



LEED
LEARNING IN ENVIRONMENT & ENVIRONMENTAL DESIGN

Green Building Council
LOTUS

Edge
Excellence In Design
For Greater Efficiencies

WELL
WELL-BEING

fitwelSM

ARDOR GREEN

- VIETNAM GREEN BUILDING COUNCIL BOARD DIRECTORS
- HCMC GREEN ARCHITECTURE CLUB BOARD MEMBERS
- SINTALI-SGS EDGE EXPERT

- Ho Chi Minh City: 216/1/1 Nguyen Van Huong, An Khanh Ward, HCMC
- Hanoi: Level 14, Hapro Building, 11B Cat Linh, O Cho Dua Ward, Hanoi

- Vu Linh Quang, Managing Director, vuquang@ardorgreen.com
- Trinh Quang Loc, Technical Deputy Director, quangloc@ardorgreen.com
- Le Phuong Thao, Office Manager, phuongthao@ardorgreen.com

ARDOR GROUP

LEED / LOTUS / EDGE / WELL / FITWEL CONSULTANCY
SUSTAINABLE & GREEN DESIGN



2015

www.ardorgreen.com

2024





www.ardorgreen.com

- USGBC Silver Membership
- VGBC Silver Membership, Board of Directors
- HCMC Green Architecture Club Board Member
- SGS Vietnam's EDGE Expert Partnership

Green consultancy experience:

- Participated in activities in the field of Green Architecture and Green Building certification since 2010.
- Participated in the compilation and translation of the LOTUS Green Building Rating System (Vietnam Green Building Council).
- Contribute ideas for programs and policies to encourage Green Building, Energy Efficiency Building with the Ministry of Construction, IFC, USAID...

ARDOR Green:

- As one of the leading green consultants in Vietnam, ARDOR Green has participated in over 125 projects, over 6 million GFA of green buildings
- Vietnamese consultant is participating in EDGE consulting for projects in Thailand, Philippines, Laos and is a partner of IFC, World Bank Group to develop EDGE in Vietnam from 2020
- Participated in many typical projects including Landmark 81, Lancaster Luminaire, Toshin Starlake Urban Complex, City Planning Exhibition Center, Ho Chi Minh City Innovation Startup Center, Cardinal Court, The Habitat Binh Duong, TTI Techtronic Tools, Sembcorp Logistics Area, GawNP Nam Dinh Vu...

Projects with LEED / LOTUS / EDGE:

- Landmark 81, Binh Thanh District (81 levels, 244,811 m2)
- Lancaster Luminaire, Duong Lang, Hanoi (27 levels, 61,393 m2)
- TTI Techtronic Tools Factory, Saigon Hightech Park, District 9 (6 levels, 207,802 m2)
- Yen Phong 2C Industrial Park (Bac Ninh, 14 ready-built factories, 80,925 m2)
- Starlake Urban Complex, Bac Tu Liem, Hanoi (8 and 35 levels, 103,433 m2)
- Elysian (Gamuda Land, Thu Duc City, 4 blocks of 20 levels, 136,402 m2)
- Sembcorp Infra Services Logistics Park, VSIP Nghe An (3 warehouses, 38,620 m2)
- The Habitat Binh Duong - Phase 3 (Binh Duong, 6 blocks, 90,605 m2)
- Ho Chi Minh City Innovation Start-up Hub (District 3, 9,915 m2)
- Cardinal Court C13B Mix-use Residential (District 7, HCMC, 44,051 m2)
- Hue Square Boutique Hotel (Hue City, 9 levels, 11,196 m2)
- Lotte Eco Smart City (Lotte Properties, Thu Thiem, 6 towers, 301,369 m2)
- Swissotel Complex (TNR Holdings, Hai Phong, 2 towers, 39 levels, 207,199 m2)
- Gaw NP Dong Van (Dong Van 3 Industrial Park, Ha Nam, 103,668 m2)
- Artisan Park (Gamuda Land, Thu Dau Mot City, Binh Duong, 349 houses, 121,398 m2)
- Eco Village Six Senses Saigon River (Ecopark, Nhon Trach, Dong Nai, 504,907 m2)
- Maia Quy Nhon 2 Resort (VinaLiving, Phu Cat, Quy Nhon, 83,776 m2)

TYPICAL COMMERCIAL / HOSPITALITY GREEN PROJECTS



Takashimaya Starlake Urban Complex
LEED Platinum Certificate



LOTTE Eco Smart City (Residential)
EDGE / GRESB Certificate



LOTTE Eco Smart City (Commercial)
LEED Gold Certificate



The Metropole Thu Thiem
LEED Gold Certificate



City Planning Exhibition Center
LOTUS Gold Certificate



Vingroup Landmark81
LEED Silver Certificate



TTG Lancaster Luminaire
LEED Gold Certificate



NEO Offices
1st EDGE Zero Carbon certified portfolio in the world



Sila Thao Dien
LEED Gold Certificate



HCMC Innovation Startup Hub
EDGE Advanced Certificate



Layan Green Park Hotel & Resort
EDGE Advanced Certificate



Hue Square Boutique Hotel
EDGE Certificate



The Legend Sea Da Nang
EDGE Certificate

TYPICAL INDUSTRIAL GREEN PROJECTS



Coca-Cola Long An Greenfield
LEED Gold Certificate



Suntory PepsiCo Long An
LEED Gold Certificate



LOGOS Asia Bac Ninh
LEED Gold Certificate



Frasers Property Yen Phong Expansion
LEED Silver Certificate



Frasers Property Vietnam Yen Phong 2C
LEED Silver Certificate



Sembcorp Logistic Warehouses
LOTUS Silver Certificate



ARC Binh Duong Cold Storage
EDGE Advanced Certificate



Gaw NP Nam Dinh Vu
EDGE Certificate



Core 5 Vinh Phuc
LEED Silver Certificate



Frasers Property Dong Mai
LEED Silver Certificate



Milwaukee Techtronic Industries
LEED Gold Certificate



Paiho Garment Factory
LEED Silver & Gold Certificate

TYPICAL GREEN BUILDING CONSULTACY PROJECTS



Starlake Urban Complex, LEED Platinum



TNR Holdings, Swissotel, EDGE Advanced



Lotte Eco Smart City, EDGE & GRESB & LEED Gold



TTI Techtronic Industries, LEED Gold



Ecopark, EcoVillage Saigon River, EDGE Advanced



Gamuda Land Elysian, LOTUS Certified

ARDOR GREEN PROJECT LIST AT 03/2026



**PROVEN
PROVIDER**

LEED Projects: 44 projects - 3,379,174 m2

- Prudential Office (ADP, Phu My Hung Tower Office, 2 levels, 2,003.4 m2, LEED Certified)
- The Global City CT6 (Masterise Homes, Binh Trung Ward, 1 building, 30 levels, 57,394.2 m2, LEED Gold)
- The Global City CT5 (Masterise Homes, Binh Trung Ward, 1 building, 30 levels, 57,086.3 m2, LEED Gold)
- C1 Retail, Office, Hotel, Senior Housing (Phu My Hung, District 7, 2 buildings, 23 levels, 159,040 m2, LEED Gold)
- Soilbuild Spectrum Bac Ninh (Soilbuild, VSIP Bac Ninh II Industrial Park, Bac Ninh, 4 warehouses, 144,042.28 m2, LEED Silver)
- Soilbuild Spectrum Bac Giang (Soilbuild, Yen Lu Industrial Park, bac Giang, 12 warehouses, 135,475.72 m2, LEED Silver)
- EHA Hai Phong Industrial Park and Logistics Hub (Nam Dinh Vu Industrial Park, Hai Phong, 4 warehouses, 58,510 m2, LEED Silver)
- Phong Nam Plant (Betrimex, Vinh Long, 2 factories, 11,358 LEED Gold)
- Sembcorp Infra Services Logistics Park (Nam Dinh Vu Industrial Park, Hai Phong, 5 warehouses, 91,488.90 m2, LEED Silver)
- Core5 Hai Duong Phase 1 (Indochina Kajima, Hai Duong, 6 ready-built warehouses, 84,206 m2, LEED Silver)
- Core5 Hai Phong Phase 2 (Indochina Kajima, Hai Phong, 4 ready-built warehouses, 82,768 m2, LEED Silver)
- Thuan Thanh Industrial Park (Titan, Frasers Property, Bac Ninh Province, 3 ready-built warehouses, 121,240 m2, LEED Gold)
- OCB Tower (HVVH Huong Viet Holdings, District 1, 3 basements, 18 levels, 11,588 m2, LEED Silver)
- C10 Cultural Center (Phu My Hung, 7 levels, 52,031 m2, LEED Gold)
- OneHub Saigon BP2 (Ascendas Saigon Bund, Thu Duc City, 10 levels, 24,695 m2, LEED Silver)



ARDOR GREEN PROJECT LIST AT 03/2026



- Sonion Vietnam Factory (1 factory, office, 5 levels, 23,858 m2, LEED Gold)
- Metal Can Manufacturing Plant (Greencans Industries Vietnam, 1 factory, 26,442 m2, LEED Gold)
- Sembcorp Infra Services Logistics Park (Deep C Industrial Zone, Hai Phong, 5 warehouses, 79,918 m2, LEED Silver)
- Long Hau 3 Factory (Long Hau Industrial Park, Can Giuoc, Long An, 2 blocks, 4 levels, 60,145 m2, LEED Certified)
- AstraZeneca Office (AstraZeneca, Grand Terra, Dong Da, Hanoi, 1 level, 800 m2, LEED Gold)
- Core5 Vinh Phuc (Indochina Kajima, Vinh Phuc, 12 ready-built warehouses, 212,975 m2, LEED Certified)
- Comart Vietnam Factory (Token EnC, Bac Giang, 2 factories, 2 levels, 23,052 m2, LEED Silver)
- The Opusk Officer Tower (SonKim Land, EIM, Thu Thiem, 1 tower, 30 levels, 65,944 m2, LEED Gold)
- Suntory Pepsico Long An (Suntory Pepsico, Huu Thanh Industrial Park, Duc Hoa, Long An, 76,513 m2, LEED Gold)
- LOTTE Eco Smart City (Lotte Properties HCMC, Thu Thiem, 4 towers, 24 - 60 levels, 290,000 m2)
- LOGOS Yen Phong IIA (LOGOS, 2 warehouses, 122,009 m2, LEED Gold)
- Coca-Cola Long An Greenfield (Swire, Coca-Cola Beverages Vietnam, Phu An Thanh Industrial Park, Ben Luc, Long An, 75,764 m2, LEED Gold)
- CIMB Bank (ADP, The Hallmark, 2 levels, 2,438 m2, LEED Gold)
- L'Oreal Office (JLL, The Nexus, District 1, 3 levels, 2,904 m2, LEED Gold)
- Yen Phong 2C Industrial Park (Frasers Property, Bac Ninh Province, 14 ready-built warehouses/factories, 80,925 m2, LEED Silver)
- Yen My Industrial Park (Frasers Property, Hung Yen Province, 41 ready-built warehouses, 163,704 m2, LEED Silver)
- Yen Phong Expansion Industrial Park (Frasers Property, Bac Ninh Province, 27 ready-built warehouses, 153,855 m2, LEED Silver)
- Dong Mai Industrial Park (Frasers Property, Quang Ninh Province, 12 ready-built warehouses, 75,626 m2, LEED Silver)
- Starlake Urban Complex, Takashimaya (Toshin Development, West - Westlake, Bac Tu Liem, Hanoi, 8 and 35 levels, 103,433 m2, LEED Silver)



ARDOR GREEN PROJECT LIST AT 03/2026



- TTI Techtronic Tools Factory (Techtronic Industries, Saigon Hightech Park, Thu Duc City, 6 levels, 2 factories, 207,802 m2, LEED Gold)
- Cong Bang Corporation Green Office (Cong Bang Corporation, Bach Dang, Tan Binh District, 6 levels, 1,307 m2, LEED Gold)
- Cat Tuong Office (CTG, Phu Nhuan, 12 levels, 5,335 m2, LEED Gold)
- Sila Thao Dien (Thien Huong, Nguyen Van Huong, Thu Duc City, 2 blocks of 18 and 26 levels, 41,013 m2, LEED Gold)
- TTG Lancaster Luminaire (TTG Trung Thuy Group, Duong Lang, Hanoi, 27 levels, 61,523 m2, LEED Gold)
- Paiho Garment Factory (Paiho Vietnam, Le Minh Xuan III Industrial Zone, Binh Chanh, 4 factories, 22,105 m2, LEED Gold)
- NS Bluescope Office and Canteen (NS Bluescope Steel, Phu My I, Ba Ria Vung Tau Province, 27,147 m2, LEED Gold)
- The Landmark 81 (Binh Thanh, 81 levels, 244,811 m2, LEED Silver)



