

THIS CERTIFIES THAT

**Eco Residence - Social Housing at Long Binh Tan Ward, Bien Hoa City - Retail**

HAS ACHIEVED AN

**EDGE PRELIMINARY CERTIFICATE**

CERTIFICATE NUMBER

**LP1-VNM-24061210200466-P**



Exemplifying achievement in the  
following areas:

**31%**

**Energy Savings**

**41%**

**Water Savings**

**30%**

**Less Embodied  
Carbon in Materials**

1,011.60 tCO<sub>2</sub>/year  
Operational CO<sub>2</sub> Emissions

- tCO<sub>2</sub>/year  
Operational CO<sub>2</sub> Savings

DEVELOPED BY

**CHUONG DUONG HOMELAND JOINT STOCK COMPANY**

CERTIFIED BY

**SGS**

A handwritten signature in blue ink, appearing to read "TK", is positioned above the name of the project manager.

Mr. Nguyen Kim Tri, OGC, I&E Business Manager

DATE OF ISSUE: 05-NOV-2024

**SGS**



**WORLD BANK GROUP**

THE WORLD BANK  
IBRD • IDA

**IFC**

International  
Finance Corporation





#### THIS CERTIFIES THAT

Eco Residence - Social Housing at Long Binh Tan  
Ward, Bien Hoa City - Retail  
C5, Quang Vinh Residential Area, KP3,  
Quang Vinh Ward,  
Bien Hoa City, Dong Nai Province  
Vietnam

#### DEVELOPED BY

CHUONG DUONG HOMELAND JOINT STOCK  
COMPANY

#### HAS ACHIEVED AN

EDGE PRELIMINARY CERTIFICATE

#### CERTIFICATE NUMBER

LP1-VNM-24061210200466-P

#### WAS AUDITED BY

TIN PHAM TRUNG

EDGE Software Version: v3.0.0

#### CERTIFIED BY

SGS

Mr. Nguyen Kim Tri, OGC, I&E Business Manager



#### DATE OF ISSUE

05-NOV-2024

#### DATE OF EXPIRY

04-NOV-2027

#### ENERGY MEASURES

Reduced Window-to-Wall Ratio  
Insulated Roof  
Insulated Exterior Walls  
High-performance Glass  
Efficient Interior Lighting  
Efficient Exterior Lighting

#### WATER MEASURES

Water-efficient Faucets in Bathrooms  
Efficient Water Closets  
Water-efficient Urinals

#### MATERIALS

Material-efficient Floor Slabs - Concrete Slab | In-situ Reinforced Conventional Slab  
Material-efficient Roof Slab - Concrete Slab | In-situ Reinforced Conventional Slab  
Material-efficient Exterior Walls - Concrete Blocks | Hollow Blocks of Medium-Weight  
Material-efficient Interior Walls - Concrete Blocks | Hollow Blocks of Medium-weight  
Material-efficient Interior Walls - Brick Wall | Cored Brick (25-40% voids) with External and Internal Plaster  
Material-efficient Floor Insulation - X - No Insulation

[www.edgebuildings.com](http://www.edgebuildings.com)

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The EDGE standard requires 20% efficiencies in energy, water and materials compared to a local benchmark. Predicted efficiencies are not a guarantee of future operational performance. Energy savings may be associated with virtual energy for comfort depending on the presence of heating and cooling systems. Virtual energy does not contribute savings to utility bills.

This certificate is issued by the Certifier based on information provided by the client and the audit by the Auditor, and is subject to the terms and conditions of the Certifier. Contact [edge@ifc.org](mailto:edge@ifc.org) if the above measures are not consistent with your observation on the project.



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THIS CERTIFIES THAT

**Eco Residence - Social Housing at Long Binh Tan Ward, Bien Hoa City - Apartment 1098 Unit(s)**

HAS ACHIEVED AN

**EDGE PRELIMINARY CERTIFICATE**

CERTIFICATE NUMBER

**LP1-VNM-24061310200479-1098-P**



Exemplifying achievement in the following areas:

**31%**

**Energy Savings**

**37%**

**Water Savings**

**42%**

**Less Embodied Carbon in Materials**

3,953.40 tCO<sub>2</sub>/year  
Operational CO<sub>2</sub> Emissions

- tCO<sub>2</sub>/year  
Operational CO<sub>2</sub> Savings

DEVELOPED BY

**CHUONG DUONG HOMELAND JOINT STOCK COMPANY**

CERTIFIED BY

**SGS**

A handwritten signature in blue ink, appearing to be "TK", is written over a horizontal line.

Mr. Nguyen Kim Tri, OGC, I&E Business Manager

DATE OF ISSUE: 05-NOV-2024

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#### THIS CERTIFIES THAT

Eco Residence - Social Housing at Long Binh Tan  
Ward, Bien Hoa City - Apartment  
C5, Quang Vinh Residential Area, KP3,  
Quang Vinh Ward,  
Bien Hoa City, Dong Nai Province  
Vietnam

#### DEVELOPED BY

CHUONG DUONG HOMELAND JOINT STOCK  
COMPANY

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#### WAS AUDITED BY

TIN PHAM TRUNG

EDGE Software Version: v3.0.0

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#### ENERGY MEASURES

Reduced Window-to-Wall Ratio  
Insulated Exterior Walls  
High-performance Glass  
Efficient Interior Lighting  
Efficient Exterior Lighting

#### WATER MEASURES

Water-efficient Showerheads  
Water-efficient Faucets in Bathrooms  
Efficient Water Closets  
Water-efficient Faucets in Kitchen

#### MATERIALS

Material-efficient Floor Slabs - Concrete Slab | In-situ Reinforced Conventional Slab  
Material-efficient Roof Slab - Concrete Slab | In-situ Reinforced Conventional Slab  
Material-efficient Exterior Walls - Concrete Blocks | Hollow Blocks of Medium-Weight  
Material-efficient Interior Walls - Brick Wall | Cored Brick (25-40% voids) with External and Internal Plaster  
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Material-efficient Floor Insulation - X - No Insulation

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