture Awards
- 2017** Hold successfully the 1<sup>st</sup> National Architecture Festival in Danang city



Project won the National Green Architecture Award 2016

VAA  
and CHAPTERS  
ACTIVITIES

**2017** VAA hosted the 12nd National Architecture Award – the most important award in architecture in Vietnam. Co-organized of the award are VAA, Ministry of Construction, Ministry of Culture, Sport and Tourism.

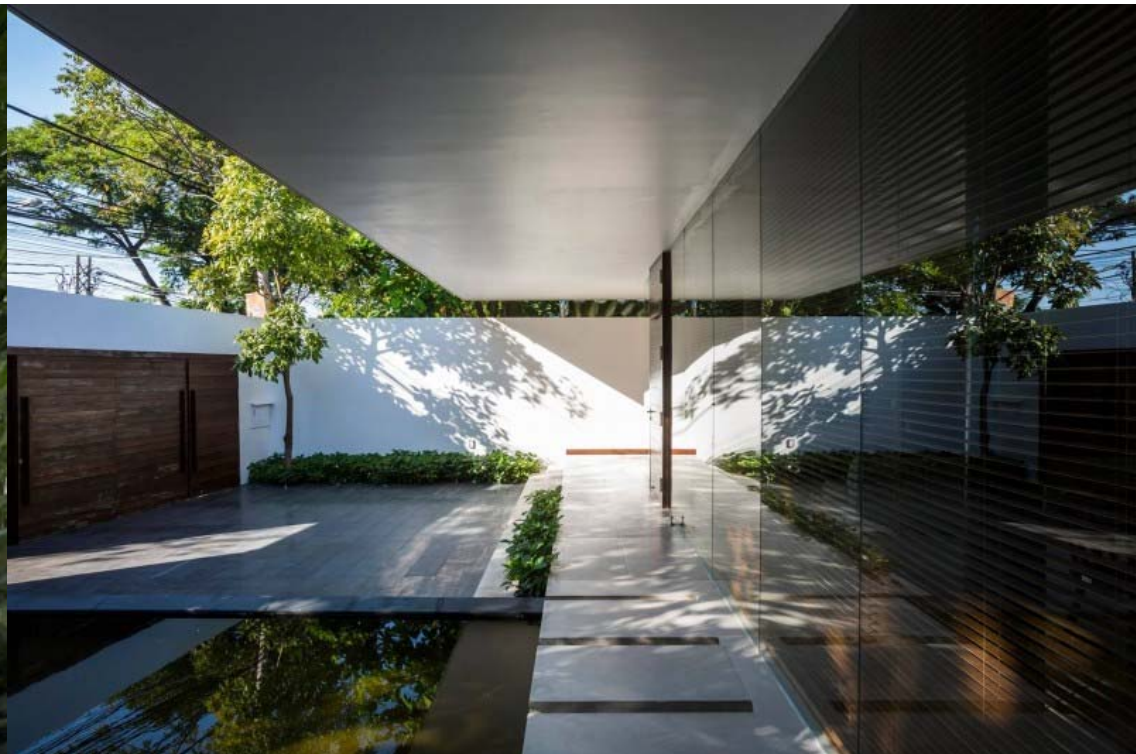








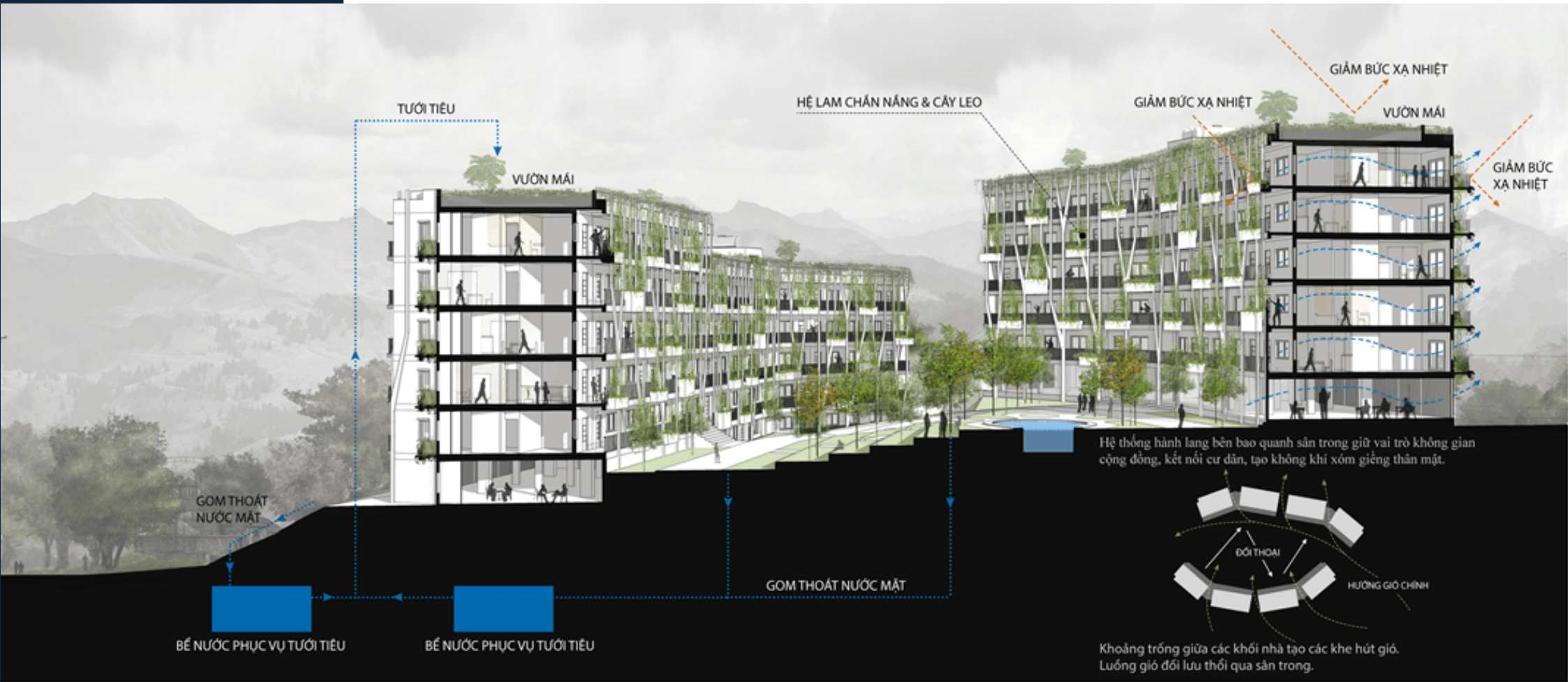




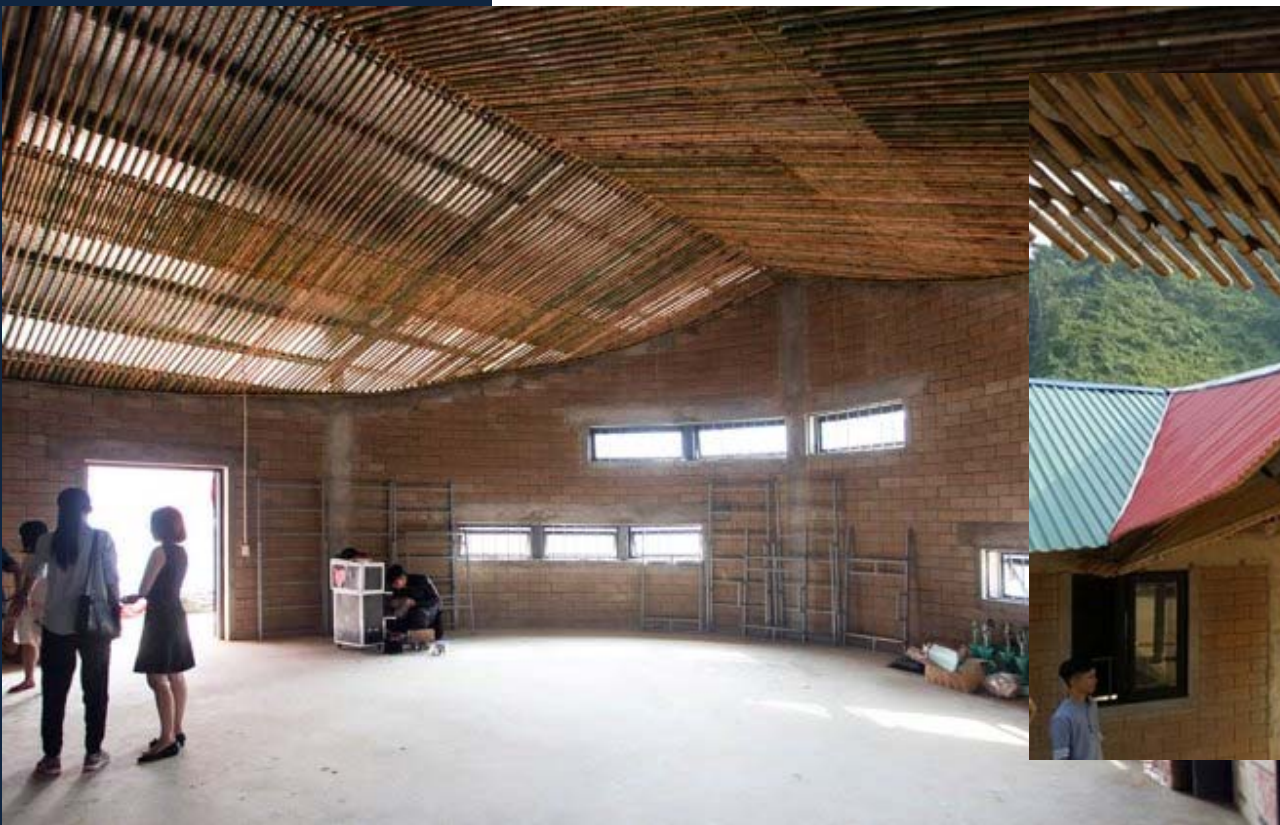




















GREEN TOOLS

2016-2017

SPEC GO GREEN

VAA  
and CHAPTERS  
ACTIVITIES

**2017** 12<sup>th</sup> Conference on Green Architecture with topic: Green Apartment. The conference held in Ho Chi Minh city.



