



**Green Viet**  
Building Sustainable Practices

**COMPANY PROFILE 2014**

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01

# INTRODUCTION



CHAIRMAN'S MESSAGE

COMPANY PHILOSOPHY

COMPANY OVERVIEW



# CHAIRMAN'S MESSAGE

*Sustainability nowadays is among the most popular terms mentioned on media. Green Building is another term under the sustainability umbrella. Simply google it, 113 million results with sustainability appear in 0.35s. Green Building performs much better with 222 million results that make me an interesting surprise.*



***Sustainability is now no longer a nice-to-have matter but a competitive advantage of companies around the globe.*** It is no doubt that top Fortune 500 companies now place Sustainability or CSR into their agenda. Companies compete in price, quality, service and now sustainability. We also see companies with hundred years of history lose their markets or even broken.

***Sustainability once added into project is similar to spice added into food.*** Project owners spend most of their investments into building materials to build project but reluctant to spend some more, if any, to make their projects green. Like spice in food, cost and quantity of spice are not much but it contributes a lot in making the whole food delicious and valued, of course once that spice is appropriately used. Green building is as simple as the role of spice in food. If project owners know 5W1H to make green buildings, I strongly believe those investments would become attractive with almost no or little extra costs. In case extra costs appear, those will be pay-backed within two to five-year period.

***Your business is not necessarily big to go sustainable.*** Everyone can go sustainable now at their comforts. A vocational school in remote & mountainous area (\*) with low living standards and difficult transportation also performs as many green features as they can afford. Prosperity and sustainability do not necessarily go together, do they?

Sustainability is vague to some extent but green building is not. Making a green building real is matching lots of sustainability practice there. And pioneers always have advantages over their competitors!

## DO HUU NHAT QUANG

Chairman  
C.Eng, MBA, LEED GA, LOTUS AP  
HCMC, September 2014.

(\*): A vocational school and its dormitory funded by Lux Dev and green consulted by GreenViet which is being in construction progress in Tuong Duong, Nghe An Province, Vietnam.

# OUR PHILOSOPHY

## MISSION

- Bringing sustainable practices into buildings and other “green” services based on our core competence in LEED & LOTUS Certification for a greener Vietnam.

## VALUES

- Diversified background including architect, mechanical & electrical engineers, construction & environmental engineers;
- Combination of local & international expertise;
- All senior leaders are LEED AP & GA;
- Experience in construction and property industry as well as in LEED / LOTUS certification process;
- In-house simulation expertise.

## STRENGTHS

- GreenViet is a truly local Consultant so we are competitive in providing services in Vietnam in general and in HCMC in particular. We find it easy to communicate with both locals and expats. We deeply understand the ways of handling issues here in Vietnam. Last but not least, we understand common practices in Vietnam’s construction and green building industries.
- Our office is located in District 3, HCMC which is in easy reach from other districts as well as easy for us to liaise with other Consultants in the town.
- In case of Singapore/international consultant, we are totally comfortable and acquainted with skype conference calls for coordination. Email is of course another useful mean of communication.

***In-house energy simulation and commissioning.*** We can guarantee the smooth flow of information and quicker advice can be made. Moreover, in-house Commissioning Agent in the team will help to cover all design changed during construction, equipment approval which help to deliver an effective commissioning result.

# COMPANY OVERVIEW

GreenViet, from its name & its **“Building Sustainable Practices”** slogan, has a very clear vision to contribute to a greener Vietnam from its foundation.

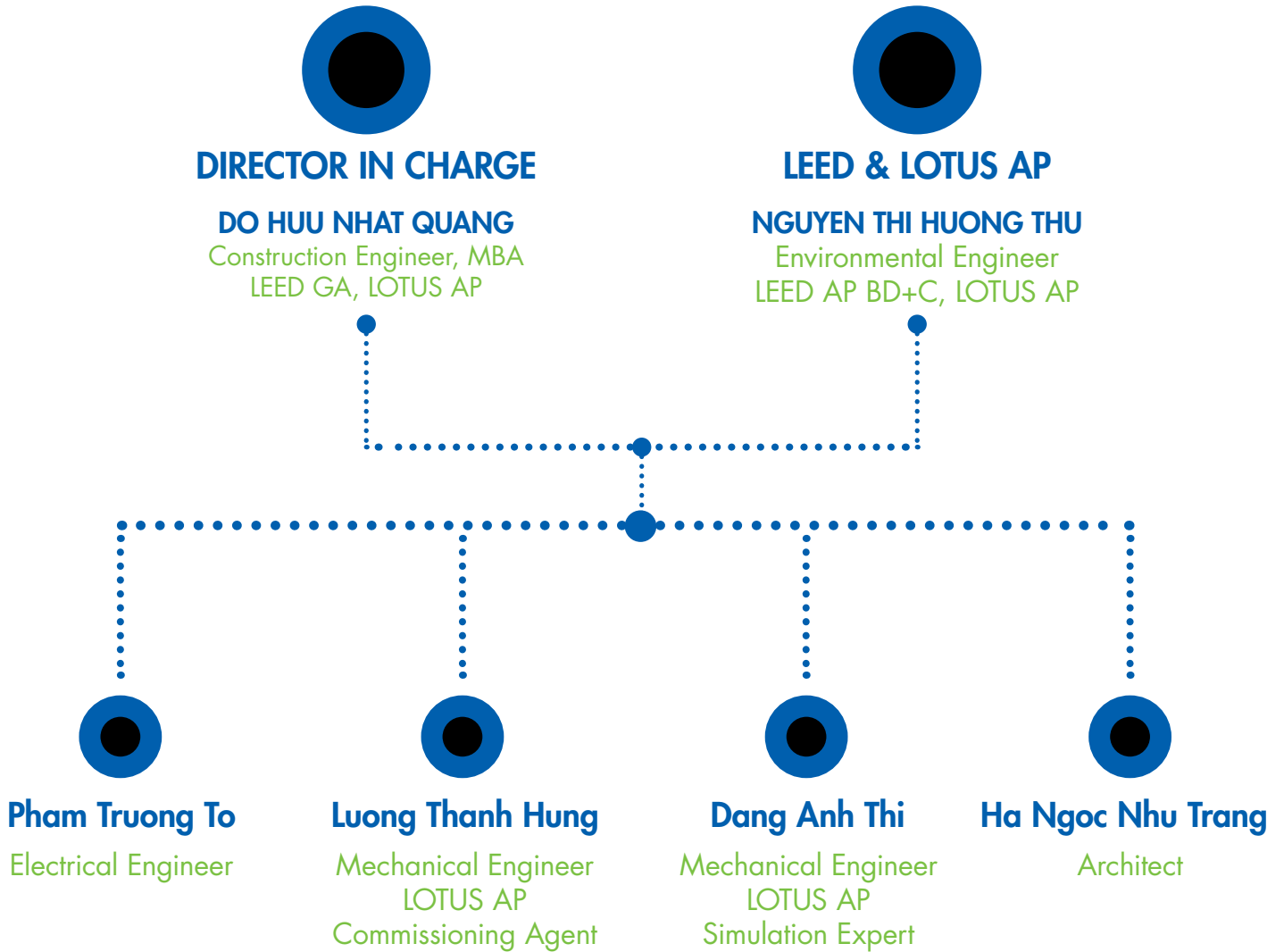
Our company is one of the first consultant company in Viet Nam focused on Sustainability, Green Building System (specific is LEED Certification, LOTUS Certification).

A quick introduction of GreenViet is as follows:

- **Experience on most of initial green building projects in Vietnam.** Before setting up GreenViet, our founders have worked on various green building projects since 2008, when Vietnam has its first projects designed and built to LEED standards. Right after GreenViet’s foundation, we continue our professional works with major LEED & LOTUS projects. Current significant projects of GreenViet are: 4 Big C Supermarkets, Vietinbank Tower (Hanoi and Hochiminh), Worldon Vietnam, IFF Indonesia. Our people have experience in most of initial green projects in Vietnam, thus, we strongly understand the pros and cons, challenges that Client and Contractor need to overcome.
- **Diversified background.** Our founders and team include Construction Eng., Environmental Eng., Mechanical, Electrical Eng. and Architect. This diversified background helps us cover all disciplines of a project as required in LEED & LOTUS rating tools.
- **In-house energy simulation & commissioning expertise.** In every green building project, energy savings and independent commissioning are always critical to be accredited. Owning this expertise allows us to provide a full consultancy package with minimum risks and at reasonable fees.
- **Active members of USGBC and VGBC.**



# COMPANY OVERVIEW



## ORGANIZATION CHART

GreenViet has successfully associated with many prestigious clients and partners from different industries such as:



CLIENTS



PARTNERS



USGBC Member



Green Champion

MEMBERS



# APPRECIATION LETTERS



Vietnam Moc Bai Joint Stock Company

## APPRECIATION LETTER

*Tay Ninh Province, December 18, 2012*

### To Whom It May Concern:

Obtaining the LEED Silver Certificate is a great effort of Viet Nam Moc Bai Office, one of Nike's footwear branches. This greatly helps to create an initial sustainability scenario for manufacturing markets as well as to contribute towards Nike good reputation in terms of energy utilization and environmental awareness.

Therefore, we would like now to express our deep gratitude to **Nguyen Thi Huong Thu** as one of the persons involved for our success in achieving the LEED Silver certificate. As LEED pathways are very new in Vietnam's market, a lot of challenges are to be overcome. However, **Huong Thu** supported our project very effectively thanks to her specialized knowledge and enthusiasm. Specifically, during the LEED consultation process, **Huong Thu** was always a responsible consultant; she clearly explained the novel concepts associated with complex terminologies, and efficiently proposed the best solutions. As a result, we were able to reach our target as a sustainable building.

Hopefully, in the near future, more and more companies approach the sustainability concepts and green practices in order to minimize the negative impact on the natural and human environments, and to enhance their own business images. To this end, expert consultancy is integral to the success.

