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# I. Overview



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# II. Introduction

## “THE REAL VALUE FOR LIFE”



BMAN - robot was 'born' from high quality industrial electrical products of BTB Electric. Through BMAN, Mr. Burak Berk, founder of BTB Electric - implicitly sent out the signal "**BTB Electric is always with you to bring a safe and peaceful life**".

BMAN is a subtle combination of **the brand name** (the letter B in BTB Electric) and **the human element** (the word MAN - strong and full of energy and enthusiasm), it is eager to conquer the market, create real values and always accompany the customers that BTB Electric aims to.

# III. Core Values



# IV. History & Development

**BTB Electric** was established in 1980, headquarters in Istanbul, Turkiye. With nearly **50 years of experience** in **manufacturing electrical equipment** and **providing quality electrical solutions**, our products are present in many countries around the world.



- 2000
- Continue to grow and expand into the European market
  - Actively launch new product lines and solutions, creating a diverse product collection



- 2018
- Establish an office in Vietnam
  - Establish an office in South Africa
  - Continue to grow and develop in the Asian market

- 1980
- Establish from a primitive factory in Istanbul, Turkiye

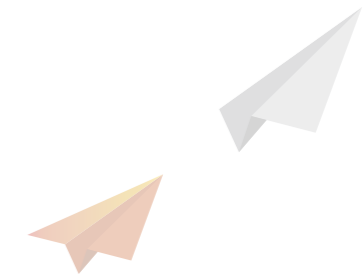


- 2011
- Quickly expand into neighboring regions
  - Research and launch a diverse product range
  - Establish an office in the USA

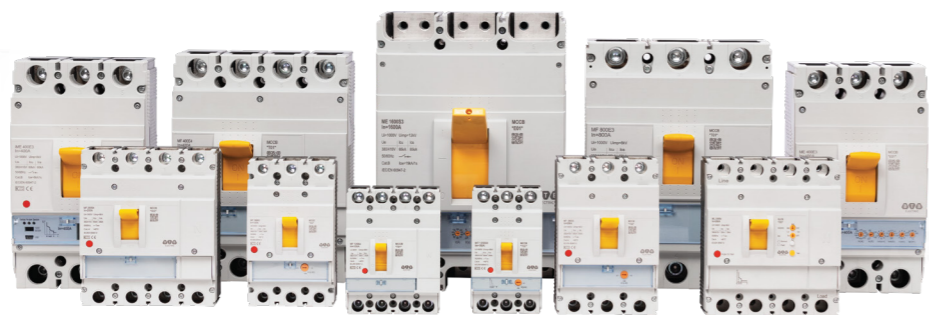


# V. Product Lineup

BTB Electric manufactures low-voltage electrical equipment, including circuit breakers, control devices, and power quality devices.



## ACB / MCCB



**Model** : MF (Fixed type)  
**In (A)** : 16 ~ 1600A  
**Un (V)** : 690V  
**Icu (kA)** : 25/36/50/85/100kA  
**Standard** : IEC60947-2  
**Laboratory** : DEKRA



**Model** : MT (Thermal adjustable type)  
**In (A)** : 16 ~ 1600A  
**Adjustable** : 0.7 - 0.85 - 1.0In  
**Un (V)** : 690V  
**Icu (kA)** : 18/25/36/50/60/75kA  
**Standard** : IEC60947-2  
**Laboratory** : DEKRA



**Model** : ML (ELCB type)  
**In (A)** : 100 ~ 800A  
**Un (V)** : 440V  
**Icu (kA)** : 22/35/50/65kA  
**Standard** : IEC60947-2



**Model** : ME (Electronic type)  
**In (A)** : 125 ~ 1600A  
**Adjustable** : 0.4 ~ 1.0In  
**Un (V)** : 690V  
**Icu (kA)** : 25/36/50/60/66/75kA  
**Standard** : IEC60947-2  
**Laboratory** : DEKRA



**Model** : MA3  
**In (A)** : 630 ~ 6300A  
**Adjustable** : 0.4 ~ 1.0In  
**Frame** : 2000/3200/4000/6300  
**Un (V)** : 415/690V  
**Icu (kA)** : 65/80/85/100/135kA  
**Standard** : IEC60947-2  
**Laboratory** : DEKRA

