VAA’S REPORT ON

GREEN ARCHITECTURE IN VIETNAM

(2016-2017)
GREEN RATING TOOLS IN VIETNAM
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
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.
NUMBER OF CERTIFIED GREEN BUILDINGS IN VIETNAM - 2016

- 07 Buildings are in green certification process
- 02 Buildings are official certified green buildings
- 29 Buildings are in green certification process
- 38 Official certified green buildings


May 2017
HIGHLIGHT EVENTS
OF GREEN ARCHITECTURE
IN VIETNAM DURING 2016 - 2017
2011  Announced the DECLARATION ON GREEN ARCHITECTURE
2011  Issued criteria for Green architecture to encourage vernacular architecture
2012  The 1st National Green Architecture Awards was organized
2014  Hold successfully the 2nd National Green Architecture Awards
2016  Hold successfully the 3rd National Green Architecture Awards
2017  Hold successfully the 1st National Architecture Festival in Danang city

Project won the National Green Architecture Award 2016
**2017** VAA hosted the 12th 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.
Hệ thống hình lang bên bao quanh sàm trong gió và tro không gian công cộng, kết nối cư dân, tạo không khí xanh gần mặt đất.

Khoảng trống giữa các khối nhà tạo các khe hất gió. Luồng gió dễ lưu thông qua sảnh trong.
2017 12th Conference on Green Architecture with topic: Green Apartment. The conference held in Ho Chi Minh city.
2017 International workshop on Green Architecture for Sustainable Communities held in Hanoi
Many conferences, courses and workshops on Green Architecture and Sustainable development held in provinces by chapters, as well as by universities.

Many TV programs and series about Green Architecture, Green houses produced and showed on nearly 100 TV channels in Vietnam.
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.

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.
SPEC GO GREEN AWARD FOR YOUNG ARCHITECTS AND STUDENTS
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 1st SPEC Go-Green Award

2015  Hold successfully the 2nd SPEC Go-Green Award

2016  Hold successfully the 3rd SPEC Go-Green Award

2017  Expanding SPEC Go-Green Award for international submission (ARCASIA)
Sponsored for the 4th 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\textsuperscript{th} to 30\textsuperscript{th} November 2017.
- The awarding and announcement ceremony in December 2017.
SPEC GO GREEN INTERNATIONAL AWARDS
for young architects and students in Asia
2017

AWARDS FOR STUDENTS OF ARCHITECTURE

01
01
01
02
05
FIRST PRIZE: worth 9,000 USD
SECOND PRIZE: worth 2,000 USD
THIRD PRIZE: worth 1,500 USD
“TOP 5” PRIZES: worth 1,000 USD each
“TOP 10” PRIZES: worth 500 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.specgreen.com.

AWARDS FOR YOUNG ARCHITECTS

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

AWARDS FOR
1. AWARDS: worth 1,500 USD each (for major contributions to the society)
2. AWARDS: worth 1,000 USD each (for identifying other entries available by the Jury)
THANK YOU FOR YOUR ATTENTION!