ARDOR GREEN PROJECT LIST AT 12/2025



LOTUS Projects: 11 projects - 322,750 m2

- The Meadow (Gamuda Land, Binh Chanh, 202 house, 62,133 m2, LOTUS Certified Core & Shell)
- Elysian (Gamuda Land, Thu Duc City, 4 blocks of 20 levels, 136,402 m2, LOTUS Certified)
- Sembcorp Infra Services Logistics Park (VSIP Quang Ngai, 3 warehouses, 32,993 m2, LOTUS Silver)
- Sembcorp Infra Services Logistics Park (VSIP Nghe An, 3 warehouses, 38,620 m2, LOTUS Silver)
- Sembcorp Infra Services Logistics Park (VSIP Hai Duong, 1 warehouse, 14,100 m2, LOTUS Certified)
- Sky House (MIA Design Studio, Thu Duc City, 572 m2, LOTUS Silver)
- Genesis School (Capital House, Tay Ho, Hanoi 3 levels, 6,128 m2, LOTUS Gold)
- Pro Active Manufacturing Facility (Pro Active, Dai Dang Industrial Park, Thu Dau Mot, Binh Duong, 3,980 m2, LOTUS Silver)
- V-KIST Vietnam - Korean Institute of Science and Technology (Hoa Lac Hi-tech Park Management, 2 blocks of 4 levels, 6,311 m2, LOTUS Silver)
- VSIP Nghe An Office (VSIP Nghe An, Vinh, Nghe An Province 3,204 m2, LOTUS Silver)
- CPEC City Planning Exhibition Center (HCMC People's Committee, Thu Thiem, 5 levels, 18,307 m2, LOTUS Silver)



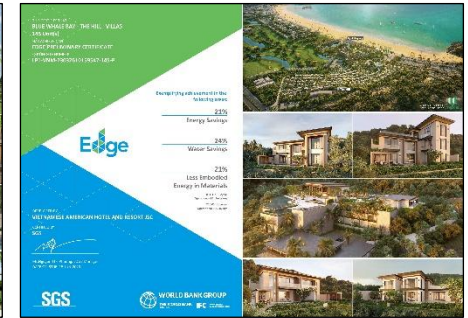
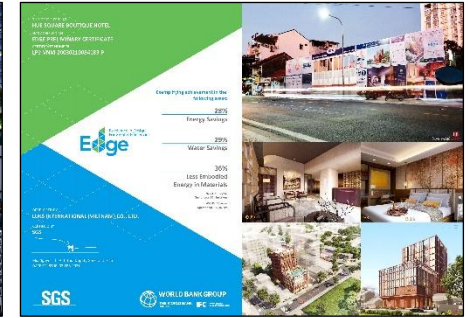
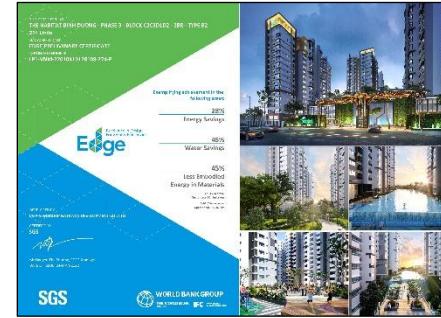
ARDOR GREEN PROJECT LIST AT 03/2026



EDGE Projects: 74 projects - 5,693,548 m2
In Vietnam: 68 projects - 5,219,722 m2

- Four Seasons, Maitland Hanoi City (Phu Long, 353 units, 158,772 m2)
- H8 Residential (Phu My Hung, 3 blocks, 24 levels, 492 units, 84,493 m2)
- Palm River (HVH, Binh Trung Ward, 4 blocks, 33 levels, 620 units, 115,286 m2)
- Luvista (Conasi, Quy Nhon, 5 blocks, 19 levels, 1,596 units, 155,985 m2)
- Gamuda Hai Phong (Gamuda Land, 1 block, 37 levels, 145,113.4 m2)
- VSIP Nghe An Phase 1B (VSIP Semcorp, Nghe An, 766 units, 250,000 m2)
- VSIP Lang Son Office Building (VSIP Semcorp, Lang Son, 1,800 m2)
- CR5-2 Residential (Phu My Hung, District 7, 1 block, 18 levels, 28,346.64 m2)
- ST5 Residential (Nam Long, Long An, 4 blocks, 9 - 18 levels, 60,728.28 m2)
- The Aspira (Saigon High Rise, Binh Duong, 2 blocks, 30 levels, 118,643.02 m2)
- CN8-2 Residential (Phu My Hung, District 7, 2 blocks, 20 levels, 23,063.25 m2)
- The Fullton (CapitaLand, Ocean Park 3, 729 low-rise unit, 275,163 m2)
- CR-9 Residential (Phu My Hung, District 7, 2 blocks, 18 levels, 56,097 m2)
- VSIP Ha Tinh Office (Bac Thanh Ha IP, Ha Tinh, 1 block, 2 levels, 1,652 m2)
- PECC2 Innovation Hub (PECC2, Thu Duc City, 2 blocks, 6 levels, 9,868 m2)
- BMP Green Office (Binh Minh Plastics, District 6, 3 blocks, 3 levels, 1,600 m2)
- Essensia Sky (Phu Long, Nha Be District, 2 blocks, 26 levels, 52,244 m2)
- The Nosta (TNR, ROX Living, Dong Da District, Hanoi, 24 levels, 51,981 m2)
- My Phu (MIK, Thu Duc, 107 houses, 2 blocks, 25 levels, 125,027 m2)
- Cap Saint Jacques C4 Condomotel/Hotel (DIC, Vung Tau, 31 levels, 44,641 m2)
- Cap Saint Jacques C3 Hotel (DIC, Vung Tau, 26 levels, 30,455 m2)
- BRG Tower (BRG Group, Hoan Kiem District, 21 levels, 31,692 m2)
- Vo Van Tan High School (VPBank, MIK Group, Long An, 3 levels, 7,459 m2)
- Mapletree Thuan Thanh 1 (Mapletree, Bac Ninh, 6 warehouses, 109,456 m2)
- Eaton Park (Gamuda Land, 6 blocks, 29 - 39 levels, 206,693 m2)
- BUV British University Vietnam - Phase 2 (3 blocks, 3 levels, 20,385 m2)
- BUV British University Vietnam - Phase 1 (1 block, 3 levels, 12,891 m2)
- Grand Mercure Condotel (ROX Living, Phu Yen, 39 levels, 86,956 m2)
- Diamond Lotus Riverside (Phuc Khang, 3 blocks, 22 levels, 67,242 m2)

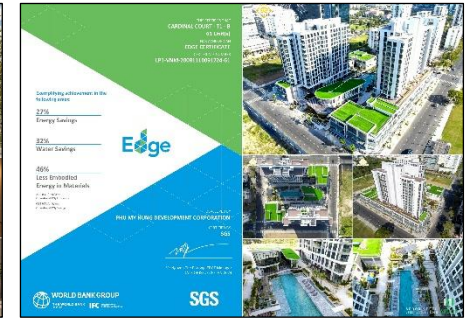
25/08/2026



ARDOR GREEN PROJECT LIST AT 03/2026



- The Six8 Office (Lam Anh Real, Tan Binh District, 10 levels, 7,953 m2)
- LMP Office (LMP Design, Thu Duc City, 4 levels, 783 m2)
- Amita Office (MITA, Phu Nhuan District, 8 levels, 1,290 m2)
- Maia Quy Nhon 2 Resort (VinaLiving, Phu Cat, Quy Nhon, 83,776 m2)
- Vinh Hoi Phase 1A, Hill Zone & Beach Zone (VinaLiving, 95,408 m2)
- Eco Village Six Senses Saigon River (Ecopark, Dong Nai, 504,907 m2)
- Lotte Eco Smart City (6 towers, 12 - 48 levels, 301,369 m2)
- Metro IX Office (Saigon 9, Thu Duc City, 15 levels, 11,850 m2)
- TD Tower (Truong Dinh Holding, Thu Duc City, 17 levels, 7,552 m2)
- Swissotel Hai Phong (TNR Holdings, 2 towers, 39 levels, 207,199 m2)
- Gaw NP Dong Van (Ha Nam, 7 factories/warehouses, 103,668 m2)
- Artisan Park (Gamuda Land, Binh Duong, 349 houses, 121,398 m2)
- The Legend Sea (TNR Holdings, Da Nang, 33 levels, 155,388 m2)
- Gaw NP Nam Dinh Vu (Hai Phong, 7 factories/warehouses, 101,854 m2)
- DIC Corp Office (DIC Corp, Vung Tau, Ba Ria Vung Tau, 8,840 m2)
- Everpia Giang Dien (Giang Dien, Dong Nai, 2 factories, 28,956 m2)
- LK Light Hub (Long Khang LK Technology, Thu Duc City, 1,159 m2)
- ARC Binh Duong Cold Storage (Binh Duong, 2 warehouses, 8,102 m2)
- Casa Flora - Phase 2 & 3 (VSIP Sembcorp, Nghe An, 58,725 m2)
- DAT Office Building (DAT Technology, District 12, 4,351 m2)
- The Habitat Binh Duong - Phase 3 (VSIP Sembcorp, 6 blocks, 90,605 m2)
- Ho Chi Minh City Innovation Start-up Hub (HMTC, District 3, 9,915 m2)
- VSIP Sembcorp Casa Flora - Phase 1 (VSIP Sembcorp, 57,736 m2)
- Cat Tuong Park House Clubhouse (Cat Tuong, Binh Phuoc, 512 m2)
- Cardinal Court C13B (Phu My Hung, 2 blocks, 44,051 m2)
- Hue Square Boutique Hotel (Luks International, Hue, 9 levels, 11,196 m2)
- Hausnima Apartment (EZLand, District 9, 4 blocks, 159,537 m2)
- Ricons Mechanical Processing Plant (Dong Nai, 1 factory, 3,194 m2)
- House of Breeze (Thu Duc, 3 levels, 238 m2)
- The Habitat Binh Duong - Phase 2 (VSIP Sembcorp, 3 blocks, 35,782 m2)
- AquaBay - Ecopark (Hung Yen, 7 blocks, 30 - 36 levels, 333,874 m2)
- M-Building (Motives, District 7, 10 levels, 7,104 m2)
- Flora Fuji Apartment (Nam Long, 2 blocks, 18 levels, 11,327 m2)
- Flora Kikyo Apartment (Nam Long, 2 blocks, 16 levels, 19,203 m2)



ARDOR GREEN PROJECT LIST AT 03/2026



In overseas: 6 projects - 473,826 m2

- Layan Verde - Phase 1 - 3 (Phuket, Thailand, 11 blocks, 96,288 m2)
- Layan Green Park - Phase 2 (Phuket, Thailand, 4 blocks, 34,315 m2)
- La Vista Villas (Phuket, Thailand, 11 villas, 5,507 m2)
- Layan Green Park - Phase 1 (Phuket, Thailand, 4 blocks, 27,723 m2)
- Damosa Diamond Tower (Davao City, Philippines, 16 levels, 20,618 m2)
- NEO Offices, 1st EDGE Zero Carbon certified portfolio in the world (Philippines, 7 Office Towers, 289,375 m2)



EDGE CONSULTANCY CAPABILITY IN ASIA PACIFIC

Sintali
path to a sustainable future

SGS



**EDGE Expert
Partner**



ADVANCING NET ZERO

One/NEO/, Four/NEO and Six/NEO are all rated 5 Stars under the ANZ/PH Energy Certification pilot program for its 100% renewable energy supply and optimization of the buildings' energy consumption.