**XANH**

TÀI TRỢ KIM CƯƠNG

TÀI TRỢ VÀNG

TÀI TRỢ BẠC

PHỐI HỢP CÙNG

BẢO TRỢ TRUYỀN THÔNG



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May 2017

VAA  
and CHAPTERS  
ACTIVITIES

**2017** International workshop on Green Architecture for Sustainable Communities held in Hanoi



**GASC 2017**

**Hà Nội**

**28-31/03/2017**

**Kiến trúc xanh hướng tới cộng đồng bền vững**

**Green Architecture for Sustainable Communities**



## VAA and CHAPTERS ACTIVITIES

- 2016** Many conferences, courses and workshops on Green Architecture and Sustainable development held in provinces by chapters, as well as by universities.
- 2017**
- 2016** Many TV programs and series about Green Architecture, Green houses produced and showed on nearly 100 TV channels in Vietnam.
- 2017**



## VAA and CHAPTERS ACTIVITIES

- 2016** Many research projects on Green Architecture and Sustainable Development took place by professors from universities. Mostly, these projects come from demands of the ministries and province's governments.
- 2017** There are a "new wave" makes pressure to the investor and architects from smart clients (including province's government and authorities) to design and develop projects toward green architecture and sustainability.





GREEN TOOLS

2016-2017

SPEC GO GREEN

SPEC **GO GREEN** AWARD  
FOR YOUNG ARCHITECTS AND STUDENTS



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May 2017

Since 2014, for three consecutive years, **Spec Go Green** has become a prestigious and quality award for young architects and architecture students in order to honor and encourage green, environmentally friendly architectural projects with the sustainable development.

From 2014 to 2016, **Spec Go Green Awards** received more than 400 submissions from 60 universities and architectural offices nationwide.

In response to the Declaration “Green Architecture of Vietnam” and continuing the success of the previous seasons, the award continues to be developed and expanded the scope throughout Asia with the name: **Spec Go Green International Awards 2017**.

- 2014** Launched the annual SPEC Award for Young Architects and Students  
Hold successfully the 1<sup>st</sup> SPEC Go-Green Award
- 2015** Hold successfully the 2<sup>nd</sup> SPEC Go-Green Award
- 2016** Hold successfully the 3<sup>rd</sup> SPEC Go-Green Award
- 2017** Expanding SPEC Go-Green Award for international submission (ARCASIA)



Project won the SPEC Go-Green Award 2016























Sponsored for the 4<sup>th</sup> SPEC Go Green Awards to support sustainable design projects of young architects and architectural students.



## 2017 SPEC Go Green Award

- **10 awards for Architectural Students**
- **10 awards for Young Architects.**
- **Total value of the prize is up to 45.000USD sponsored by SPEC Paint.**
  
- **Officially launched on 10 May 2017.**
- **Submission from 20<sup>th</sup> to 30<sup>th</sup> November 2017.**
- **Evaluation in November 2017.**
- **The awarding and announcement ceremony in December 2017.**

**SPEC GO GREEN**  
**INTERNATIONAL AWARDS**  
 for young architects and students in Asia  
 2 0 1 7



**AWARDS FOR STUDENTS OF ARCHITECTURE**

- 01 FIRST PRIZE: worth 4,000 USD
- 01 SECOND PRIZE: worth 2,000 USD
- 01 THIRD PRIZE: worth 1,500 USD
- 02 "TOP 5" PRIZES: worth 1,000 USD each
- 05 "TOP 10" PRIZES: worth 500 USD each



**AWARDS FOR YOUNG ARCHITECTS**

- 01 FIRST PRIZE: worth 10,000 USD
- 01 SECOND PRIZE: worth 5,000 USD
- 01 THIRD PRIZE: worth 3,000 USD
- 02 "TOP 5" PRIZES: worth 2,000 USD each
- 05 "TOP 10" PRIZES: worth 1,000 USD each

**JURY**

The jury consists of seven members – well-known architects and experts in Vietnam and abroad (The list of jury members will be announced on the official website [www.specgogreen.com](http://www.specgogreen.com)).



**AWARDS FOR BUILDINGS AND PROJECTS FOR MAJOR CONTRIBUTIONS TO THE SOCIETY AND OTHER CRITERIA ESTABLISHED AND ASSESSED BY THE JURY**

- 02 AWARDS: worth 1,500 USD each (for major contributions to the society)
- 02 AWARDS: worth 1,000 USD each (for satisfying other criteria established by the jury)

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SPONSORED BY



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**INTERNATIONAL AWARDS**  
 for young architects and students in Asia  
 2 0 1 7

**SPEC GO GREEN INTERNATIONAL AWARDS 2017**  
 FOR YOUNG ARCHITECTS AND STUDENTS OF ARCHITECTURE IN ASIA



SDFC



THANK YOU FOR YOUR ATTENTION!



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