## MCB



**Model** : MA63, MA125 MR63, MR100 MD63  
 MO32, MO63 MS50, MO50  
**Un (V)** : AC240/415  
**In (A)** : 6/10/16/20/25/32/40/50/63/80/100/125  
**Curve** : B/C/D  
**Icu (kA)** : 6/10/15  
**Standard** : IEC/EN 60898-1 & IEC/EN 60947-2  
**Laboratory** : DEKRA & INTERTEK & LCIE & TUV



MCB code MA

RCCB code MR

RCBO code MO

AFDD code MD

Safety breaker code MS

## POWER FACTOR RELAY

**Model** : PFR96V7, PFR60V7, PFR120V7, PFR-Z32  
 PFR96Bs, PFR96b, PFR60b, PFR80b, PFR120b  
**Power system** : 240/415V and 0.05 ~ 5.5A  
**Cosφ setting** : 0.8 (L) ~ 0.8 (C)  
**Numbers of outputs** : 6/8/12/32(Z)  
**Standard** : IEC/EN 61000-6-2  
**Laboratory** : Quatest1



Power Factor Relay  
PFR-96Bs



Power Factor Relay  
PFR120V7



Power Factor Relay- Z  
PFR-Z32

# V. Product Lineup

## AC CONTACTOR / THERMAL OVERLOAD RELAY

**Model** : MC3 - AC Contactor  
 MT3 - Thermal Overload Relay

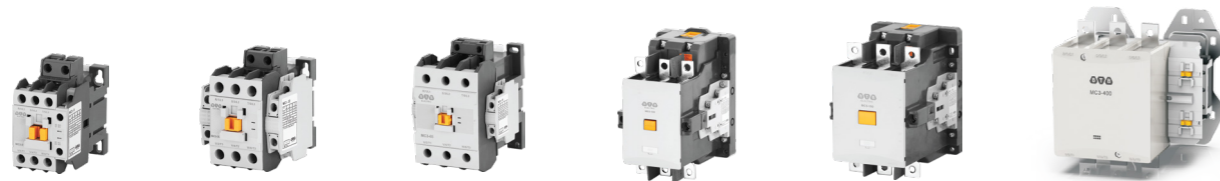
**Un (V)** : AC240/440/690

**In (A)** : 9~800 Contactor and 1~630 Thermal Overload Relay

**Coil (V)** : AC24/48/100/110/220/240/380/415

**Standard** : IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508

**Laboratory** : Intertek



AC Contactor code MC3



Thermal Overload Relay code MT3

## CAPACITOR SWITCHING CONTACTOR

**Model** : MC3-xxC  
 BCS

**Power range** : 5kVA ~ 100kVA

**Rated voltage** : 250/440V

**Standard** : IEC60947-4-1

**Laboratory** : Intertek



Contactor code MC3

Contactor code BCS

## ATS

**Model** : NN, NY, HY type  
 TN, PC, TY type

**Un (V)** : AC500 / DC125

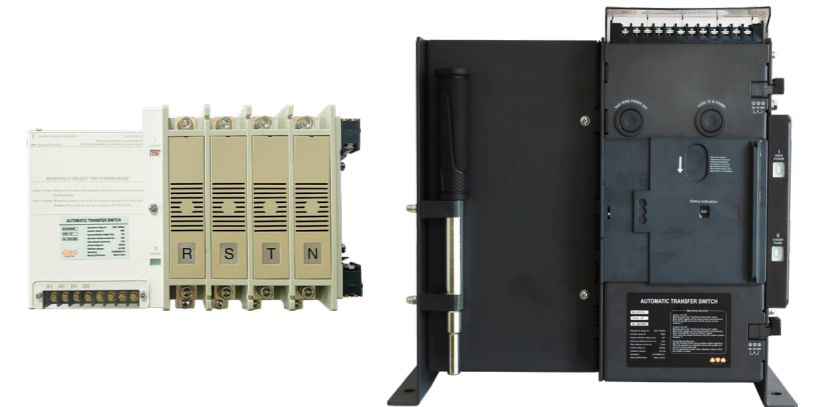
**In (A)** : 63 ~ 3200

**Pole** : 2P/3P/4P

**Switching frequency** : A - B or A - OFF - B

**Standard** : IEC/EN 60947-6-1

**Laboratory** : ETC1



## BỘ ĐIỀU KHIỂN ATS



**Model** : ATbSC55  
 ATbSC56  
 Hanpro1000

**Power system** : 3P4W/400V and 1P2W/230V

**Control** : Two-stage ATS, three-stage ATS,  
 2 ACB and 2 Contactor

**Standard** : IEC/EN 61000-6-2

**Laboratory** : Quatest1



ATS controller ATbSC56



ATS controller ATbSC55



ATS controller Hanpro1000

# V. Product Lineup

## CAPACITOR

**Model** : BDC  
 BIC  
**Power range** : 1.0 ~ 70kVAr  
**Rated voltage** : 250/415/440/480/525  
**Maximum permissible current** : 1.5In  
**Standard** : IEC/EN 60831 & IEC/EN 61921  
**Laboratory** : TUV