Contract Number: EDGE Expert 26

Contract Effective Date: 07 / 07 / 2021

SGS



CO-OPERATION AGREEMENT

between

the Consortium of Société Generale de Surveillance SA (hereafter "SGS" or "Auditor") and Sintali Ltd (hereafter "Sintali" or "Certifier")

and

Company name (hereafter "EDGE Expert"):	Ardor Co. Ltd
Registered company address:	216/1/1 Nguyen Van Huong, Thao Dien, District 2, Ho Chi Minh City, Vietnam
Existing under the laws of:	Vietnam

Sintali
path to a sustainable future

Document Ref: GT5ZL-UWAG7-UXY6U-VHKRB

Page 1 of 11

Page 1 of 11

- Participated in the first pilot demonstration projects for Apartments (EHomes 5, District 7), Offices (MBuilding, District 7), Factories (Ricons, Nhon Trach), Hospitals, Schools... in Vietnam
- Participated in hotel and office projects in Thailand, Laos, Philippines...

Signature Certificate

Document Ref.: GT5ZL-UWAG7-UXY6U-VHKRB

Document signed by:

	Vu Linh Quang Verified E-mail: vuquang@ardorarch.com	
	Sintali Certifier Verified E-mail: edge@sintali.com	
	Sophie Besnard Verified E-mail: sophie.besnard@sgs.com	
	Nicolas Kyndt Verified E-mail: nicolas.kyndt@sgs.com	

Document completed by all parties on:

07 Jul 2021 15:07:01 UTC

Page 1 of 1



Signed with PandaDoc.com

PandaDoc is a document workflow and certified eSignature solution trusted by 25,000+ companies worldwide.



- Appointed by IFC, World Bank Group as EDGE Business Development Partner in Vietnam
- EDGE Consulting in Asia appointed by 2 international organizations: Sintali (UK office) and SGS (Sweden office)

LAYAN GREEN PARK, PHUKET, THAILAND

THIS CERTIFIES THAT
Layan Green Park, Building A “Mangosteen”
HAS ACHIEVED AN
EDGE ADVANCED PRELIMINARY CERTIFICATE
CERTIFICATE NUMBER
GP1-THA-20022110083817-P

EDGE Excellence In Design
For Greater Efficiencies

DEVELOPED BY
Layan Green Park Co., Ltd.

CERTIFIED BY
Sintali-SGS

Thomas Saunders
Thomas Saunders, Managing Director
DATE OF ISSUE: 25-MAY-2021

Sintali
path to a sustainable future

EDGE ADVANCED
Exemplifying achievement in the following areas:

42%
Energy Savings

27%
Water Savings

43%
Less Embodied Energy in Materials

397.31 tCO₂/year
Operational CO₂ Emissions

292.88 tCO₂/year
Operational CO₂ Savings

WORLD BANK GROUP

THE WORLD BANK IFC International Finance Corporation

LA VISTA VILLAS, PHUKET, THAILAND

THIS CERTIFIES THAT
La Vista Villas - Type A
25 Units

HAS ACHIEVED AN
EDGE ADVANCED PRELIMINARY CERTIFICATE
CERTIFICATE NUMBER
GP1-THA-21090410118785-25-P



EDGE ADVANCED
Exemplifying achievement in the
following areas:

54%
Energy Savings

29%
Water Savings

36%
Less Embodied
Energy in Materials

5.30 tCO₂/unit/year
Operational CO₂ Emissions

6.17 tCO₂/unit/year
Operational CO₂ Savings

DEVELOPED BY
Phuket Best Way Co., Ltd.

CERTIFIED BY
Sintali-SGS

Thomas Saunders

Thomas Saunders, Managing Director
DATE OF ISSUE: 25-APR-2022

Sintali
path to a sustainable future

 **WORLD BANK GROUP**
THE WORLD BANK IFC International
Finance Corporation

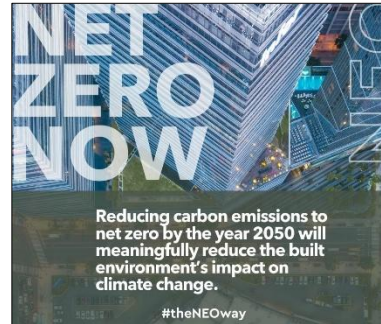


NEO OFFICES, 1ST EDGE ZERO CARBON CERTIFIED PORTFOLIO IN THE WORLD



We celebrate a very special global milestone today, as NEO achieves the distinction of being the **first Edge Zero Carbon certified** portfolio. In the world.

NEO

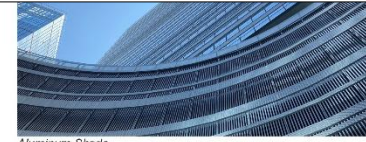
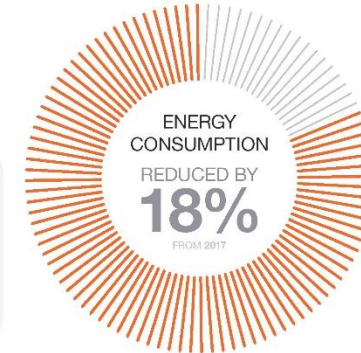
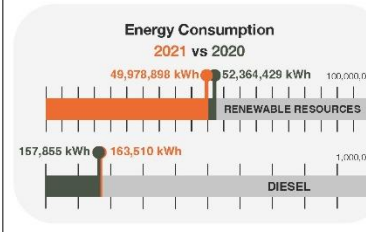


Energy Efficiency

NEO implements various strategies and programs for effectively reducing energy consumption and achieving outstanding efficiency. Energy consumption for the portfolio has gone down by 18% from 2017, contributed by both NEO's active and passive design strategies. One of the earlier and simpler active design strategies for energy efficiency, the energy conservation program switches off select lighting and elevators during off-peak hours such as weekends and holidays. Passive design strategies have also greatly contributed to the portfolio's energy efficiency. Podium parking with vertical louvers has eliminated the need for additional energy consumption for ventilation. Unique to Six/NEO and Seven/NEO, the twin towers feature an aluminum shade system and tower orientation to maximize daylight while also reducing costs for cooling and lighting. Other NEO buildings apply the same concept with a low window-to-wall ratio of 35% to 43%. All buildings utilize LED lighting for its high-cost reductions in contrast to CFL bulbs, with a return on investment in three to five years.

An Energy Management Team has also been specifically designated to keep abreast of innovations for energy efficiency as the energy sector continues to evolve. The team is assigned with continuously proposing, delegating, and implementing energy-efficient projects and practices for NEO.

NEO's innovations and achievements in energy efficiency have been recognized through various awards and certifications such as the Department of Energy Energy Efficiency Awards in 2020 and the 5-Star certifications from Advancing Net Zero Philippines in 2021.



Source: NEO Office Sustainability Report, <https://www.neooffice.ph/sustainability>

NEO OFFICES, 1ST EDGE ZERO CARBON CERTIFIED PORTFOLIO IN THE WORLD



We celebrate a very special global milestone today, as NEO achieves the distinction of being the **first Edge Zero Carbon certified** portfolio. In the world.

NEO



NEO



NEO



NEO



NEO



NEO



NEO



NEO

ARDOR GREEN & THE TRANSITION TO EMBODIED CARBON



Date: 01/2026

74

EDGE PROJECTS



57,541

SAVINGS OF
TONNES CO2



= 5,539,014

GREEN GFA (M2)

= 575

HECTARE OF TROPICAL FOREST
ABSORBING CARBON



= 198,418

FLIGHTS FROM HANOI TO
HO CHI MINH CITY



= 12,508

PASSENGERS CARS DRIVEN IN 1 YEAR



- 575 Hectare of 5 - 6 years old tropical forest absorbing carbon (100 TCO2/1 hectare, from Vietnam Academy of Science and Technology)
- 198,418 Flights from Hanoi to Ho Chi Minh (0.29 TCO2/flight, from MyClimate.com)
- 12,508 Passenger car driven in 1 year (4.6 TCO2/car, from U.S. Environmental Protection Agency)

GREEN BUILDING INTRODUCTION

“CÔNG TRÌNH” + “XANH”

- THẨM MỸ CAO
- TRỒNG NHIỀU CÂY XANH



Hình ảnh công trình có nhiều cây xanh, các giải pháp cảnh quan sân vườn, gần gũi với môi trường tự nhiên.

Google search: Công trình Xanh
(Công trình không theo Chứng chỉ Xanh)

“CÔNG TRÌNH XANH”

- BÊN NGOÀI KHÔNG KHÁC BIỆT
- BÊN TRONG ĐỊNH LƯỢNG CỤ THỂ



Hình ảnh công trình ít cây xanh, vẫn đạt các mức độ chứng chỉ xanh cao nhất, đánh giá hiệu quả vận hành tòa nhà.

Google search: Công trình LEED / EDGE...
(Công trình theo Chứng chỉ Xanh)

GREEN BUILDING CERTIFICATION RATING & CRITERIA



Nutrition Facts

Serving Size 1 (44g)

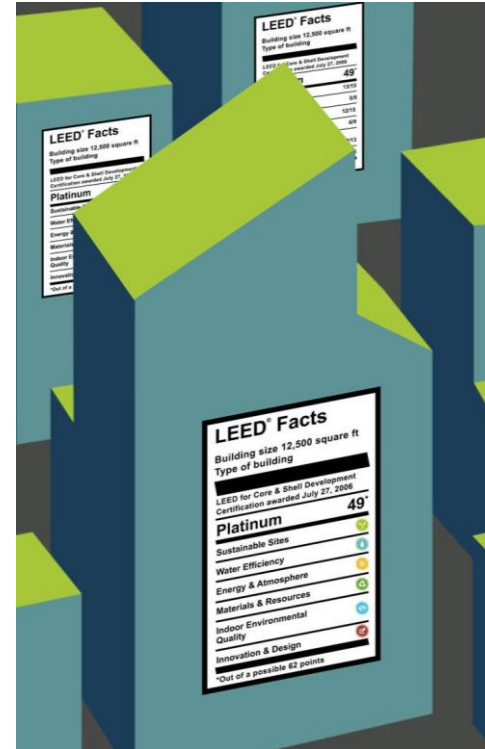
Amount Per Serving

Calories 96

		% Daily Values*
Total Fat 1g		2%
Saturated Fat 0g		0%
Trans Fat 0g		
Cholesterol 0mg		0%
Sodium 1mg		0%
Total Carbohydrate 22g		7%
Dietary Fiber 0g		0%
Sugars 6g		
Protein 1g		2%

*Percent Daily Values are based on a 2,000 calorie diet. Your Daily Values may be higher or lower depending on your calorie needs.