Sincerely yours,



Sohn Yeong Tae  
Project Managing Director

# APPRECIATION LETTERS



Vietnam Moc Bai Joint Stock Company  
Hiep Thanh Commercial Area,  
Loi Thuan Commune, Ben Cau District,  
Tay Ninh Province, Vietnam

*June 13<sup>th</sup>, 2013*

## LETTER OF CONFIRMATION

To whom it may concern:

This letter is to serve as a reference for Mr. Luong Thanh Hung, who worked under Commissioning Agent (CxA) role for Viet Nam Moc Bai Joint Stock Company, one of Nike's footwear branches, to achieve the LEED Silver certificate in December, 2012.

During the whole commissioning process, Mr. Hung provided the professional working skill in monitoring, verifying the energy-related systems in the building, to help our building optimize the best benefits of commissioning activities as well as be well approved LEED EA prerequisite 1 - **Fundamental Commissioning** and 2 points of EA credit 3 - **Enhanced Commissioning** by GBCI - LEED review team. Therefore, we would like to express our deep gratitude for all his support.

To this end, we highly recommend Hung as a professional and qualified CxA for any expected building.

Sincerely,



Sohn Yeong Tae  
Project Managing Director

02

# CAPABILITIES



**LEED & LOTUS  
CONSULTANCY**

**BENCHMARKING**

**ENERGY AUDITING**

**COMMISSIONING**

# OUR SERVICES

- GreenViet is one of the first consultant company in Viet Nam focused on Sustainability, Green Building System (specific is LEED Certification, LOTUS Certification). Our team provides professional services to help your building achieve a comprehensive and effective sustainability programs in design, construction, operation and maintenance of whole building's life cycle.
- We drive all of you toward a properly-planned sustainability strategies, under best integration into your business value, competitive advantage, and vision profits.





# LEED & LOTUS CONSULTANCY



Commercial center Big C Nha Trang

*“ GreenViet help to achieve the highest certification rating possible for both New Construction and Existing Building, enhance financial performance and manage risks without disrupting operational performance. ”*

.....

GreenViet offers solutions to support businesses develop sustainability strategies, integrate green with entire business and leadership, help to achieve the highest certification rating possible.

## OUR RESPONSIBILITY

- Determine which rating system is right for your project.
- As a representative of Client, GreenViet will take responsibility of whole integrated working process with Green Building Certification Institute (GBCI) or VietNam Green Building Council (VGBC), including: registration, submitting the application to LEED online or VGBC review team, clarifying reviewer’s comment, appealing final review decision and supporting for the final procedures of Certification.
- Determine profitability, strategy and feasibility of proposed projects. Create action plan for projects to include details regarding implementation, document application and assigned responsible team members.
- Communicate and coordinate with project team to create an integrated team to work out the integrated designs which are considered cohesively, beginning in the pre-design phase, and continuing to the end of the building’s lifecycle; contribute to achieve the highest LEED or LOTUS rating possible with the best performance building.
- Optimize your building performance by introducing you to the latest green design management practices, tools, and technologies.



Commercial center Big C Ha Long

# BENCHMARKING

Benchmark can provide additional value to all levels and sizes of building by focus on the main elements which create the effective energy usage (such as: building orientation, building envelope, glazing, minimum efficient coefficient of equipment,...) and the issues associated with sustainability including green building planning, water re-use, source reduction, and waste minimization.

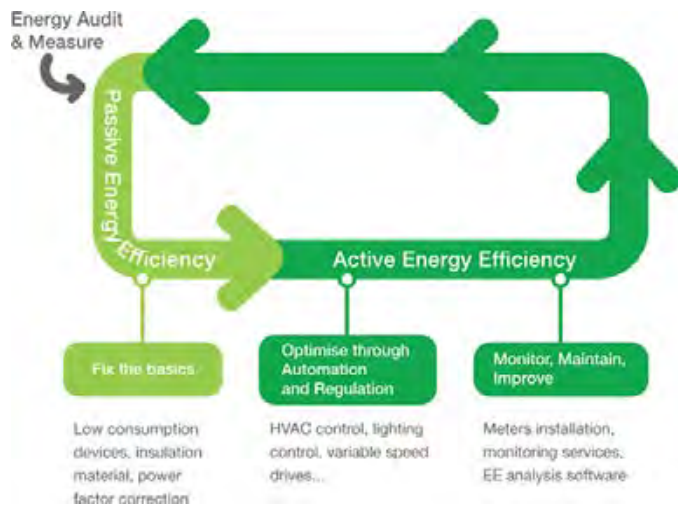
- Many of the largest companies have begun to take strides along the sustainability pathway, along to the small and medium-sized business are researching green as well. The issue of sustainability has also become a popular and wide-ranging subject in the environmental, energy and construction industry. In addition, benefits from green building are becoming more realistic and valuable under operation cost term, operation management and maintenance procedures.
- Therefore, GreenViet will be the best solutions for every clients who are committed to building sustainable communities.
- We help our customers benchmark against competition, to define the implement sustainability initiatives for optimizing building performance, at a reasonable investigation.



*Vietin Bank Office Building  
District 2, HCMC*

# ENERGY AUDITING

Energy audit is one of the significant activities to improve the existing building. It's a systematic process for investigating, analyzing, and optimizing the performance of building systems by improving the operation and maintenance to ensure your continued performance over time. GreenViet will help you identify all energy reduction and cost saving opportunities for your building ...



## WHAT STEPS ?

- Performing an on-site inspection of the facility to quantify energy uses and losses through a review and analysis of equipment systems, operational characteristics, and measurements.
- Develop a breakdown of the total annual energy consumption by end-use based on calculated loads or spot measurements.
- Identifying where diagnostics, which contribute to inefficient operation of the existing building. Testing may be appropriate.
- Provide a list of practical modifications, potential energy cost savings, and the cost of each practical measure.
- Create a list of low cost and no cost energy efficiency measures based on the audit results.
- Report to include recommended low and high cost energy savings opportunities that may be considered for implementation.



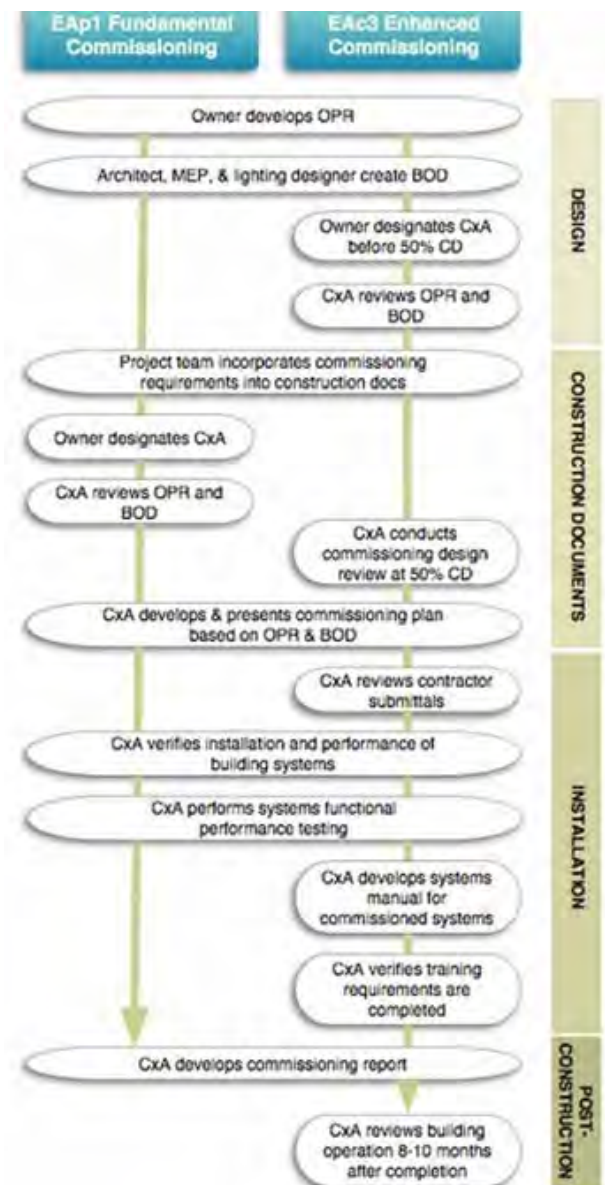
Mainetti Factory, Dong Nai Province

# COMMISSIONING

Commissioning process is a highly effective method to improve the performance of building systems and equipment, both LEED and LOTUS encourage commissioning in their system. GreenViet will involve into your project as a CxA to lead, review and oversee the completion of the commissioning process activities ...

## OUR RESPONSIBILITIES

- Integrate with design team, and contractor to perform commissioning tasks.
- Chair the commissioning meetings, both in pre-construction and construction, provides the chance to understand the role, tasks required of commissioning.
- Instruct team to prepare the Basis of Design (BOD), Owner Project Requirement (OPR).
- Develop a commissioning plan based on the OPR, BOD and commissioning meeting.
- Review and support on developing specifications, drawings.
- Provide input into the project design and any recommendations on improved project efficiency.
- As equipment is installed, we verify installation of equipment to be commissioned, and performs functional testing in collaboration with subcontractors.
- Develop a commissioning report for the owner and project team including reports on all visits, observations and recommendations for any incorrect issues.
- Revisit the building within a year of occupancy to retest the energy systems to ensure they are working properly (applied for enhanced commissioning)