Capacitor code M



Capacitor code C



Intelligent Capacitor

## ACTIVE HARMONIC FILTER



**Model** : BF3  
**Rated input line voltage** : 380V ± 20%  
**Power grid structure** : 3P3W / 3P4W  
**Compensation current** : 50A ~ 600A  
**Compensation efficiency** : ≥ 97%  
**Standard** : JB/T 11067-2011,  
 IEC/EN 60439-1, EN 61000-6



Type: Drawer



Type: Wall-mounted



Type: Cabinet



## REACTOR



**Model** : BRH3  
**Power range** : 5~100 for LV and 100~2500 for MV  
**Rated voltage** : 200~690V for LV and 3~35kV for MV  
**Resonance frequency** : 6/7/13/14%  
**Standard** : IEC/EN 60076-6  
**Laboratory** : ETC1



Discharge Reactor

Reactor LV

Reactor MV

# VI. Competitive strength



Electrical equipment manufactured according to European standards



Stable competitive pricing according to price list

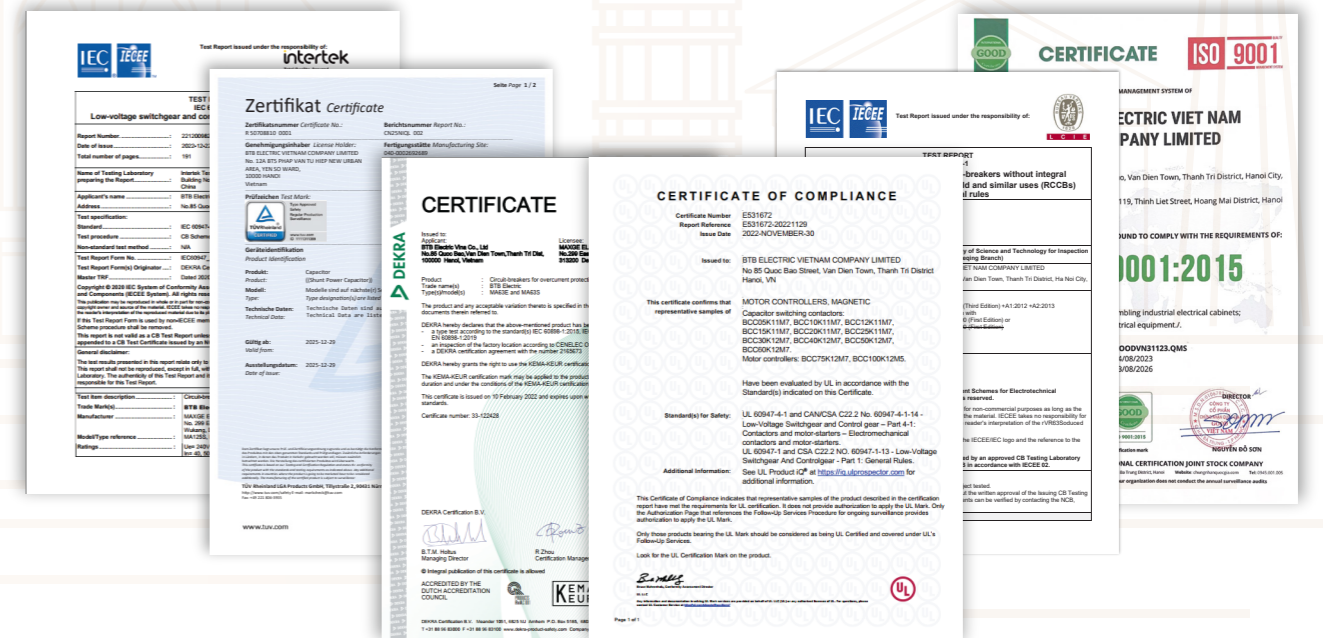


The electrical equipment supplier to prestigious partners in the electrical industry

BTB Electric isn't just a company that manufactures and supplies electrical products; it also brings unique ideas and optimal solutions to each project, with the ultimate goal of achieving customer satisfaction and trust.