	Calories	2,000	2,500
Total Fat	Less than	65g	80g
Sat Fat	Less than	20g	25g
Cholesterol	Less than	300mg	300mg
Sodium	Less than	2400mg	2400mg
Total Carbohydrate		300g	375g
Dietary Fiber		25g	30g



LEED® Facts

Habitat for Humanity
Grand Rapids, MI

LEED for Homes

Certification awarded March 2011

Gold

68.5*

	Innovation & Design	5 / 11
	Location & Linkages	10 / 10
	Sustainable Sites	8 / 22
	Water Efficiency	4 / 15
	Energy & Atmosphere	23.5 / 38
	Materials & Resources	8 / 16
	Indoor Environmental Quality	9 / 21
	Awareness & Education	1 / 3

*Out of a possible 136 points

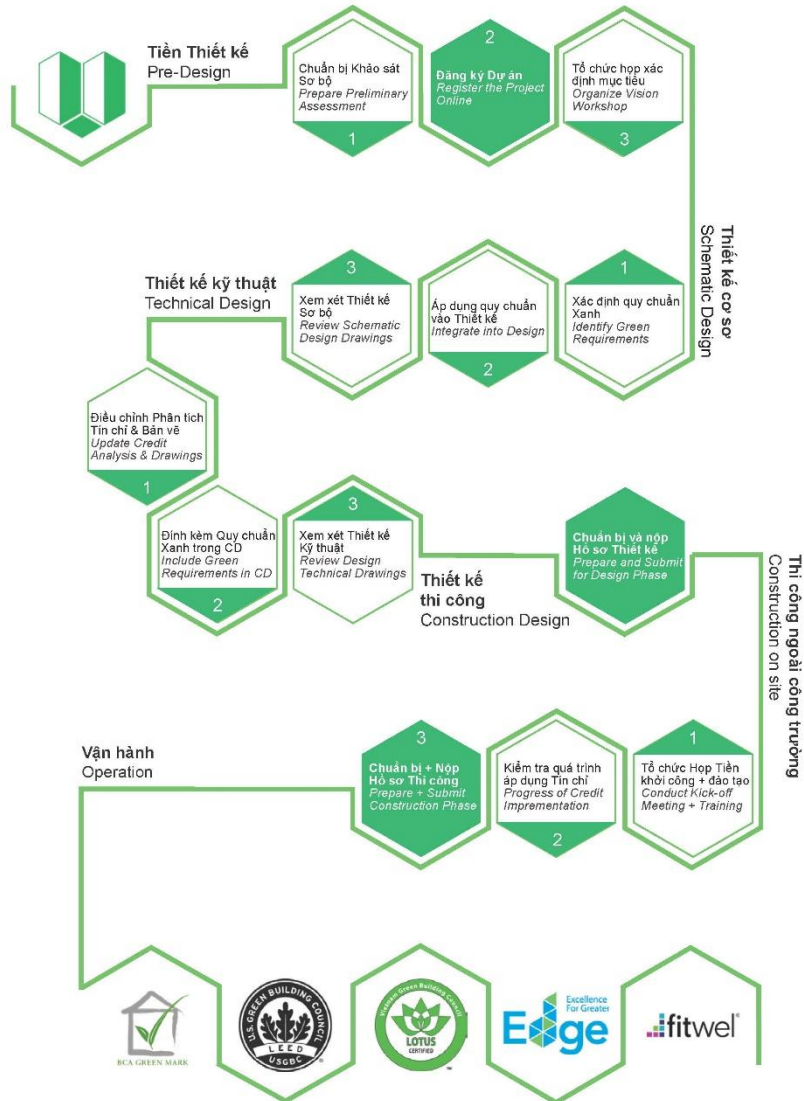
CÔNG TRÌNH XANH LÀ MỘT SẢN PHẨM THƯƠNG MẠI CÓ GIÁ TRỊ RẤT LỚN, CẦN PHẢI MINH BẠCH, RÕ RÀNG VÀ CÓ ĐỊNH LƯỢNG THEO CÁC TIÊU CHUẨN CỤ THỂ



OVERVIEW OF GREEN BUILDING

QUÁ TRÌNH TƯ VẤN CÔNG TRÌNH XANH

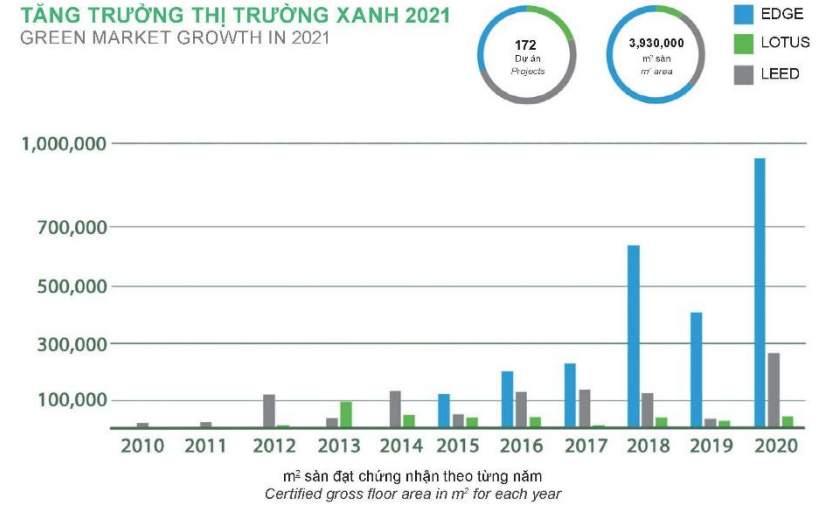
GREEN BUILDINGS CONSULTING PROCESS



5

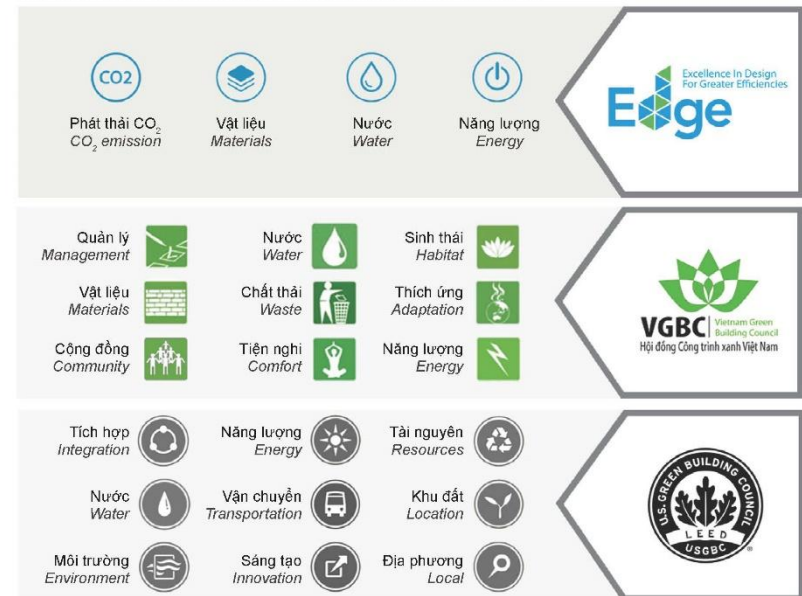
TĂNG TRƯỞNG THỊ TRƯỜNG XANH 2021

GREEN MARKET GROWTH IN 2021



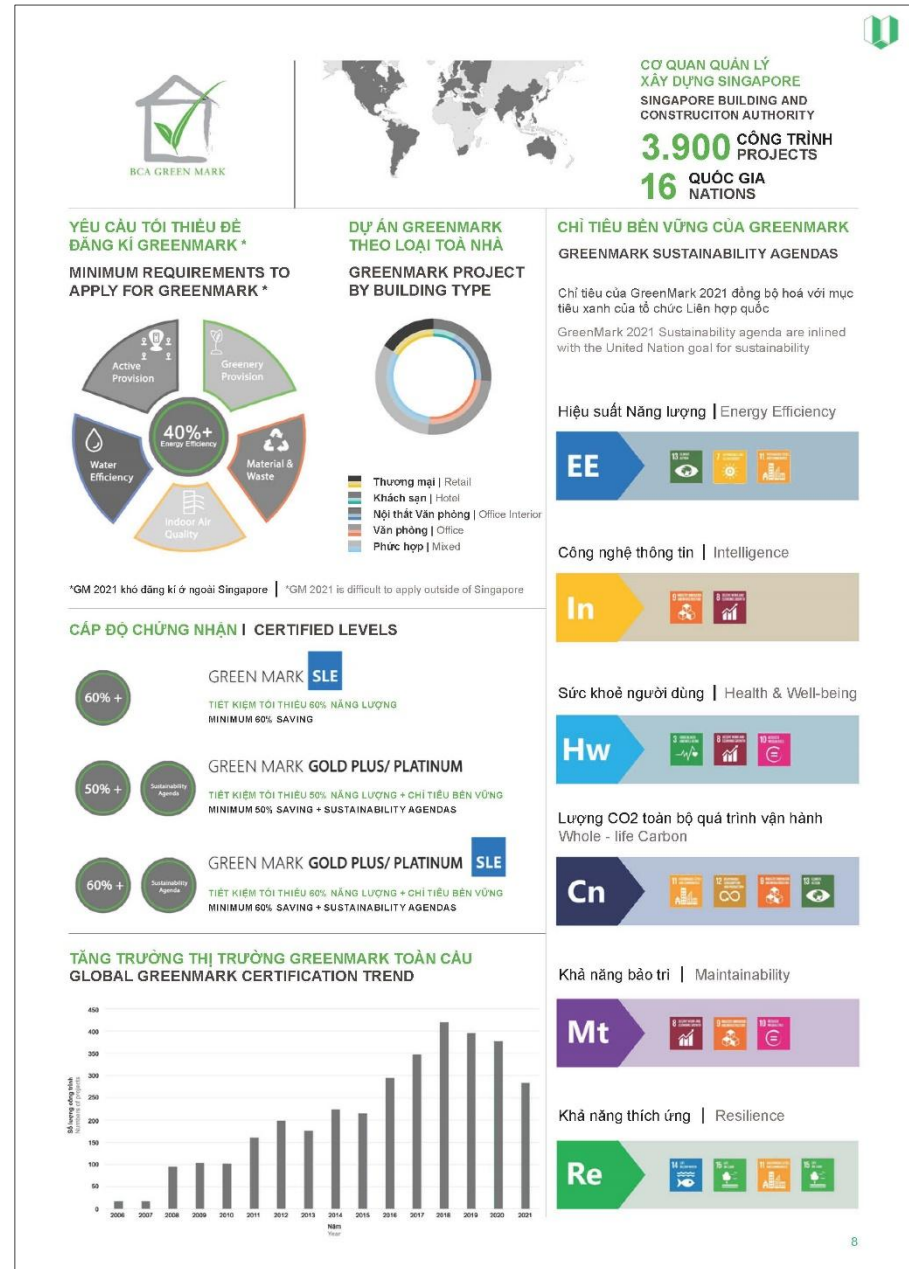
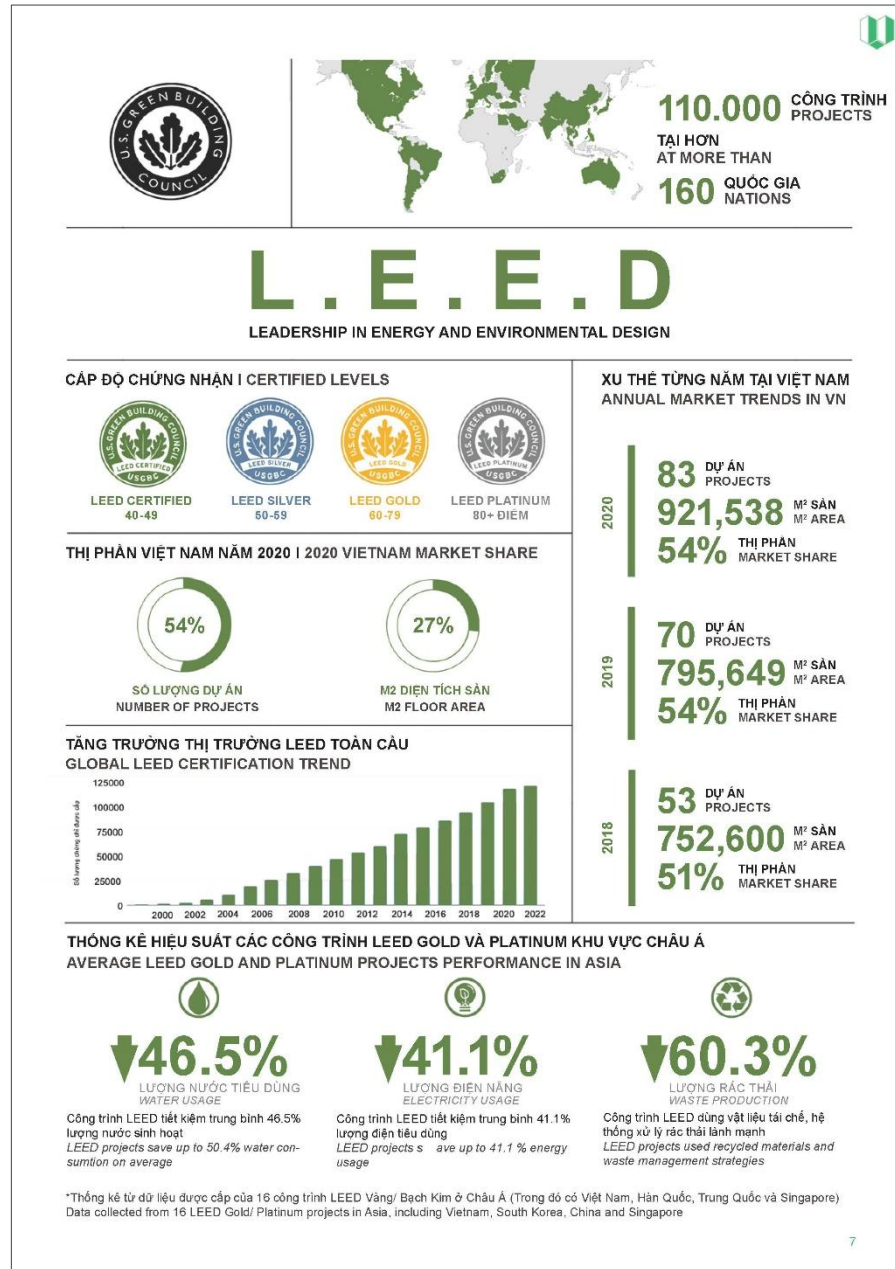
CÁC CHỨNG CHỈ CÔNG TRÌNH XANH PHỔ BIẾN TẠI VIỆT NAM