03

# EXPERIENCES-PROJECTS



PROJECTS MAP

PROJECTS SUMMARY

SELECTED PROJECTS



# PROJECTS SUMMARY

	Name	Description	Location	Scope	Rating System	Certification level
01	Vietin Bank Tower	Office 126,257m <sup>2</sup>	Ha Noi	Building & Construction Consultancy	LEED - Core and Shell LOTUS -NR	Completed
02	Big C Ninh Binh	Retail, shopping center 19,228 m <sup>2</sup>	Ninh Binh	Commissioning	LOTUS - Non-Residential	Completed
03	Big C Ha Long	Retail, shopping center 26,316 m <sup>2</sup>	Quang Ninh	Full Certification	LOTUS - Non-Residential	In progress
04	Big C Nha Trang	Retail, shopping center 34,355 m <sup>2</sup>	Khanh Hoa	Full Certification	LOTUS - Non-Residential	In progress
05	Big C – Viet Tri	Retail, shopping center 11,408 m <sup>2</sup>	Phu Tho	Full Certification	LOTUS - Non-Residential	In progress
06	Samsung C&T	Green Building practice	Vietnam & Singapore	Market Research	LEED, LOTUS, Green Mark	Completed
07	Vocational Training Center	Dormitory & Canteen	Nghe An	Green Assessment	LOTUS Residential & Non-Residential	Completed
08	Mainetti Factory	Factory	Dong Nai	Full Certification	LOTUS BIO	In progress
09	Vietinbank Office	Office	District 2, HCMC	Sustainable Strategies	LEED benchmark	In progress
10	VietinBank Tower	Office 126,257m <sup>2</sup>	Hanoi	Commissioning Agent	LEED - Core and Shell LOTUS -NR	Awarded
11	Coca Cola Thu Duc	Office & Factory 60,000 m <sup>2</sup>	Ho Chi Minh	Commissioning Agent	LEED New Construction	In progress
12	IFF Indonesia	Laboratory 1,500 m <sup>2</sup>	Indonesia	Commissioning Agent	LEED New Construction	Awarded
13	Big C - Ninh Binh	Retail, shopping center 19,228 m <sup>2</sup>	Ninh Binh	Full Certification	LOTUS - Non-Residential	In progress
14	Worldon Sewing Factory	Sewing Factory & Office 398,094 m <sup>2</sup>	Ho Chi Minh	Full Certification	LEED New Construction	Awarded



# SELECTED PROJECTS



*GreenViet, from its name & its “Building Sustainable Practices” slogan, has a very clear vision to contribute to a greener Vietnam from its foundation.*





# COMMERCIAL CENTER BIG C HA LONG



## BUILDING DISCRIPTION

Location **HA LONG City**  
 Building Type **Retail, Commercial Center**  
 New/Existing **New**  
 Number of Storeys **3 storeys**  
 Site area **19,901 m2**  
 Gloss Floor Area **26,316 m2**  
 Rating Tool **LOTUS NR V1.1 - SILVER**

## PROJECT TEAM

Owner **VIET-NHAT Real Estate JSC**  
 Project Manager **SCQC JSC**  
 Architect **HIGHEND Architecture JSC**  
 MEP Design **SEAS Project Consultants Co., Ltd**  
 Green Consultant **GREENVIET Consultancy Co., Ltd**  
 General Contractor **PHU HUNG GIA**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Focus on zoning arrangement, location of main entrance, site elevation, sun shading to take advantage of local wind and limit the heat from sun;
- The project applies well-insulated envelope:
  - Wall is made by a 100mm-rockwool layer which is “sandwiched” between 2 metal sheets
  - Roof with high SRI membrane on top;
  - Window system use double glazing with low-e;
  - Light shelf to bring daylight deeper into the office space and reduce glare.

### ACTIVE DESIGN

- Various active design strategies:
  - High COP chiller;                      - Heat recovery from chiller system for domestic hot water supply;
  - T5 & LED bulbs are used;                      - Ice storage tank is used to save energy cost at peak load;
  - Utilize cooler air outside in winter for ventilation.

# COMMERCIAL CENTER BIG C NINH BINH



## BUILDING DISCRIPTION

Location **NINH BINH City**  
 Building Type **Retail, Commercial Center**  
 New/Existing **New**  
 Number of Storeys **3 storeys, 1 basement**  
 Site area **16,730 m2**  
 Gloss Floor Area **19,228 m2**  
 Year of Completion **2013**  
 Rating Tool **LOTUS NR V1.1 - SILVER**

## PROJECT TEAM

Owner **VIET-NHAT Real Estate JSC**  
 Project Manager **Apave Asia Pacific**  
 Architect **HIGHEND Architecture JSC**  
 MEP Design **CEBI Vietnam Company Limited**  
 Green Consultant **GREENVIET / SCHNEIDER**  
 General Contractor **PHU HUNG GIA**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Focus on zoning arrangement, location of main entrance, site elevation, sun shading to take advantage of local wind and limit the heat from sun;
- The project applies well-insulated envelope.

### ACTIVE DESIGN

- High COP chiller;
- T5 & LED bulbs are used;
- Ice storage tank is used to save energy cost at peak load;
- Utilize cooler air outside in winter for ventilation.



# COMMERCIAL CENTER BIG C VIET TRI



## BUILDING DISCRIPTION

Location **VIET TRI City**  
 Building Type **Retail, Commercial Center**  
 New/Existing **New**  
 Number of Storeys **2 storeys**  
 Site area **35,271 m2**  
 Gloss Floor Area **11,408 m2**  
 Year of Completion **2013**  
 Rating Tool **LOTUS NR V1.1 - SILVER**

## PROJECT TEAM

Owner **VIET-NHAT Real Estate JSC**  
 Project Manager **LAM HONG**  
 Architect **HIGHEND Architecture JSC**  
 MEP Design **CEBI Vietnam Company Limited**  
 Green Consultant **GREENVIET / SCHNEIDER**  
 General Contractor **VINACONEX 21**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Focus on zoning arrangement, location of main entrance, site elevation, sun shading to take advantage of local wind and limit the heat from sun;
- The project applies well-insulated envelope: Effective light concrete brick wall, Tonmat roof, Window system with double glazing low-E.

### ACTIVE DESIGN

- High COP chiller;
- T5 & LED bulbs are used;
- Ice storage tank is used to save energy cost at peak load;
- Utilize cooler air outside in winter for ventilation.

# COMMERCIAL CENTER BIG C NHA TRANG

## BUILDING DISCRPTION

Location **NHA TRANG City**  
 Building Type **Retail, Commercial Center**  
 New/Existing **New**  
 Number of Storeys **3 storeys, 1 basement**  
 Site area **20,857 m2**  
 Gloss Floor Area **34,355 m2**  
 Year of Completion **2014**  
 Rating Tool **LOTUS NR V1.1 - SILVER**

## PROJECT TEAM

Owner **VIET-NHAT Real Estate JSC**  
 Project Manager **LAM HONG**  
 Architect **HIGHEND Architecture JSC**  
 MEP Design **CEBI Vietnam Company Limited**  
 Green Consultant **GREENVIET Consultancy Co., Ltd**  
 General Contractor **AN PHONG**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Focus on zoning arrangement, location of main entrance, site elevation, sun shading to take advantage of local wind and limit the heat from sun;
- The project applies well-insulated envelope:
  - Wall is made by a 100mm-rockwool layer which is “sandwiched” between 2 metal sheets
  - Roof with high SRI membrane on top;
  - Window system use double glazing with low e;
  - Light shelf to bring daylight deeper into the office space and reduce glare.

### ACTIVE DESIGN

- High COP chiller;
- T5 & LED bulbs are used;
- Ice storage tank is used to save energy cost at peak load;
- Utilize cooler air outside in winter for ventilation.





# WORLDON FACTORY



## BUILDING DISCRIPTION

Location **HOCHIMINH City**  
 Building Type **Sewing Factory**  
 New/Existing **New**  
 Number of Storeys **2 storeys**  
 Gloss Floor Area **398,094 m2**  
 Year of Completion **2015**  
 Rating Tool **LEED New Construction - SILVER**

## PROJECT TEAM

Project Manager **LAM HONG**  
 Architect **IDCo.**  
 MEP Design **IDCo.**  
 Green Consultant **GREENVIET**

## BACKGROUND INFORMATION

- Worldon Factory is a sewing manufacturing with whole boundary includes 01 Office building, 01 Apartment and many plants as well as other facilities served for Factory workers (such as: Canteen, Kitchen, Medical room, entertainment...);
- The BOD management team has decided to apply for LEED certification for the project, aiming to create:
  - High performance building;
  - Be in accordance with the green trend in Vietnam particular, and over the world in general;
  - Become one of China sewing company in Vietnam to achieve Leed certification, to increase marketing value and promote well-being and healthy of occupants.

# VIETIN BANK OFFICE BUILDING

## BUILDING DISCRIPTION

Location **District 2, Ho Chi Minh City**  
 Building Type **Office Building**  
 New/Existing **New**  
 Number of Storeys **12 storeys**  
 Site area **1,900 m2**  
 Gloss Floor Area **19,000 m2**  
 Year of Completion **2015**  
 Rating Tool **LEED C&S Benchmark**

## PROJECT TEAM

Owner **VIETINBANK**  
 Architect **M Architect**  
 MEP Design **TTAD Company**  
 Green Consultant **GREENVIET Consultancy Company Limited**



## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Double glazing;
- Sun shading;
- Increase green area inside of building;
- Design open area for enhancing ventilation.

### ACTIVE DESIGN

- Focus on improvement of Energy performance, indoor air quality, and promotes occupant productivity and well-being as well:
  - High COP air conditioning system;
  - Provide fresh air comply to ASHRAE 62.1;
  - Effective sanitary fixtures.



# MAINETTI FACTORY



## PROJECT TEAM

Owner **MAINETTI Vietnam**  
 Green Consultant **GREENVIET Consultancy Company Limited**

## BUILDING DISCRIPTION

Location **Dong Nai Province**  
 Building Type **Factory & Office**  
 New/Existing **Existing**  
 Number of Storeys **2 storeys**  
 Site area **28,569 m<sup>2</sup>**  
 Gloss Floor Area **17,510 m<sup>2</sup>**  
 Rating Tool **LOTUS for Buildings in Operation**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Increase landscape area;
- Install film along to window glazing for reduce heat loss;
- Promote daylighting:
  - Transparent sheets at roof of factory and warehouse;
  - Maximize openable window at canteen;
  - Effective glazing at office.

### ACTIVE DESIGN

- T5 bulbs are used to provide ambient light together with task lights for better illumination;
- Rain water is collected for flushing toilets, cleaning & gardening;
- Push taps further save potable water for the factory;
- Improve indoor air quality by roof fan;
- Replace new inverter AC units.

# VIETINBANK TOWER



## BUILDING DISCRPTION

Location **HA NOI**  
 Building Type **Mixed - use Building**  
 New/Existing **New**  
 Number of Storeys **68 storeys**  
 Gloss Floor Area **126,257 m2**  
 Year of Completion **2018**  
 Rating Tool **LEED Core & Shell - GOLD**  
                   **LOTUS Non-Residential - SILVER**

## PROJECT TEAM

Owner **VIETINBANK**  
 Project Manager **TURNER**  
 Architect **FORSTER + PARTNERS**  
                   **VINACONEX R&D**  
 MEP Design **DSA Engineering**  
 Green Consultant **INDOCHINE Engineering /**  
                   **GREENVIET (LEED Enhanced commissioning)**  
 General Contractor **HOA BINH**

## SUSTAINABLE STRATEGIES

- Vietinbank Tower project is an office building located in a complex of three buildings at the Ciputra gateway in Ha Noi. The complex includes a retail podium with other services of dining, bar, gym and hotel in addition to the office building;
- The building is steel framed and uses GRC extensively for cladding. An atrium runs the full height of the building except at open terrace levels;
- Glazing will be high-performance;
- The site is conceived as a public plaza with green spaces and promenade walkways;
- After it is finished, the building will accommodate the headquarter of the Vietnam Joint Stock Commercial Bank for Industry and Trade.



# COCACOLA FACTORY



## BUILDING DISCRIPTION

Location **HOCHIMINH City**  
 Building Type **Factory**  
 New/Existing **New**  
 Number of Storeys **2 storeys**  
 Site area **60,000 m2**  
 Gloss Floor Area **35,000 m2**  
 Year of Completion **2014**  
 Rating Tool **LEED – Core & Shell - SILVER**

## PROJECT TEAM

Owner **COCACOLA**  
 Project Manager **TEBODIN Vietnam**  
 Architect **TEBODIN Vietnam**  
 MEP Design **TEBODIN Vietnam**  
 Green Consultant **TEBODIN Vietnam / GREENVIET (LEED Enhanced commissioning)**  
 General Contractor **UNICONS**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Skylight at roof top of factory and warehouse to promote daylighting.

### ACTIVE DESIGN

- LED lights used for saving energy;
- Efficiency sanitary fixtures;
- Improve indoor air quality by roof fan;
- Replace new inverter AC units.

# INTERNATIONAL FLAVORS & FRAGRANCES



## BUILDING DISCRIPTION

Location **INDONESIA**  
 Building Type **Office & Laboratory**  
 New/Existing **New**  
 Number of Storeys **2 storeys**  
 Site area **20,000 m2**  
 Gloss Floor Area **1,500 m2**  
 Year of Completion **2014**  
 Rating Tool **LEED NC - CERTIFIED**

## PROJECT TEAM

Owner **IFF Indonesia**  
 Project Manager **TEBODIN Indonesia**  
 Architect **TEBODIN Indonesia**  
 MEP Design **TEBODIN Indonesia**  
 Green Consultant **TEBODIN Indonesia / GREENVIET (LEED Enhanced commissioning)**  
 General Contractor **PIMSF**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Enhance glazing area with efficiency glass to promote daylighting and view for office.

### ACTIVE DESIGN

- HVAC: High performance - COP - System;
- Direct Fresh air fan to supply outdoor air intake complied with ASHRAE 62.1;
- Indoor air quality is managed to promote healthy working environment.

**04**

# **RESOURCES**



**OUR STAFF  
PERSONAL PROFILES**

**PROFESSIONAL  
ACTIVITIES**



# OUR STAFF



## DO HUU NHAT QUANG

Construction Engineer, MBA  
LEED GA, LOTUS AP

- Mr. Quang is a Construction Engineer graduated from HCMC Polytechnique University. Later he adds business administration into his background by getting a double MBA degree granted by CFVG and Audencia School of Management under a full scholarship sponsored by The French Ministry of Foreign Affairs. He is also a LEED GA which helps him a lot in managing LEED Certified Projects
- With over 10 years of working experience in construction and property industry, he has involved and managed different types of projects ranging from low-rise and high-rise residential & commercial developments. His track records can be named as Sky Garden, President Place and some other low rise development in Phu My Hung.
- He also has 3 years managing a LEED Gold project as a PM for Client.
- He is the first Client PM in Vietnam that leads an office building (President Place) from design, construction and LEED certification process. He was with Phu My Hung, Nam Long and Refico. Before that he was with Hoa Binh Corporation.



# QUANG DO 'S PROJECTS

## PRESIDENT PLACE

- Project Role **Project Team Manager**

The screenshot shows the LEED ONLINE interface for a project named 'President Place'. The user is logged in as 'Thu Nguyen | SITE USER'. The project is located in 'Ho Chi Minh City 70000 VN' and was registered on '1/8/2010'. The 'Team Administration' tab is selected, showing a list of team members. The member 'Quang Do' is highlighted with a blue border, indicating he is the Project Team Manager.

**President Place**  
 Ho Chi Minh City 70000 VN | Registered 1/8/2010  
 Certified

Overview | Post-Certification | Scorecard | Timeline | **Team Administration** | Registration Details | Clarifications | Messages(0) | Formal Inquiries

Certification Body Information  
 Your project has been assigned to [LEED Review Team F.](#)

Add Team Members | Manage Roles | Credit Assignment

**Project Team Members**

Full Name	Email Address	Organization	Credits	L.P. ?	Project Role
<a href="#">Fabio Frescia</a>	fabiofrescia@gmail.com	INDOCHINE ENGINEERIN	[C]	No	Environmental Manager
<a href="#">Thu Nguyen</a>	thunguyen.leedvn@gmail.com		[C]	No	Environmental Manager
<a href="#">KEVIN DINH</a>	kevin@indoeng.com	INDOCHINE ENGINEERIN	[C]	No	MEP Engineer
<a href="#">Hong Phuc Do</a>	hongphuc.do@gmail.com	INDOCHINE ENGINEERIN	[C]	No	Electrical Engineer
<a href="#">Mike Jubb</a>	mikej@refico.com.vn	REFICO		No	Owner
<a href="#">Suchera Ekpanyapong</a>	suchera@hbdesign.biz	DESIGN CONSULTANTS	[C]	No	Architect
<a href="#">VIET PHI PHAN</a>	phi@indoeng.com	INDOCHINE ENGINEERI	[C]	No	
<a href="#">Dang Anh Thi</a>	thidang@indoeng.com		[C]	No	
<a href="#">Sheldon De Wit</a>	sheldon_dewit@hotmail.com		[C]	No	HVAC Engineer
<a href="#">Quang Do</a>	quangd@sapphirevietnam.com	PRESIDENT PLACE SAIG	[C]	No	Owner
<a href="#">Kiet Phan</a>	kietphan@indoeng.com	INDOCHINE ENGINEERIN	[C]	No	HVAC Engineer

# PRESIDENT PLACE



## BUILDING DESCRIPTION

Location **HOCHIMINH City**  
 Building Type **Office**  
 New/Existing **New**  
 Number of Storeys **12 storeys - 3 basements**  
 Site area **1,472 sqm**  
 Gloss Floor Area **12,100 sqm**  
 Year of Completion **2012**  
 Rating Tool **LEED – Core & Shell - GOLD**

## PROJECT TEAM

Owner **PRESIDENT PLACE SAIGON Ltd.**  
 Project Manager **SAPPHIRE JSC**  
 Architect **HB DESIGN**  
 Construction Manager **MACE**  
 MEP Designer **INDOCHINE Engineering**  
 Green consultant **INDOCHINE Engineering**  
 LEED AP **Thu Nguyen**  
 General Contractor **COTECCONS**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- Roof top green garden to reduce heat and return clean oxygen to the environment;
- Low energy-loss glass;
- Sun shading: vertical and horizontal shading to reduce solar gain and exploit day lighting;
- Zone arrangement: office working place is along the outside envelope, technical area is located at core of building, to promote daylighting and view.

### ACTIVE DESIGN

- HVAC: Efficient air conditioning system with CO2 sensor, VAV and heat recovery wheel to reduce energy wastage;
- Efficient light bulb including T5 and LED lamps;
- Water-efficient sanitary fixtures;
- Building Management System (BMS) monitors the operational status of all systems;
- Lifts with intelligent destination dispatch and regenerative motors.

QUANG DO'S

# CERTIFICATION



GREEN BUILDING CERTIFICATION INSTITUTE HEREBY CERTIFIES THAT

## Do Huu Nhat Quang

HAS ATTAINED THE DESIGNATION OF

### LEED GREEN ASSOCIATE

BY DEMONSTRATING THE KNOWLEDGE AND UNDERSTANDING OF GREEN BUILDING PRACTICES AND PRINCIPLES NEEDED TO SUPPORT THE USE OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™.

*Vicki L. Flaherty*  
\_\_\_\_\_  
Chairperson

*Peter Templeton*  
\_\_\_\_\_  
Peter Templeton, GBCI President

January 20, 2013  
Date Issued

10655530  
Identification Number

January 19, 2015  
Valid Through







## Vietnam Green Building Council

hereby certifies that

# Đỗ Hữu Nhật Quang

has become a

 **LOTUS**  
**Accredited Professional**  
No. AP20130029

*This certificate is valid for 3 years from the date of issue*



\_\_\_\_\_  
Nguyen Minh Thong, Executive Director

22/07/2013

\_\_\_\_\_  
Issue Date



*Thu Nguyen studied in **Environmental Engineering** at the **HCMC University of Polytechnic** and later she was trained as an expert working on **Sustainability/ Green Building Services**. Qualified through the **LEED Accredited Professional (LEED AP)** and **LOTUS AP** awarded and good experience during 7 years of **Sustainability consultancy services**, Thu is known as one of the most initial Vietnamese expert in Sustainability field.*



**NGUYEN THI HUONG THU**

Sustainability Consultancy Expert  
 Environmental Engineer  
 LEED AP BD+C, LOTUS AP

- Focus on sustainability and increasing building performance, Thu will lead the consultancy process on how to obtain the accredited certificate and how to set up design and construction process under the Recognized Rating System (LEED, LOTUS, Green Star...).
- She will instruct, work closely and incorporate with all members (include architect, civil engineer, contractor, landscaping designer, M&E designer, suppliers,...), for completing commissioning process, work out the best practice / green material / efficiency equipment that contribute Sustainable / Green building, promoting occupant’s productivity, comfort and well-being, and seeking for the final LEED / LOTUS Certificate or Green Star benchmarking.
- Thu will be in charge of preparing LEED / LOTUS documentation to be submitted to GBCI (for LEED) or VGBC (for LOTUS), help Client achieve the best certification level.
- Thu has managed several projects which were awarded LEED and LOTUS Certificate in Viet Nam (Hanesbrands, Viet Nam Moc Bai, President Place).