TYPICAL GREEN BUILDING CERTIFICATIONS IN VIETNAM

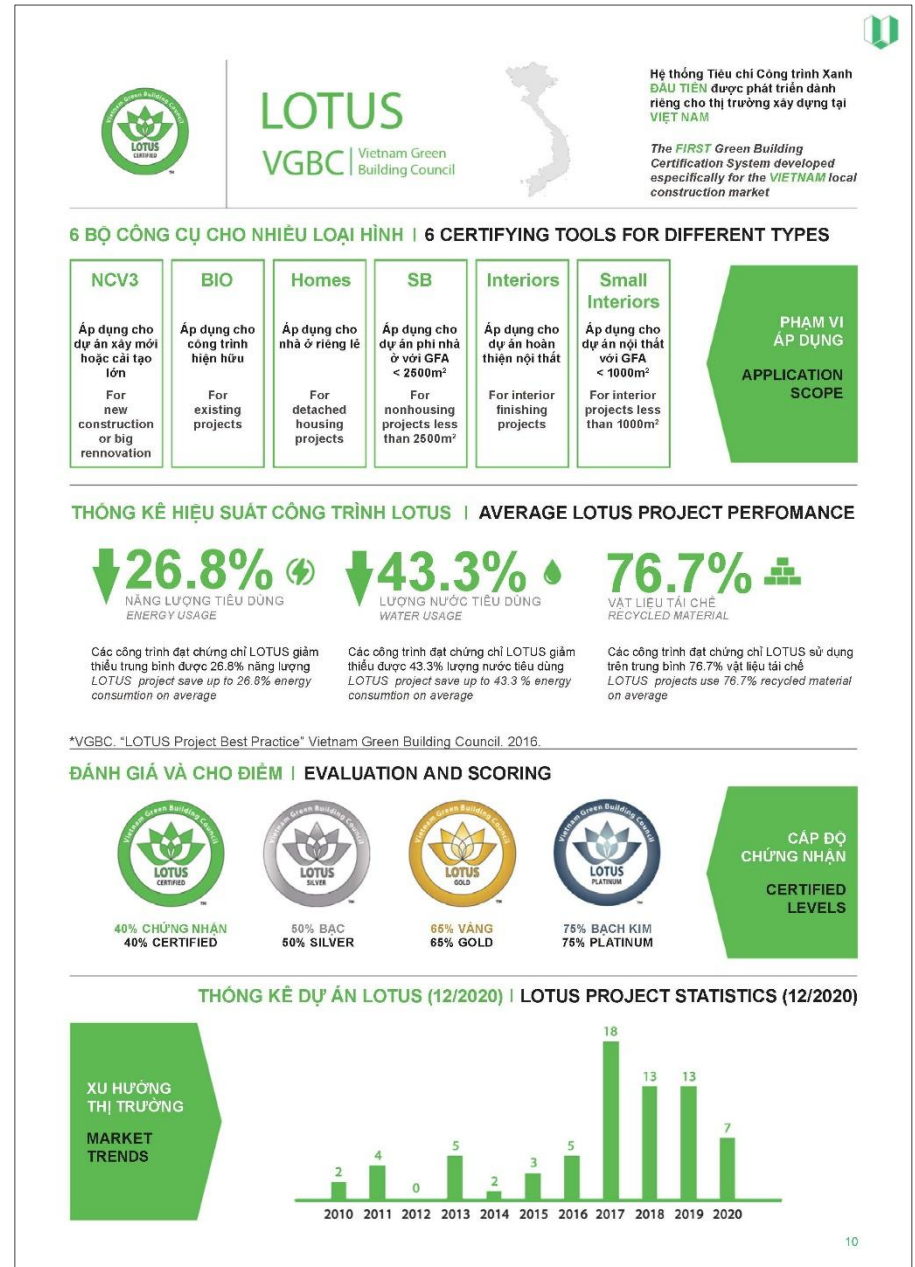
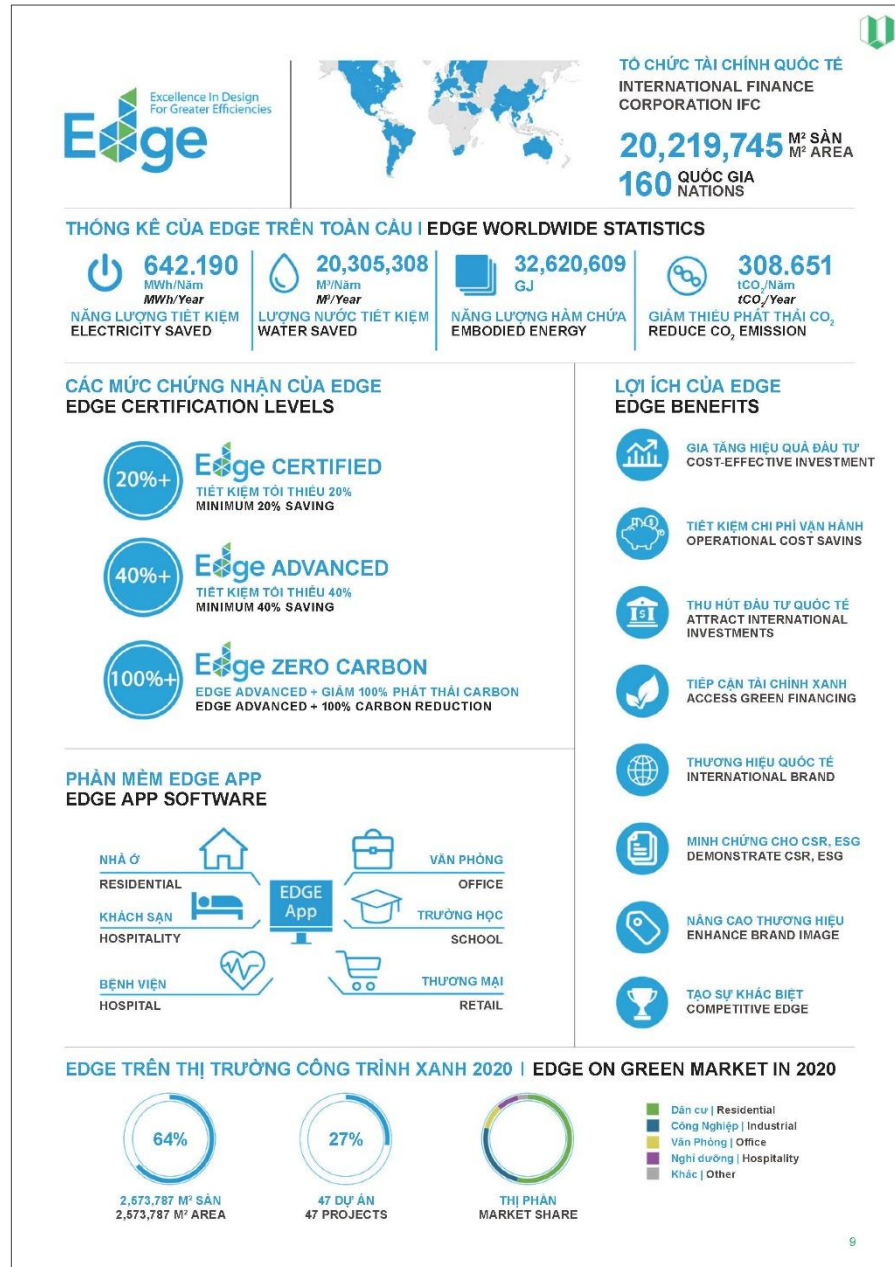


6

OVERVIEW OF GREEN BUILDING



OVERVIEW OF GREEN BUILDING



SUSTAINABLE DEVELOPMENT GOALS (SDGs)



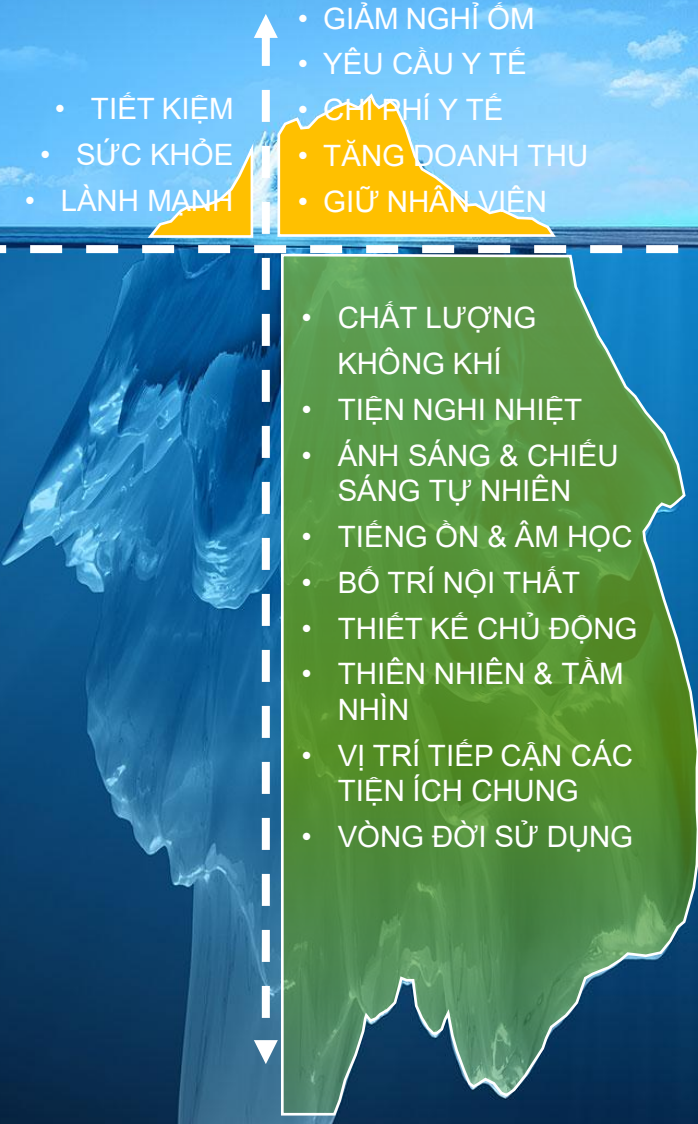
BENEFITS OF GREEN BUILDINGS AND CERTIFICATONS



AWARENESS ABOUT GREEN BUILDINGS



BENEFITS OF GREEN BUILDINGS

- 
- TIẾT KIỆM
 - SỨC KHỎE
 - LÀNH MẠNH
 - GIẢM NGHỈ ỒM
 - YÊU CẦU Y TẾ
 - CHI PHÍ Y TẾ
 - TĂNG DOANH THU
 - GIỮ NHÂN VIÊN

Lợi ích **RẤT LỚN** mang lại cho chủ đầu tư, công ty thông qua việc tăng Sức khỏe, Năng suất lao động và sự Gắn bó của người sử dụng.

- CHẤT LƯỢNG KHÔNG KHÍ
- TIỆN NGHI NHIỆT
- ÁNH SÁNG & CHIỀU SÁNG TỰ NHIÊN
- TIẾNG ỒN & ÂM HỌC
- BỐ TRÍ NỘI THẤT
- THIẾT KẾ CHỦ ĐỘNG
- THIÊN NHIÊN & TÂM NHÌN
- VỊ TRÍ TIẾP CẬN CÁC TIỆN ÍCH CHUNG
- VÒNG ĐỜI SỬ DỤNG

Công việc của các Tư vấn Công trình Xanh phối hợp với Tư vấn thiết kế (Kiến trúc, Kết cấu, Cơ điện, Cảnh quan, Chiếu sáng...), Đơn vị cung cấp vật liệu và Nhà thầu xây dựng.