# THU NGUYEN 'S PROJECTS

## PROJECTS OF SIGNIFICANCE

- Hanesbrands Sewing Facility (Phu Bai) - LEED Silver Awarded
- Viet Nam Moc Bai – LEED Silver Awarded, LOTUS Awarded
- President Place – LEED Gold Awarded
- Far East Tower – LEED Silver process
- Phu My Hung Office Building – LEED existing building Assessment
- Uniliver Office building – Green Star benchmarking
- Centre Point – Green Star benchmarking
- RMIT Sai Gon South – Green Star benchmarking

## WORKING EXPERIENCES

- Unilever Homebase Office (District 7, HCMC) - Green Star Benchmark: February 2008 - May 2008
- Centre Point (Phu Nhuan District, HCMC) - Green Star Benchmark: June 2008 - August 2009
- Hanesbrands Phu Bai (Hue Province) - Full LEED Certification: October 2008 - May 2012
- President Place (District 1, HCMC) - Full LEED Certificaton: December 2008 - December 2012
- Viet Nam Moc Bai Office (Tay Ninh Province) - Full LEED & LOTUS Certification: November 2008 - December 2012
- Viet Nam Moc Bai Factory (Tay Ninh Province) - Full LEED & LOTUS Certification: November 2008 - December 2012
- Far East Building (Ho Chi Minh City) - Full LEED Certification: December 2009 - Jan 2012
- Phu My Hung Office - (District 7, HCMC) - LEED EBOM Assessment: March 2012 - May 2012
- Big C Ha Long - Full LOTUS Certification and Commissioning: 2012 up to now
- Big C Nha Trang - LOTUS Certification and Commissioning: 2012 up to now
- Big C Ninh Binh - LOTUS Commissioning: 2012 up to now
- Mainetti Factory (Dong Nai Province) - Full LOTUS BIO Certification: July 2013 up to now
- VietinBank Office Building (District 2, HCM City) - LEED Benchmark: October 2013 up to now

# THU NGUYEN 'S PROJECTS

PROJECTS	PROJECT ROLE	CERTIFICATION
VIETNAM MOCBAI OFFICE	Project Administrator	LOTUS CERTIFIED LEED SILVER
VIETNAM MOCBAI FACTORY	LEED / LOTUS Coordinator	LEED SILVER LOTUS CERTIFIED
PRESIDENT PLACE	Project Administrator	LEED GOLD (CORE & SHELL) LEED AP
HANESBRANDS PHU BAI	Project Administrator	LEED SILVER LEED AP
DB TOWER	Project Administrator	LEED SILVER ANTICIPATED LEED AP



# VIETNAM MOCBAI OFFICE



## BUILDING DISCRPTION

Location **TAY NINH Province**  
 Building Type **Office**  
 New/Existing **Renovated**  
 Number of Storeys **2 storeys**  
 Gloss Floor Area **16,500 m2**  
 Year of Completion **2010**  
 Rating Tool **LEED SILVER**  
**LOTUS CERTIFIED**

## PROJECT TEAM

Owner **VIETNAM MOC BAI JSC**  
 Project Manager **SUNGWOO**  
 Architect **IDCo.**  
 Structure **IDCo.**  
 HVAC Contractor **TINH KY Co. Ltd**  
 LEED AP, LOTUS AP **NGUYEN THI HUONG THU,**  
**MELISSA MERRYWEATHER**  
 General Contractor **Phuong An Thinh Co., Ltd**

## SUSTAINABLE STRATEGIES

- Currently in Vietnam, Vietnam Mocbai Joint Stock Company Office is the first LOTUS NR Pilot certified project, achieving Certified level with a score of 79 points. The project is a major renovation of an existing building, a duty-free center in order to turn it into a building providing space for working and other services for the Vietnam Moc Bai Joint Stock Company. The 2-floor building provides space for management offices, dorm facilities, medical center, lab, kitchen and canteen on ground floor and mezzanine. Additional exterior areas consist of a green area, car parking and covered motorbike parking.
- Electricity savings is about 14.07% compared to the Baseline Model of ASHRAE 90.1.
- Water consumption saving based on efficient sanitary fixtures: save 41% compared to the baseline.
- Conductive working environment: 60% daylighting and 89% view outdoor connection.

# VIET NAM MOC BAI FACTORY



## BUILDING DISCRIPTION

Location **TAY NINH Province**  
 Building Type **Factory**  
 New/Existing **New**  
 Number of Storeys **2 storeys**  
 Gloss Floor Area **10,270 m2**  
 Year of Completion **2011**  
 Rating Tool **LEED CERTIFIED**  
                   **LOTUS CERTIFIED**

## PROJECT TEAM

Owner **VIETNAM MOC BAI JSC**  
 Project Manager **SUNGWOO**  
 Architect **IDCo.**  
 Structure **IDCo.**  
 HVAC Contractor **TINH KY Co. Ltd**  
 LEED AP, LOTUS AP **NGUYEN THI HUONG THU**  
                                   **MELISSA MERRYWEATHER**  
 General Contractor **Phuong An Thinh Co., Ltd**

## SUSTAINABLE STRATEGIES

- Vietnam Mocbai JSC Factory becomes the second LOTUS NR Pilot certified project, achieving Certified level with a score of 79 points.
- The project is the new construction of a set of eight factory buildings and services areas including electric rooms, RMC, recycling center, guard houses, water treatment and storage. The two buildings share a recycling and water treatment system.
- Electricity savings of Factory is about 17.26% (with included energy of INDUSTRIAL PROCESS EQUIPMENT) compared to the Baseline Model of ASHRAE 90.1.
- Water consumption saving based on efficient sanitary fixtures: save 22% compared to the baseline.
- Conducive working environment: 82 % daylighting and 100% view outdoor connection.



# HANESBRANDS PHUBAI



## BUILDING DISCRIPTION

Location **PHU BAI, HUE City**  
 Building Type **Factory & facilities**  
 New/Existing **New**  
 Number of Storeys **2 storeys**  
 Gloss Floor Area **16,400 m2**  
 Year of Completion **2010**  
 Rating Tool **LEED SILVER**

## PROJECT TEAM

Owner **HANESBRANDS INC**  
 Project Manager **HBP**  
 Architect **HBP**  
 MEP Designer **INDOCHINE Engineering**  
 LEED AP **NGUYEN THI HUONG THU**  
 General Contractor **AAC Architect Consultant Engineering & Construction JSC**

## SUSTAINABLE STRATEGIES

### PASSIVE DESIGN

- High vegetated area rate;
- Wall and roof structure with good insulation; roof of factory and parking made by material with high Solar Reflectance Index (SRI) and light color;
- Skylight is installed at roof of warehouse for improving daylighting;
- Optimize view connection to outside.

### ACTIVE DESIGN

- Automatically controlled HVAC System Design; high COP unit;
- Integrated Lighting Control: base lighting is low; provide task lighting for both office desk and working machine line;
- High efficiency water fixtures;
- Project installed BMS to monitor operation data.



# DB TOWER



## BUILDING DISCRIPTION

Location HOCHIMINH City  
 Building Type Office & Apartment  
 New/Existing New  
 Number of Storeys 22 storeys - 3 basements  
 Site area 1,725 m<sup>2</sup>  
 Gloss Floor Area 23,356 m<sup>2</sup>  
 Rating Tool LEED Core & Shell - SILVER

## PROJECT TEAM

Owner CAN VIEN DONG Co. Ltd.  
 Project Manager FQM CORPORATION  
 Architect MA ARCHITECTS Vietnam Co. Ltd.  
 Structure AECOM MAUNSELL Vietnam  
 MEP Designer INDOCHINE Engineering  
 LEED AP NGUYEN THI HUONG THU  
 Construction Survey Contractor National General  
 Construction Consulting Joint Stock Company  
 (NAGECCO)

## SUSTAINABLE STRATEGIES

- Reduce using potable water for sanitary fixture/ fitting by applied efficiency plumbing fixture, install flow restrictor. The percent of water saving is at least 30% compare to the baseline of LEED;
- Automatic lighting shutoff (lighting control): by timer control system;
- Office: Provide a switch in each multi-occupant space (Meeting rooms, conference rooms, or open offices ) and task lighting at each workstation;
- Apartment: Provide a switch in each room or separate space. Bedrooms, kitchens, dining rooms, family rooms, dens, etc. all require individual controllability. Switches will also need to be provided in each multi-occupant space, such as laundry facility, shared kitchen, or lounge area.

# THU NGUYEN 'S CERTIFICATION



GREEN BUILDING CERTIFICATION INSTITUTE HEREBY CERTIFIES THAT

## Huong Thu Nguyen

HAS ATTAINED THE DESIGNATION OF

### LEED AP BUILDING DESIGN + CONSTRUCTION

BY DEMONSTRATING KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR  
SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN  
(LEED®) GREEN BUILDING RATING SYSTEM™.

*John R. ...*  
Chairperson

*Peter Templeton*  
Peter Templeton, GBCI President

October 7, 2010  
Date Issued

10352041  
Identification Number

October 6, 2012  
Valid Through





GREEN BUILDING CERTIFICATION INSTITUTE HEREBY CERTIFIES THAT

# Huong Thu Nguyen

HAS ATTAINED THE DESIGNATION OF

## LEED AP BUILDING DESIGN + CONSTRUCTION

BY DEMONSTRATING KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR  
SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN  
(LEED®) GREEN BUILDING RATING SYSTEM™.