MARKETING VS PERFORMANCE

Định tính Công trình Xanh

1. Hình ảnh bên ngoài
2. Ước lượng dựa trên cảm tính và quan điểm cá nhân

Công trình Không áp dụng

Chứng chỉ Xanh

1. Sử dụng ngắn hạn, tạm thời
2. Dễ dàng thực hiện, chi phí đầu tư ban đầu thấp

PIN MẶT TRỜI
CẢNH QUAN NƯỚC
CÂY XANH

MÔI TRƯỜNG SINH THÁI
CHẤT LƯỢNG KHÔNG KHÍ
TIỆN NGHI
VẬT LIỆU
NƯỚC
NĂNG LƯỢNG

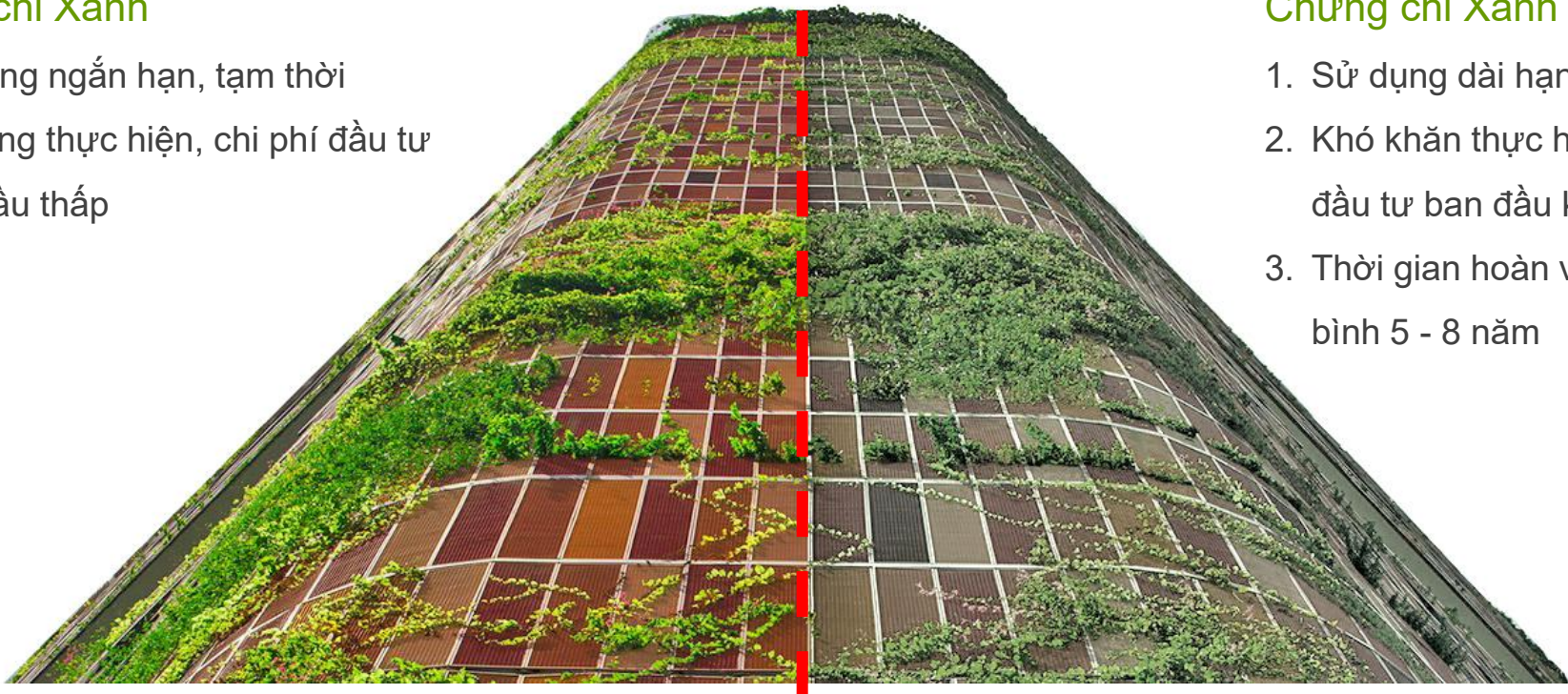
Định lượng Công trình Xanh

1. Vận hành bên trong
2. Định lượng bằng thông số kỹ thuật & tính toán

Công trình áp dụng

Chứng chỉ Xanh

1. Sử dụng dài hạn, vĩnh viễn
2. Khó khăn thực hiện, chi phí đầu tư ban đầu khá cao
3. Thời gian hoàn vốn trung bình 5 - 8 năm



WORLD GREEN BUILDING COUNCIL WGBC

75+

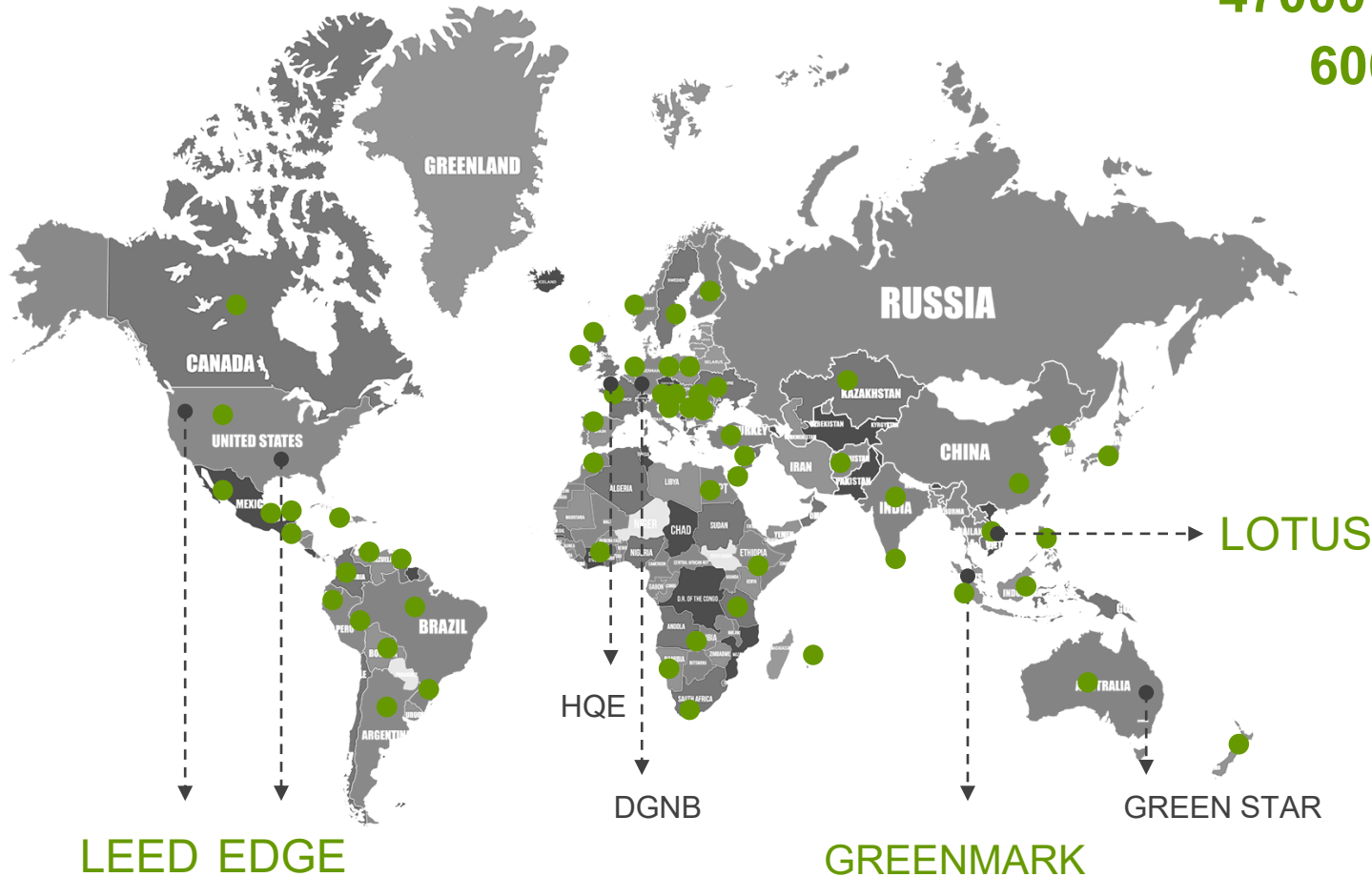
Green Building Councils

47000+

Members

600

Rating Systems



GREEN BUILDING CERTIFICATIONS IN VIETNAM

LEED
US



U.S. Green Building Council
Establishment of LEED: 1993
Rating tools: 5 tools

Total no. of buildings: ~190000 buildings

No. of buildings in Vietnam: 320 buildings

Certification Level: Certified, Silver, Gold, Platinum
Popularity: International with over 186 nations

GREENMARK
SINGAPORE



Building and Construction Authority
Establishment of GREENMARK: 2008
Rating tools: 16 tools

Total no. of buildings: ~5500 buildings

No. of buildings in Vietnam : 23 buildings

Certification level: Certified, Gold, Gold Plus, Platinum
Popularity: South East Asia

LOTUS
VIETNAM



Vietnam Green Building Council
Establishment of LOTUS: 2010
Rating tools: 7 tools

No. of buildings in Vietnam: 80 buildings

Certification level: Certified, Silver, Gold, Platinum
Popularity: Vietnam

EDGE
US



IFC International Financial Corporation
World Bank Group
Establishment of EDGE: 2012
Rating tools: 8 tools

Total no. of buildings: ~8500 buildings

No. of buildings in Vietnam: 411 buildings

Certification level: Certified, Advanced, Zero Carbon
Popularity: International with over 160 nations

OVERVIEW OF GREEN BUILDING CERTIFICATIONS

828 GREEN CERTIFIED PROJECTS 20,790,210 M2 GFA

► 828 tòa nhà đạt chứng nhận
828 green certified buildings

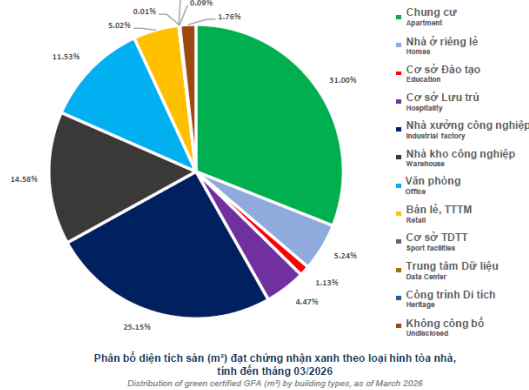
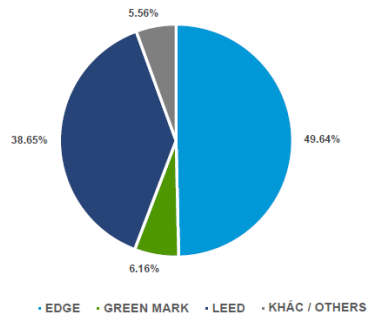
► 20,790,000 m² sàn
đạt chứng nhận
20,790,000 m² GFA certified

HỆ THỐNG CHỨNG NHẬN CÔNG TRÌNH XANH PHỔ BIẾN TẠI THỊ TRƯỜNG VIỆT NAM

POPULAR GREEN BUILDING CERTIFICATION SYSTEMS IN VIET NAM

Tính đến 31/03/2026 / As of March 31, 2026

	EDGE	GREEN MARK	LEED*	KHÁC OTHERS	TỔNG TOTAL
Số lượng tòa nhà đạt chứng nhận xanh Number of green certified buildings	411	51	320	46	828
Số lượng căn hộ đạt chứng nhận xanh Number of green certified apartment units	44,915	9,759	2,378	2,158	59,210
Số lượng nhà ở riêng lẻ đạt chứng nhận xanh Number of green certified landed houses	4,707	231	-	8	4,946
Diện tích sàn GFA đạt chứng nhận xanh (m ²) Green certified GFA (m ²)	9,521,334	1,922,883	8,682,604	663,389	20,790,210



EDGE Green Building Certification (Excellence in Design for Greater Efficiencies)

Number of certified projects: 411

Certified GFA: 9,521,334 m²

Ratio: 49.64% (by projects) or 45.79% (by m²)

LEED Green Building Certification (Leadership for Energy and Environmental Design)

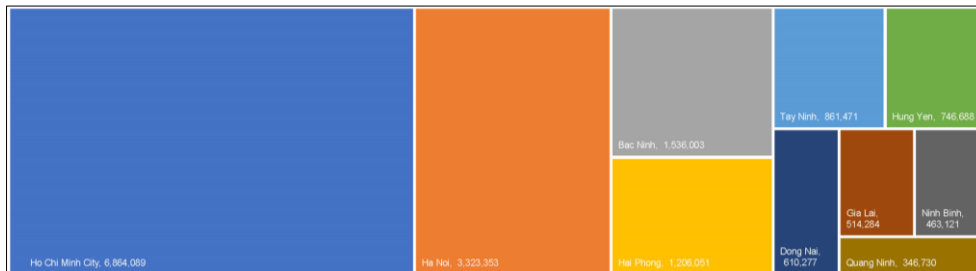
Number of certified projects: 320

Certified GFA: 8,682,604 m²

Ratio: 38.65% (by projects) or 41.76% (by m²)

Ranking Top 10 Cities/Provinces with largest green certified building GFA (m²):

- Ho Chi Minh City: 6,864,089 m²
- Hanoi: 3,323,353 m²
- Bac Ninh: 1,536,003 m²
- Hai Phong: 1,206,051 m²
- Tay Ninh: 861,471 m²
- Hung Yen: 746,688 m²
- Dong Nai: 610,277 m²
- Gia Lai: 514,284 m²
- Ninh Binh: 463,121 m²
- Quang Ninh: 346,730 m²



Source: IFC, World Bank Group, Vietnam Green Building Council, and SGS Vietnam, Q1/2026

GREEN BUILDING CERTIFICATIONS WITH LONG-TERM BENEFITS



**Đạt chứng chỉ xanh:
Mở ra giá trị dài hạn**

Chứng nhận xanh là khởi đầu cho chuỗi cung ứng bền vững. Lợi ích còn tiếp tục gia tăng trong suốt vòng đời của dự án

Build Green. Build with ARDOR Green www.ardorgreen.com

Achieving Green Certification: Unlocking Long-Term Value

Green certification marks the beginning of a sustainable supply chain. Its benefits continue to compound throughout the entire lifecycle of the project.



LỢI ÍCH

Gia tăng giá trị thị trường và thu hút khách thuê cao cấp

Thu hút khách thuê chất lượng
Công trình xanh hấp dẫn các tập đoàn đa quốc gia và doanh nghiệp FDI có định hướng ESG, đảm bảo tỷ lệ lấp đầy bền vững

Tối ưu hoá doanh thu
Chứng nhận xanh chứng minh chất lượng công trình, mức giá thuê cao hơn và giảm thời gian trống mặt bằng, nâng cao khả năng cạnh tranh

Build Green. Build with ARDOR Green www.ardorgreen.com

Benefits: Enhancing Market Value and Attracting Premium Tenants

- **Attracting high-quality tenants:** Green-certified buildings appeal to multinational corporations and ESG-driven FDI enterprises, ensuring stable and sustainable occupancy rates.
- **Revenue optimization:** Green certification substantiates asset quality, supports rental premiums, reduces vacancy periods, and strengthens overall market competitiveness.



TÀI CHÍNH

Tiếp cận nguồn vốn xanh ưu đãi trong tương lai

Chứng chỉ xanh LEED
LEED được Climate Bonds Initiative công nhận là hệ thống đủ điều kiện cho trái phiếu xanh, ngoài ra vị thế trên thị trường giúp thu hút nhà đầu tư nước ngoài, doanh nghiệp FDI có yêu cầu ESG, và các quỹ đầu tư bất động sản quốc tế.

Chứng chỉ xanh LOTUS
LOTUS là hệ thống được căn chỉnh chặt chẽ nhất với tiêu chí ASEAN Taxonomy - ngôn ngữ chung mà toàn bộ thị trường tài chính khu vực đang xây dựng để định nghĩa "công trình xanh."

Chứng chỉ xanh EDGE
EDGE là tiêu chuẩn đủ điều kiện theo Climate Bonds Initiative, và nhiều tổ chức tài chính phát triển quốc tế khác đang áp dụng EDGE làm tiêu chí điều kiện cho danh mục đầu tư.

Build Green. Build with ARDOR Green www.ardorgreen.com

Finance: Accessing Preferential Green Capital in the Future

- **LEED green certification:** Climate Bonds Initiative recognizes LEED as an eligible standard for green bonds.
- **LOTUS green certification:** LOTUS is the system most closely aligned with the ASEAN Taxonomy criteria
- **EDGE green certification:** EDGE is also recognized by Climate Bonds Initiative as eligible under green bond standards.

GREEN BUILDING CERTIFICATIONS WITH LONG-TERM BENEFITS

HIỆU SUẤT

Giảm chi phí vận hành hàng năm



Chứng nhận LEED/LOTUS/EDGE đảm bảo công trình tiêu thụ ít năng lượng và nước, đồng thời giảm thiểu carbon hàm chứa trong vật liệu, trực tiếp giảm hoá đơn điện nước từ năm đầu tiên.

Build Green. Build with ARDOR Green www.ardorgreen.com

Performance: Reducing Annual Operating Costs

LEED / LOTUS / EDGE certifications ensure lower energy and water consumption, while minimizing embodied carbon in construction materials. These efficiencies translate directly into reduced utility expenses from the very first year of operation.

BÁO CÁO

Đơn giản hoá báo cáo ESG và tăng cường giá trị minh bạch của công ty



Rút ngắn thời gian
Tổ chức quy trình để đạt hiệu quả nhanh hơn

Lợi thế cạnh tranh dài hạn
Tạo sự khác biệt và dẫn đầu trên thị trường

Dữ liệu xác minh
Đảm bảo tính chính xác và đáng tin cậy của thông tin

LEED/LOTUS/EDGE cung cấp dữ liệu môi trường đã được xác minh bởi các bên độc lập, hỗ trợ chủ đầu tư, doanh nghiệp niêm yết và khách thuê trong việc chuẩn bị báo cáo ESG hàng năm. Công trình được chứng nhận sẽ có lợi thế vượt trội trong quá trình Việt Nam áp dụng các yêu cầu công bố ESG nghiêm ngặt hơn.

Build Green. Build with ARDOR Green www.ardorgreen.com

Reporting: Simplifying ESG Disclosure and Strengthening Corporate Transparency

- LEED / LOTUS / EDGE certifications provide independently verified environmental data, supporting developers, listed companies, and tenants in preparing their annual ESG reports.
- Certified buildings gain a distinct competitive advantage as Vietnam moves toward more stringent ESG disclosure requirements and regulatory alignment with international standards.

Xây dựng thương hiệu chiến lược uy tín

Mỗi dự án LEED/LOTUS/EDGE góp phần vào “green portfolio”, là lợi thế cạnh tranh khi gọi vốn, tìm đối tác, và tham gia các dự án lớn. Uy tín về phát triển bền vững trở thành tài sản chiến lược trong bối cảnh thị trường ngày càng phân hoá và chuyên nghiệp.

Build Green. Build with ARDOR Green www.ardorgreen.com

Building a Credible Strategic Brand

- Each LEED / LOTUS / EDGE project contributes to a growing “green portfolio,” creating a distinct competitive advantage in capital raising, partnership development, and participation in large-scale developments.
- Sustainability credentials increasingly function as a strategic asset, particularly as the market becomes more segmented, compliance-driven, and professionally benchmarked.

EDGE PROJECTS ARE AROUND THE WORLD

EDGE: A RECORD OF EXPONENTIAL GROWTH AND GLOBAL IMPACT

89

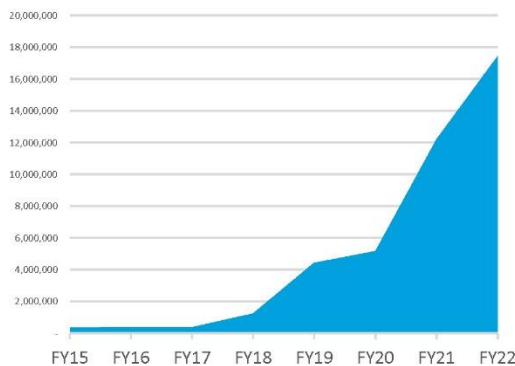
Countries
have projects
certified

\$63b+

Green
investment*

1.3m+

tCO₂/year
saved

Annual floor space certified with EDGE (m²)

*EDGE Advisory project impact to date, as of Feb 2023.

EDGE (EXCELLENCE IN DESIGN FOR GREATER EFFICIENCIES) AND BRI (BUILDING RESILIENCE INDEX)

9

TOOLS TO SCALE UP GREEN BUILDINGS AND RESILIENCE

EDGE: Excellence in Design for Greater Efficiencies



EDGE App. The EDGE design software is free to use and instantaneously calculates the most cost-effective investments to make. The certification process costs a fraction of the time and fees of traditional options.

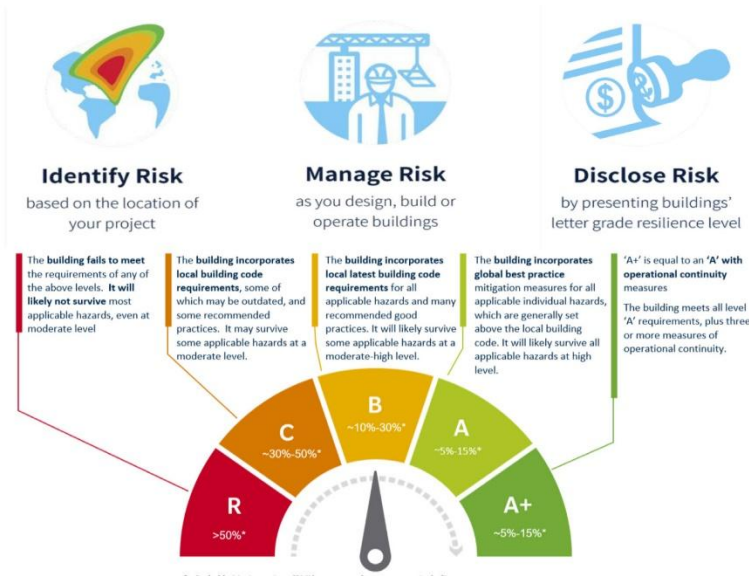


Achievable Standards. A simple green building standard based on quantified energy, water and materials savings; EDGE provides streamlined impact reporting.

Third-party Verified Lable. EDGE makes it fast and easy to verify the resource efficiency of a project. The certification is administered by the largest network of green building certification providers in the world and is internationally recognized for green finance.

A multi-pronged approach to incentivize market adoption of green buildings. It incorporates EDGE certification system to define and validate green construction and retrofits for new and existing buildings.

Building Resilience Index

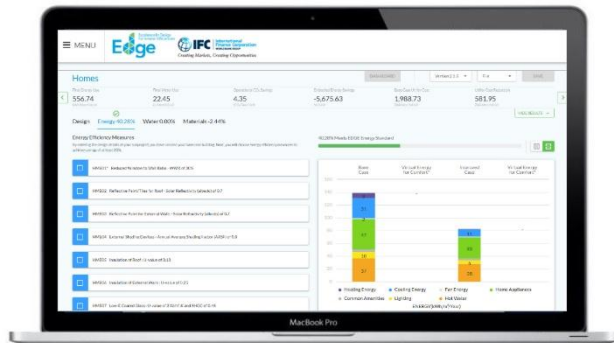


The BRI pilot program facilitates identification, management and disclosure of disaster risks at building level in order to ensure risk information is accessible for all market stakeholders. Using BRI new or existing buildings can set up and invest in improvement plans.