*Vicki L. Flaherty*  
\_\_\_\_\_  
Chairperson

*Peter Templeton*  
\_\_\_\_\_  
Peter Templeton, GBCI President

October 7, 2012  
Date Issued

10352041  
Identification Number

October 6, 2014  
Valid Through







**VGBC** | Vietnam Green  
Building Council  
Hội đồng Công trình xanh Việt Nam



WORLD GREEN BUILDING COUNCIL  
Asia Pacific Regional Network

## Certificate of **LOTUS Accredited Professional**

### Chứng chỉ **Chuyên viên Tư vấn LOTUS**

*This is to certify that  
Xác nhận*

# Nguyen Thi Huong Thu

*became a LOTUS Accredited Professional on*

*được công nhận là Chuyên viên Tư vấn LOTUS kể từ ngày*

**31st of August, 2011 (valid for 2 year)**

**Ngày 31 tháng 8 năm 2011 (có giá trị cho 2 năm)**

Yannick Millet  
Executive Director (Giám đốc)  
Vietnam Green Building Council

No. AP20110002



# Vietnam Green Building Council

hereby certifies that

## Nguyen Thi Huong Thu

has become a



### Accredited Professional

No. AP20110002

*This certificate is valid for 2 years from the date of issue*



\_\_\_\_\_  
Nguyen Minh Thong, Executive Director

31/08/2013

\_\_\_\_\_  
Issue Date

*Thi was awarded with **LOTUS AP** by Viet Nam Green Building Council. In addition to special interest in sustainability field, he develops his skill on **Energy modeling** which are specifically served for LEED & LOTUS Certification. He has an excellent experience in several Energy modeling softwares: IES, E-20,...*



**DANG ANH THI**

Mechanical Engineer  
 LOTUS AP  
 Simulation Expert

- Thi studied Mechanical Engineering at the HCMC University of Polytechnic.
- After graduating, he worked in Air conditioning, Heating and Mechanical Ventilation services design. Later, Thi has been trained with Green building/ Sustainability practices. He was awarded with LOTUS AP by Viet Nam Green Building Council. In addition to special interest in sustainability field, he develops his skill on Energy modeling which are specifically served for LEED & LOTUS Certification. He has an excellent experience in several Energy modeling softwares: IES, E-20,...
- He performs technical analysis and support project teams in: drawing and specification review; and prepare LEED/ LOTUS submission for all relation to energy modeling procedures, specifically ASHRAE 90.1 & 189, IECC, CA Title 24, LEED Energy efficiency and ASHARE Outdoor Air Ventilation rate.
- Thi has contributed in completing some of the first projects which were awarded LEED and LOTUS Certificate in Viet Nam (Hanesbrands, Viet Nam Moc Bai, President Place).



# THI DANG'S PROJECTS

## SUSTAINABILITY

- Hanesbrands Sewing Facility (Phu Bai) - LEED Silver Awarded
- Viet Nam Moc Bai – LEED Silver Awarded, LOTUS Awarded
- President Place – LEED Gold Awarded
- Far East Tower – LEED Silver process
- Vietinbank Tower – LEED Gold & LOTUS Silver
- Big C – LEED Gold & LOTUS Silver Awarded
- Brown's Beach Sri Lanka – LEED Silver

## HVAC

- Sanofi Aventis Pharmacy
- RMIT Saigon South
- Hyatt Regency Danang
- City Garden
- Presidents Place
- Far East Office
- Trang Tien Plaza
- 158 Vo Van Tan
- Happyland

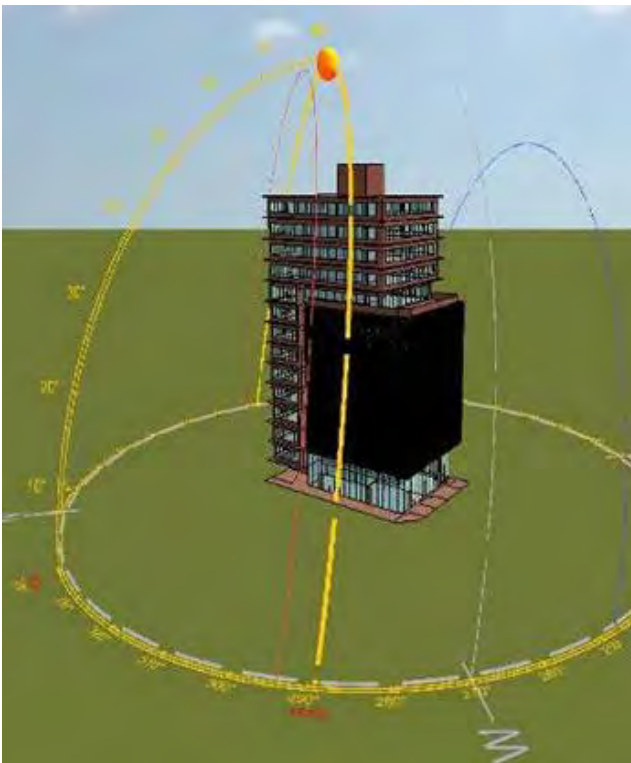
# THI DANG'S EXPERIENCES

Thi has much experience in energy modelling by IES software for many projects which pursued LEED Certification in Viet Nam

## PRESIDENT PLACE

- Office Building, 13 floors with 15,000 m2
- Has certified LEED Core & Shell - Gold level

- **EXPERIENCES:** Conduct whole energy simulation by IES software, full-fill EA-Prerequisite 2 form under LEED online for the submission, have responsibility to clarify all queries from GBCI during the certification review submission.



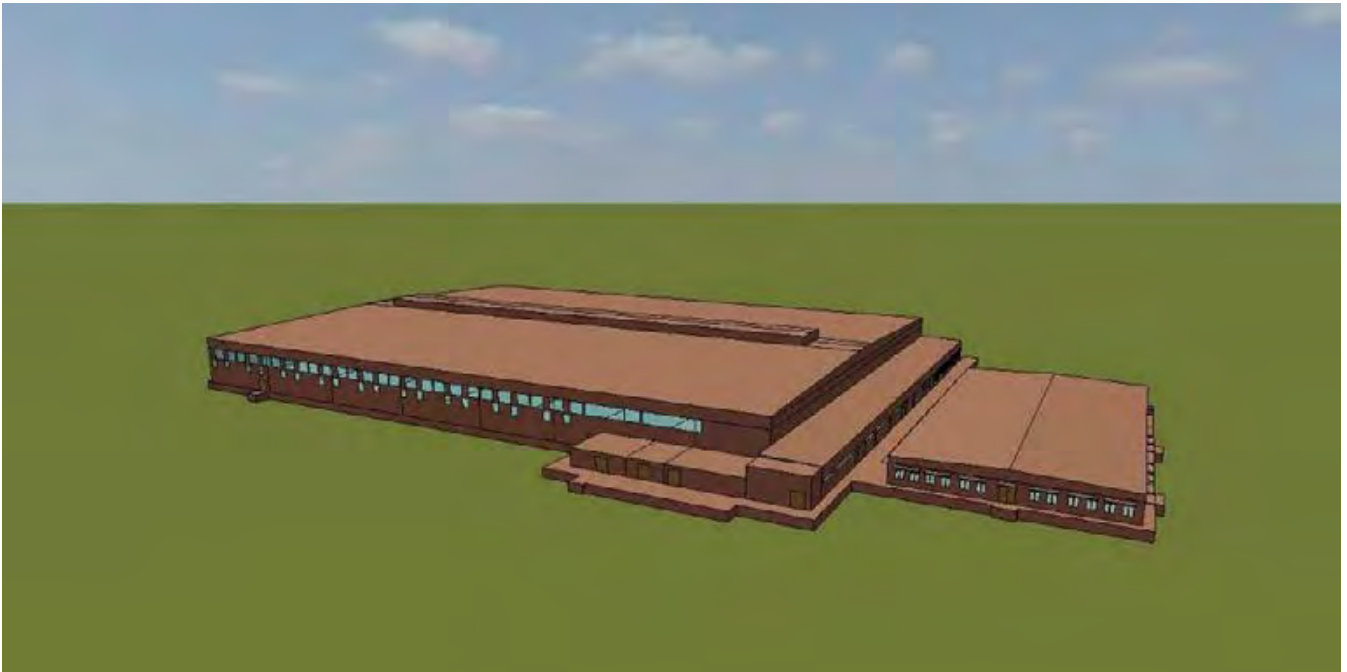
## DB TOWER

- Office Building, 22 floors, 23,000 m2
- Pursued LEED, currently it's on hold
- **EXPERIENCES:** Conduct energy simulation by IES software as the basis for design options.



## HANESBRANDS PHU BAI

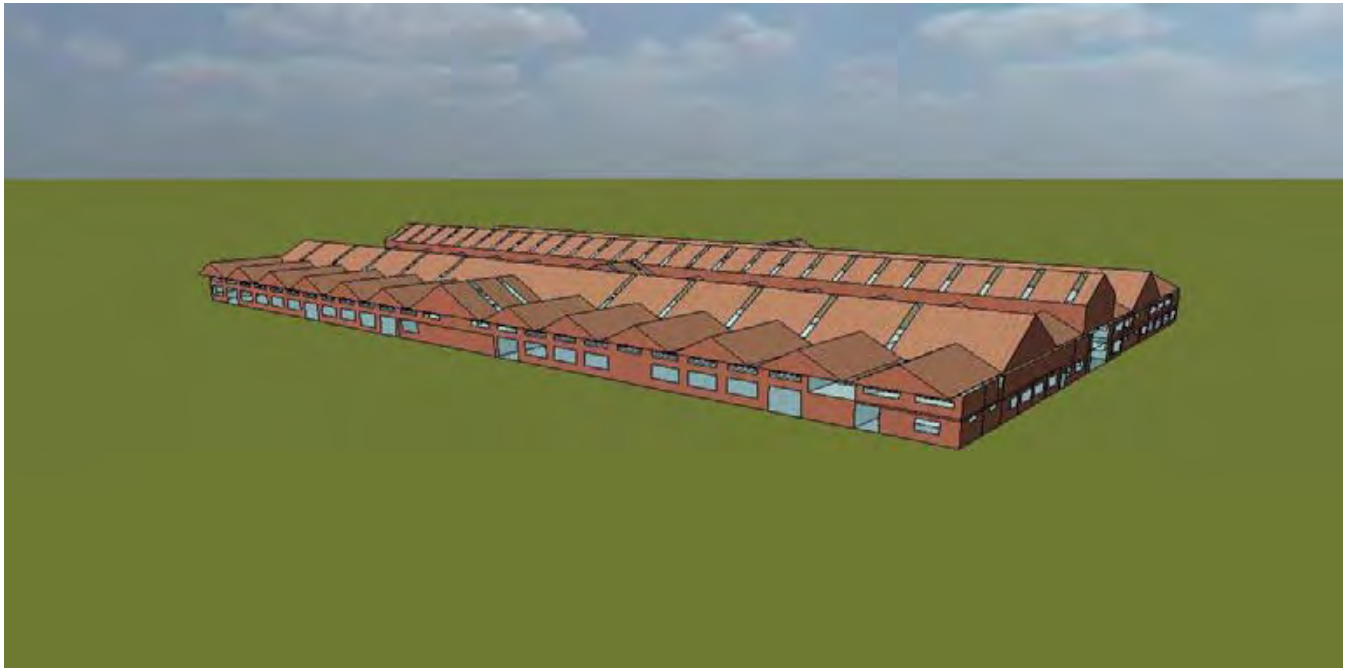
- Industrial - Garment Factory, with 17,000 m<sup>2</sup> Gross Floor area
- Has certified LEED New Construction - Silver level
- **EXPERIENCES:** Conduct whole energy simulation by IES software, full-fill EA-Prequisite 2 form under LEED online for the submission, have responsibility to clarify all queries from GBCI during the certification review submission.





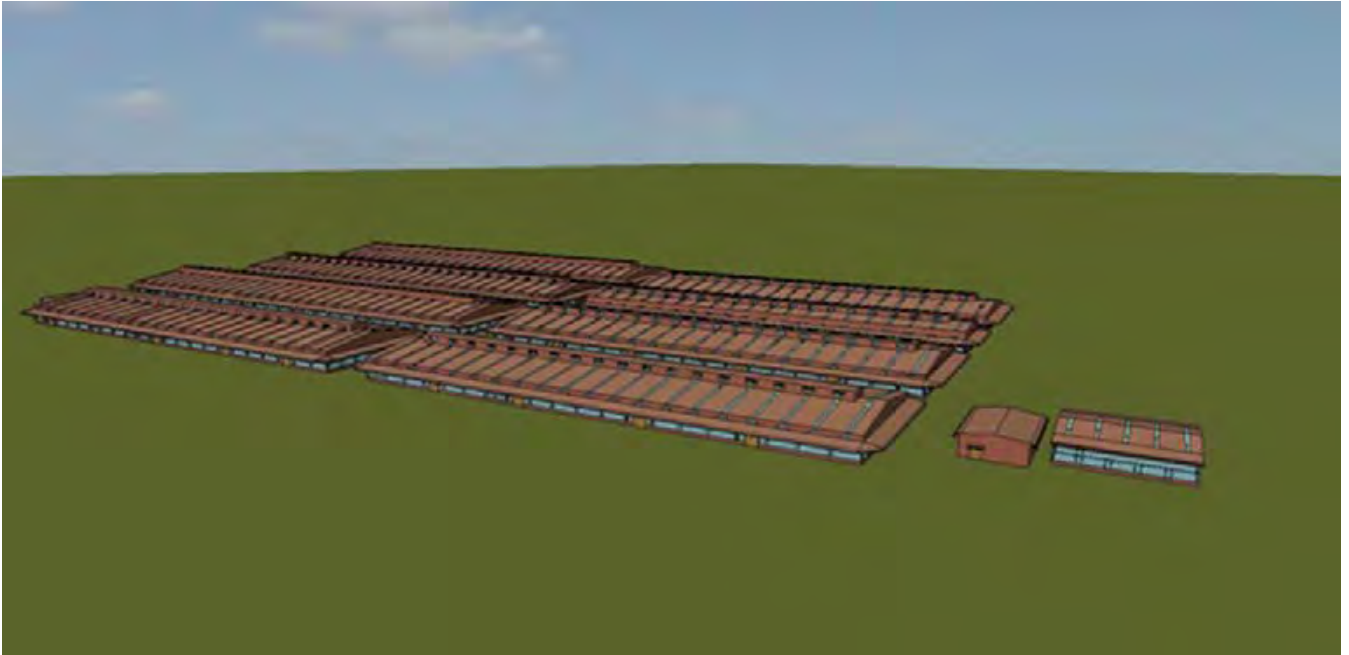
## VIETNAM MOCBAI OFFICE

- Office of Shoes Factory (Nike branch), with 16,000 m2 Gross Floor area
- Has certified LEED New Construction - Silver level
- **EXPERIENCES:** Conduct whole energy simulation by IES software, full-fill EA-Prequisite 2 form under LEED online for the submission, have responsibility to clarify all queries from GBCI during the certification review submission.



## VIETNAM MOCBAI FACTORY

- Industrial - Shoes Factory (Nike branch), with 81,491 m<sup>2</sup> Gross Floor area
- VHas certified LEED New Construction - Certified level
- **EXPERIENCES:** Conduct whole energy simulation by IES software, full-fill EA-Prequisite 2 form under LEED online for the submission, have responsibility to clarify all queries from GBCI during the certification review submission.



# THI DANG 'S CERTIFICATION



Certificate of **LOTUS Accredited Professional**

Chứng chỉ **Chuyên viên Tư vấn LOTUS**

*This is to certify that  
Xác nhận*

**Dang Anh Thi**

*became a LOTUS Accredited Professional on  
được công nhận là Chuyên viên Tư vấn LOTUS kể từ ngày*

**1st of September, 2011 (valid for 2 year)**

**Ngày 1 tháng 9 năm 2011 (có giá trị cho 2 năm)**



Yannick Millet  
Executive Director (Giám đốc)  
Vietnam Green Building Council

No. AP20110004





WORLD GREEN BUILDING COUNCIL  
Asia Pacific Regional Network

## Vietnam Green Building Council

hereby certifies that

# Dang Anh Thi

has become a

 **LOTUS**  
**Accredited Professional**  
No. AP20110004

*This certificate is renewed and valid for 2 years from the date of issue*



Tran Van Thanh, Executive Director

01/09/2013

Issue Date

Hung Luong studied in **Faculty of Thermal and Refrigeration Engineering** at Da Nang University of Technology. He has a lot of working experience with 3 years under **mechanical designer** role and 7 years under **mechanical site supervisor**. Integrating into the thoroughly construction skills, Hung was trained on sustainability practice and later he become an **LEED and LOTUS commissioning expert**. He has qualified LOTUS Accredited Professional (LOTUS AP) and already be responsibility for several LEED and LOTUS commissioning projects.



**LUONG THANH HUNG**

Mechanical Engineer  
 LOTUS AP  
 Commissioning Agent

- Focus on energy performance efficiency of energy-related systems inside of building, Hung will integrate with all contractors to do the commissioning process to verify all these systems are installed, calibrated and perform according to the owner’s project requirements, basis of design and construction documents.
- Hung has conducted commissioning for: Viet Nam Moc Bai Factory, Big C Di An, President Place, Far East Tower and Big C Ninh Binh projects.
- His role is directly establish the commissioning plan; instruct contractors to set up the testing form/ testing procedure as well as monitor/ verify testing result and pre-occupancy works to ensure the building in the best performance.

# HUNG LUONG 'S PROJECTS

## PROJECTS

## PROJECT ROLES

<ul style="list-style-type: none"> <li>• Camimex Seafood Export Company - Ca Mau City</li> <li>• Co-op Mart Supermarket Can Tho - 01 Hoa Binh Street, Tan An Ward, Ninh Kieu District, Can Tho City.</li> <li>• Thong Nhat Dairy Factory (Vinamilk) - 12 Dang Van Bi Street, Truong Tho Ward, Thu Duc District, HCMC</li> </ul>	<p>Site engineer</p>
<ul style="list-style-type: none"> <li>• VinhTrung Plaza (Phase 01) - 255-257 Hung Vuong Street, Vinh Trung Ward, Thanh Khe District, Danang.</li> </ul>	<p>Construction Supervision</p>
<ul style="list-style-type: none"> <li>• Indochina Riverside Tower - 74 Bach Dang Street, HaiChau District, Danang City</li> <li>• Culture Village - Doha, Qata</li> <li>• Complex Building at 265 Cau Giay - 265 Cau Giay, Dich Vong Ward, Cau Giay District, Hanoi</li> <li>• Renovations and Upgrades at Trang Tien Trade Centre Hanoi - 24 Hai Ba Trung Street, Hoan Kiem District, Hanoi.</li> <li>• Viet Nam Moc Bai Factory - Tay Ninh Province (LEED &amp; LOTUS Commissioning)</li> <li>• Far East Tower - 141-145 Dien Bien Phu Street, Binh Thanh District, HCMC (LEED Commissioning)</li> <li>• President Place Building - 91-93 Nguyen Du Street, District 1, HCMC (LEED Commissioning)</li> <li>• Green Square Big C - Di An, Binh Duong Province (LEED &amp; LOTUS Commissioning)</li> </ul>	<p>Construction Supervision - Design HVAC - Commissioning Agent</p>
<ul style="list-style-type: none"> <li>• California Fitness &amp; Yoga Center - 20 Cong Hoa Street, Ward 12, Tan Binh District, HCMC</li> </ul>	<p>MEP Engineer</p>
<ul style="list-style-type: none"> <li>• Big C Ninh Binh- Ninh Phuc Ward, NinhBinh City, Ninh Binh Province (LOTUS Commissioning)</li> </ul>	<p>Commissioning Agent</p>



# HUNG LUONG 'S CERTIFICATION



To Pham studied *Electrical Engineering* at *HCMC Pedagogical University of Technology*. He has a lot of working experience with 6 years under *lead electrical engineer* role and 2 years under *site manager*.

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**PHAM TRUONG TO**

Electrical Engineer

#### CERTIFICATE

- Electrical system Design practice certificate. Ministry of Construction, issued September 2008.
- Supervision of Electrical System and Equipment practice certificate. Ministry of Construction, December 2008.