THREE LEVELS OF EDGE CERTIFICATION

EDGE makes it easy to design and certify resource-efficient and Zero Carbon buildings.

IFC created EDGE to respond to the need for an affordable, measurable and credible solution to prove the business case for building green and to help channel investment.



Affordable. The EDGE design software is free to use and instantaneously calculates the most cost-effective investments to make. The certification process costs a fraction of the time and fees of traditional options.



Measurable. A simple green building standard based on quantified energy, water and materials savings; EDGE provides streamlined impact reporting.



Internationally recognized for green finance. EDGE makes it fast and easy to verify the resource efficiency of a project.

Edge

THERE ARE THREE LEVELS OF EDGE CERTIFICATION



Level 1 - EDGE Certified

20% or more savings in energy, water, and embodied energy in materials.



Level 2 - EDGE Advanced

EDGE certified with 40% or more on-site energy savings.



Level 3 - Zero Carbon

EDGE Advanced with 100% renewables or purchased carbon offsets.

Edge

IFC International Finance Corporation
Creating Markets, Creating Opportunities

- **Affordable:** The EDGE design software is free to use and instantaneously calculates the most cost-effective investments to make. The certification process costs a fraction of the time and fees of traditional options.
- **Measurable:** A simple green building standard based on quantified energy, water and materials savings; EDGE provides streamlined impact reporting.
- **Internationally recognized for green finance:** EDGE makes it fast and easy to verify the resource efficiency of a project.

Level 1 - EDGE Certified: 20% or more savings in energy, water, and embodied energy in materials.

Level 2 - EDGE Advanced: EDGE certified with 40% or more on-site energy savings.

Level 3 - Zero Carbon: EDGE Advanced with 100% renewables or purchased carbon offsets.

TRACK RECORD OF EDGE PROJECTS

TRACK RECORD

Layan Green Park

Location: Thailand
Building Type: Residential



Predicted Savings of EDGE Certification



EDGE ADVANCE

Layan Green Park

Layan Green Park is a Condotel in Phuket, Thailand, consisting of 4 buildings with 403 high-end apartments and a vast variety of sport and leisure facilities. The project is located 700 meters from Layan Beach, the northern part of Bang Tao Beach, next to the well-known Laguna area.

The project is being developed by Layan Green Park Co., Ltd., a company committed to sustainable development.

Layan Green Park has received a Preliminary EDGE Advanced certificate for all the buildings from Sintali-SGS with the consultancy support of Ardor Green team, Vietnam.



Layan Green Park

- Layan Green Park is a Condotel in Phuket, Thailand, consisting of 4 buildings with 403 high-end apartments and a vast variety of sport and leisure facilities. The project is located 700 meters from Layan Beach, the northern part of Bang Tao Beach, next to the well-known Laguna area.
- The project is being developed by Layan Green Park Co., Ltd., a company committed to sustainable development.
- Layan Green Park has received a Preliminary EDGE Advanced certificate for all the buildings from Sintali-SGS with the consultancy of ARDOR Green team, Vietnam.

TRACK RECORD

La Vista Villas

Location: Thailand
Building Type: Hospitality



Predicted Savings of EDGE Certification



EDGE ADVANCE

La Vista Villas

La Vista Villas is a real estate project of luxury villas with a sea view, located on the island of Phuket on the top of a mountain in Chalong district, Thailand. The project is comprised of 11 villas of 3 types: two-story, three-story and four-story, ranging from 416 square meters to 1,139 square meters in floor space. In just a 10 minute drive from the villas there are 4 gorgeous beaches, several international schools as well as all other necessary infrastructure.

La Vista Villas has received a Preliminary EDGE Advanced Certificate from Sintali-SGS with the consultancy support of Ardor Green team, Vietnam.

The project reduced energy consumption through measures such as insulation of roofs, ceiling fans in habitable areas, high COP air-conditioning systems, and energy-saving lightbulbs, while also achieving a reduction in water consumption and embodied energy with low-flow water fixture and AAC blocks.



La Vista Villas

- La Vista Villas Phuket is a real estate project of luxury villas with a sea view, located on the island of Phuket on the top of a mountain in Chalong district, Thailand. The project is comprised of 11 villas of 3 types: two-story, three-story and four-story, ranging from 416 m2 to 1,139 m2 in floor space. In just a 10 minute drive from the villas, there are 4 gorgeous beaches, several international schools as well as all other necessary infrastructure.
- The project reduced energy consumption through measures such as insulation of roofs, ceiling fans in habitable areas, high COP air-conditioning systems, and energy-saving lightbulbs, while also achieving a reduction in water consumption and embodied energy with low-flow water fixture and AAC blocks.
- La Vista Villas has received a Preliminary EDGE Advanced Certificate from Sintali-SGS with the consultancy support of ARDOR Green team, Vietnam.

Green Building Standards to access International Green Finance

Finance Standards



Further resource: [*Green Buildings – A Financial and Policy Blueprint for Emerging Markets*](#)

Reporting Standards



CERTIFIED GREEN

Verified by a third party, using internationally recognized certification standards



BETTER PERFORMANCE COMPARED TO BASELINE

Quantifiable approach to building design and operations



IMPACT REPORTING

Able to report energy, water, and GHG impacts





Vì một hành tinh xanh, vì một không gian sinh tồn bền vững và hạnh phúc cho tất cả các thế hệ mai sau

“Về phần mình, mặc dù là nước đang phát triển mới chỉ bắt đầu tiến trình công nghiệp hóa trong hơn ba thập kỷ qua, Việt Nam là một nước có lợi thế về năng lượng tái tạo, sẽ xây dựng và triển khai các biện pháp giảm phát thải khí nhà kính mạnh mẽ bằng nguồn lực của mình, cùng với sự hợp tác và hỗ trợ của cộng đồng quốc tế, nhất là các nước phát triển, cả về tài chính và chuyển giao công nghệ, trong đó có thực hiện các cơ chế theo Thỏa thuận Pa-ri, để đạt mức phát thải ròng bằng “0” vào năm 2050.”

Phát biểu của Thủ tướng Phạm Minh Chính tại Hội nghị Thượng đỉnh về Biến đổi Khí hậu, COP26 Climate Change Conference, Glasgow, Scotland, 01/11/2021

Source: <https://baochinhphu.vn/Cac-bai-phat-bieu-cua-Thu-tuong/Vi-mot-hanh-tinh-xanh-vi-mot-khong-gian-sinh-ton-ben-vung-va-hanh-phuc-cho-tat-ca-cac-the-he-mai-sau/451647.vgp>



Biểu tình ở Glasgow, Scotland, 29/10/2021



Biểu tình ở Madrid, Tây Ban Nha, phản đối tăng giá điện, 09/2021

COP 28, NEAR-ZERO EMISSION AND RESILIENT BUILDINGS BY 2030

The Buildings Breakthrough: Global push for near-zero emission and resilient buildings by 2030 unveiled at COP28

Dubai, U.A.E | December 6, 2023

Source: <https://pressroom.ifc.org/all/pages/PressDetail.aspx?ID=27864>



2023 United Nations Climate Change Conference
COP28 UAE, 30/11 - 12/12/2023

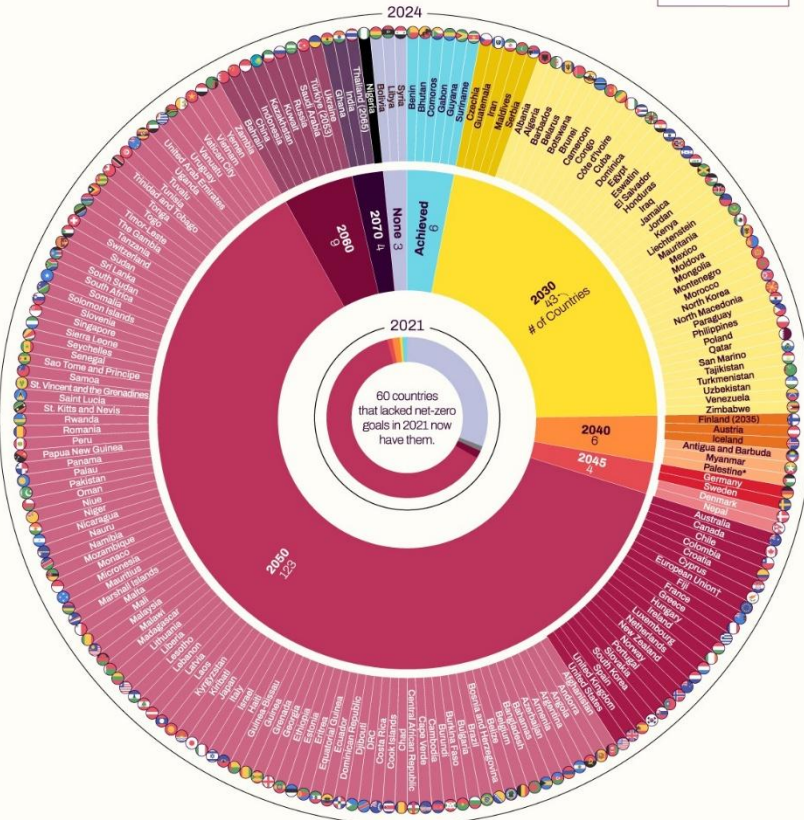
RACE TO NET ZERO, 04/2024

RACE TO NET ZERO

Emission Reduction Goals by Country in 2024

Below we break down current emission reduction goals by target year and level of commitment, and compare them with 2021 goals.

Decarbonization Channel



*Disputed territory †Supranational union Data as of April 16, 2024 Source: Net Zero Tracker

Decarbonization Channel Powered by NPUC In partnership with motivepower VISUAL CAPITALIST

Since 2021, another 40 countries have established climate goals for 2030. However, the path to net zero remains uneven.

With average national warming already 1.81°C above pre-industrial levels, the international pressure for countries to cut emissions faster and deeper is mounting.

Current emission reduction goals by target year and level of commitment:

- Achieved Net Zero: 6 countries (i.e. Bhutan)
- Net Zero 2030: 43 countries (i.e. Cuba, Egypt, North Korea, Philippines)
- Net Zero 2035: 1 country (Finland)
- Net Zero 2040: 5 countries (i.e. Austria, Iceland, Myanmar)
- Net Zero 2045: 4 countries (i.e. Germany, Sweden, Denmark, Nepal)
- Net Zero 2050: 123 countries (i.e. Vietnam, Cambodia, Laos, Malaysia, Singapore)
- Net Zero 2060: 9 countries (i.e. China, Indonesia, Russia)
- Net Zero 2070: 4 countries (i.e. Thailand, India)
- None: 3 countries (i.e. Syria, Libya, Bolivia)

Source: <https://www.motive-power.com/visualized-emission-reduction-targets-by-country-in-2024/>



CÓ NHỮNG CÔNG TRÌNH ĐẮT MÀ KHÔNG XANH

there are expensive buildings which are not green

VÀ CŨNG CÓ CÔNG TRÌNH XANH MÀ KHÔNG ĐẮT

There are green buildings which are not expensive

SỰ KHÁC BIỆT NẪM Ở CÁCH TIẾP CẬN, VÀ TẬN DỤNG TỐI ĐA CÁC LỢI ÍCH MANG LẠI

The difference is how we approach and how to draw maximal benefits from green buildings

Source: IFC, International Finance Corporation, World Bank Group

THANK YOU

BUILD GREEN. BUILD WITH ARDOR GREEN



ARDOR GREEN

- VIETNAM GREEN BUILDING COUNCIL BOARD DIRECTORS
- HCMC GREEN ARCHITECTURE CLUB BOARD MEMBERS
- SINTALI-SGS EDGE EXPERT

Office:

- Ho Chi Minh City: 216/1/1 Nguyen Van Huong, An Khanh Ward
- Hanoi: Level 14, Hapro Building, 11B Cat Linh, O Cho Dua Ward

Contact:

- Vu Linh Quang, Managing Director, vuquang@ardorgreen.com
- Trinh Quang Loc, Technical Deputy Director, quangloc@ardorgreen.com
- Le Phuong Thao, Office Manager, phuongthao@ardorgreen.com

WWW.ARDORGREEN.COM