#### SKILLS

- Computer skills: MS Office, MS Project, and ACAD.
- Language skills: able to communicate in both English and Vietnamese.
- Able to work independently and within a team under high pressure.
- Careful, well-organized and high sense of responsibility.

# TO PHAM 'S PROJECTS

## PROJECTS

## PROJECT ROLES

• Majestic Hotel Extension upgraded to 5 star - District 1, HCMC (2003-2004).

• Site supervisor

- Parson Hung Vuong Plaza Fit out - District 5, HCMC (2007).
- Aquaba Resort (Redesign) - Binh Thuan Province (2006).
- River Garden Apartment (Design) - District 2, HCMC (2006) with 18 floors.
- Dainippon Ink & Chemicals Vietnam factory - VSIP (2005). Produce printing ink.

• Electrical designer and Site manager

- Green Projects: Presidents Place office Building, SAP Thu Duc factory, big C Binh Duong supermarket (2013).
- Villa Song Saigon Hotel Renovation - District 2, HCMC (2013).
- Presidents Place office Building - District 1, HCMC (2011-2013). First LEED Gold accredited office in HCMC, 13 floors plus 03 basements.
- FV Hospital Nuclear Building - District 7, HCMC (2011). Renovation of new consulting rooms, 04 floors.
- Coca Cola Bottling Facility Addition and Renovation - District 9, HCMC (2010).
- A&B Tower office - District 1, HCMC (2009-2010). Office / retail/ commercial building, 24 floors plus 03 basements.
- Centre Point office Tower - Tan Binh District, HCMC (2008-2009). Green office building, 15 floors plus 02 basements.
- Saigon Pearl Apartment phase 1- Binh Thanh District, HCMC (2007). Luxury commercial apartment, 33 floors plus 01 basement.

• Lead electrical designer



*She graduated with a Bachelor Degree in Architecture from HCMC University of Architecture in 2013. She has some working experiences with 2 years as the part-time architectural collaborator in a architectural company and 1 year as the architect in GreenViet.*

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**HA NGOC NHU TRANG**

Architect

- She has graduated with a Bachelor’s Degree in Architecture from HCMC University of Architecture.
- She also takes pride in being included in the Top 5 in her graduation project. As a result, she was the school’s representative in the Loa Thanh National Architectural Graduation Project (an annual national competition among architecture students) and ended up winning the prize for Green Architecture.
- She has furthered her knowledge by participating in some courses to improve knowledge in Architecture and Urban Planning such as the International training course on “Planning for sustainability” organized by University of Hawaii, HCMC University of Architecture and Hanoi University of Architecture in 2011.

*Kevin has been working in Australia now, and in the meantime, he also supports GreenViet under an **Technical Advisor** role, as a commitment of quality that GreenViet will bring to your building.*



**KEVIN DINH**

Electrical Engineer  
LEED AP, LOTUS AP  
Member of GBCA

- Kevin has 10 year extensive experience in building services in a wide range of projects including infrastructure, commercial, retail, healthcare and residential.
- He is committed to applying environmentally sustainable design and innovations into his projects. He was part of the team that successfully completed the multi-award winning, Melbourne City Council House 2 – Australia that achieved 6-green star rating.
- Kevin has qualified in many fields as:
  - Associate Member of the International Association of Lighting Designers (IALD)
  - Member of Green Building Council Australia
  - LOTUS (Vietnam Green Building) Accredited Professional
  - LEED (Leadership in Energy and Environmental Design) Accredited Professional
  - Advanced Diploma of Electrical Engineering (Lighting) (High Distinction) – RMIT Australia
  - Creative Lighting Design – RMIT Australia
  - Bachelor of Electrical Engineers (Honours) – The University of Melbourne, Australia.

# KEVIN DINH 'S PROJECTS

## PROJECTS IN AUSTRALIA

- Australian Institute of Architects
- Land 121 - Defence
- Interactive Data Centre
- Casey Sub Acute - Healthcare
- Werribee Hospital – Healthcare
- Cabrini Health
- Dandenong Civic Centre
- Australian National University
- Melbourne City Council House 2 (CH2)
- Waterfront City
- Baillieu Library Bookshop, Melbourne University

## PROJECTS IN VIETNAM

- RMIT
- Bobby Chinn’s Restaurant
- Caravelle Hotel Refurbishment
- President Place
- ANZ Bank
- Viet Nam Moc Bai Office and Factory

## PROJECTS IN MIDDLE EAST

- Maysan Residential Towers
- Browns Beach, Sri Lanka,
- Al Raha Beach Development, Sadiyaat Island, Al Wathba Nursery



# KEVIN DINH 'S CERTIFICATION



**GREEN BUILDING CERTIFICATION INSTITUTE**

HEREBY CERTIFIES THAT

## Kevin Dinh

HAS ACHIEVED THE DESIGNATION OF

### LEED® ACCREDITED PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE  
REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY  
AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™.



Signature

June 15, 2009

Date Issued

Peter Tompkins, President

Printed on 30% recycled paper / 30% post-consumer fibers with vegetable based inks.

# PROFESSIONAL ACTIVITIES



TRAINING  
ACTIVITIES

*Training from PHILIPS technicians on Energy Efficient Lighting*

VISITING  
GREEN BUILDING



*Visiting Commercial Center Big C Di An in Binh Duong with HCMC University of Polytechnic.*



# GREEN ARCHITECTURE SEMINAR



1st Green Architecture Seminar - December 2012



2nd Green Architecture Seminar - June 2013



Trào đổi & chia sẻ giữa KS. Doanh nhân Nguyễn Văn Đức và các diễn giả hội thảo



"Quảng quần chuyên XANH" với những tiêu chí thiết kế Xanh & công trình theo chuẩn Xanh LEED & LOTUS của KTS. Trần Khánh Trung



3rd Green Architecture Seminar - December 2013





05

# CERTIFICATION

A decorative white graphic of a leafy branch, resembling a laurel wreath, is positioned on the left side of the page, extending from the bottom towards the top. It partially overlaps a large white circular area on the right.

**COMPANY  
CERTIFICATION**

**PROJECT  
CERTIFICATION**

# COMPANY CERTIFICATION



ORGANIZATIONAL

## GREENVIET CONSULTANCY CO., LTD.

MEMBER SINCE 2014

The U.S. Green Building Council is the nation's foremost coalition of leaders working to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life.

S. RICHARD FEDRIZZI  
President, CEO, & Founding Chair



**VGBC** Vietnam Green Building Council  
Hội đồng Công trình xanh Việt Nam



WORLD GREEN BUILDING COUNCIL  
Asia Pacific Regional Network

Certificate of **Green Champion**  
Chứng nhận **Nhà Vô địch Xanh**

*This is to certify that*  
*Xác nhận*



*has been a Regular Member*  
*of the Vietnam Green Building Council since*

*là Hội viên của*  
*Hội đồng Công trình Xanh Việt Nam từ*

**26 June 2013 (valid until 26/06/2015)**  
**ngày 26 tháng 06 năm 2013 (có giá trị đến ngày 26/06/2015)**

*and has provided vital support to the development*  
*of a strong and independent voice*  
*for a more sustainable built environment in Vietnam.*

*đã góp phần ủng hộ quan trọng*  
*để xây dựng một tiếng nói độc lập và mạnh mẽ*  
*cho một môi trường xây dựng bền vững hơn tại Việt Nam.*



Tran Van Thanh  
Executive Director  
Vietnam Green Building Council



# PROJECT CERTIFICATION



## PRESIDENT PLACE

Ho Chi Minh City, Vietnam

HAS SUCCESSFULLY ACHIEVED THE FOLLOWING LEVEL OF CERTIFICATION ESTABLISHED BY THE U.S. GREEN BUILDING COUNCIL  
IN THE LEED GREEN BUILDING RATING SYSTEM™ AND VERIFIED BY THE GREEN BUILDING CERTIFICATION INSTITUTE.

LEED FOR CORE & SHELL

# GOLD

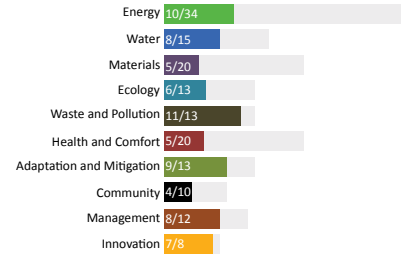
S. RICHARD FEDRIZZI, PRESIDENT & CEO  
U.S. GREEN BUILDING COUNCIL

December 2012

PETER TEMPLETON, PRESIDENT  
GREEN BUILDING CERTIFICATION INSTITUTE



# CERTIFIED PROVISIONAL



## VIETNAM MOC BAI - OFFICE

001-NR-P-MR

Has achieved the LOTUS Rating "Certified - Provisional" under LOTUS Non-Residential Pilot Version on 31st May 2012  
This certification is valid up until 2 years after the building begins operation



Yannick Millet, Executive Director  
(Vietnam Green Building Council)

Certificate number: 001 - NR - P - MR - 01









HANESBRANDS VIETNAM COMPANY LTD.  
PHU BAI II

Thua Thien Hue, Vietnam

HAS SUCCESSFULLY ACHIEVED THE FOLLOWING LEVEL OF CERTIFICATION ESTABLISHED BY THE U.S. GREEN BUILDING COUNCIL  
IN THE LEED GREEN BUILDING RATING SYSTEM™ AND VERIFIED BY THE GREEN BUILDING CERTIFICATION INSTITUTE.

LEED FOR NEW CONSTRUCTION

SILVER

A handwritten signature in black ink, appearing to read "R. Fedrizzi".

S. RICHARD FEDRIZZI, PRESIDENT & CEO  
U.S. GREEN BUILDING COUNCIL

May 2012

A handwritten signature in black ink, appearing to read "Peter Templeton".

PETER TEMPLETON, PRESIDENT  
GREEN BUILDING CERTIFICATION INSTITUTE





Building Sustainable Practices

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Website [www.greenviet.net](http://www.greenviet.net)



COMPANY PROFILE 2014