# VII. Certifications & Awards



BTB Electric's products have been certified for quality by leading global organizations such as Underwriters Laboratory (UL) - USA, Intertek - UK, Dekra - Germany, and meet IEC, EN, JIS, and other standards. Our products are continually enhanced in terms of energy efficiency and stability across various environments.

# VII. Certifications & Awards



## CERTIFICATE

Issued to:  
**Applicant:**  
**BTB Electric Vina Co., Ltd**  
**No.85 Quoc Bao, Van Dien Town, Thanh Tri Dist**  
**10000 Hanoi, Vietnam**

**Product** : Moulded-Case Circuit-Breaker  
**Trade name(s)** : BTB Electric  
**Type(s)/model(s)** : MF 125E, MF 125S, MTm 125E, MTm 125S, MT 125E and MT 125S

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/AMD1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2165673
- the licensee is registered with the number 2926

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 18 December 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-133660

DEKRA Certification B.V.

  
**B.T.M. Holtus**  
 Managing Director

DEKRA Certification B.V.

  
**K. Lin**  
 Certification Manager

© Integral publication of this certificate is allowed

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, Netherlands  
 T +31 88 96 83000 F +31 88 96 83100 www.dekra-product-safety.com Company registration 09085396

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## Zertifikat Certificate

<b>Zertifikatsnummer Certificate No.:</b> R 50708810 0001	<b>Berichtsnummer Report No.:</b> CN25N1QL 002
<b>Genehmigungsinhaber License Holder:</b> BTB ELECTRIC VIETNAM COMPANY LIMITED No. 12A BTS PHAP VAN TU HIEP NEW URBAN AREA, YEN SO WARD, 10000 HANOI Vietnam	<b>Fertigungsstätte Manufacturing Site:</b> 040-0002692689
<b>Prüfzeichen Test Mark:</b> 	<b>Geprüft nach Tested according to:</b> EN 60831-1:2014 IEC 60831-1:2014

**Geräteidentifikation Product Identification**

**Produkt:** Capacitor  
**Product:** (Shunt Power Capacitor)  
**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
**Type:** Type designation(s) are listed on the next page(s)  
**Technische Daten:** Technische Daten sind auf nächste(r) Seite(n) gelistet  
**Technical Data:** Technical Data are listed on the next page(s)

**Gültig ab:** 2025-12-29  
**Valid from:**  
**Ausstellungsdatum:** 2025-12-29  
**Date of issue:**

**Zertifizierungsstelle:**  
 Certification body:  
  
 Kenny Shi

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Precisely Right.

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## CERTIFICATE OF COMPLIANCE

<b>Certificate Number</b>	ES31672
<b>Report Reference</b>	ES31672-20221129
<b>Issue Date</b>	2022-NOVEMBER-30

**Issued to:** BTB ELECTRIC VIETNAM COMPANY LIMITED  
 No 85 Quoc Bao, Van Dien Town, Thanh Tri District  
 Hanoi, VN

**This certificate confirms that representative sample of:** MCTOR CUNI KOLLERS, MAGNE IIC  
 Capacitor switching contactors:  
 BCC05(11M7, BCC10K11M7, BCC12K11M7,  
 BCC15(11M7, BCC20K11M7, BCC25K11M7,  
 BCC30(12M7, BCC40K12M7, BCC50K12M7,  
 BCC60(12M7,  
 Motor controllers: BCC75K12M7, BCC100K12M7.

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 60947-4-1 and CAN/CSA C22.2 No. 60947-4-1-14 - Low-Voltage Switchgear and Control gear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters.  
 UL 60947-1 and CSA C22.2 NO. 60947-1-13 - Low-Voltage Switchgear and Controlgear - Part 1: General Rules

**Additional Information:** See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Page 1 of 1

Test Report issued under the responsibility of:

## TEST REPORT IEC 61008-1

### Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) Part 1: General rules

**Report Number:** B250032  
**Date of issue:** 2025-04-24  
**Total number of pages:** 669 pages

**Name of Testing Laboratory & Quarantine (Yueqing Branch):** Zhejiang Academy of Science and Technology for Inspection & Quarantine  
**Applicant's name:** BTB ELECTRIC VIETNAM COMPANY LIMITED  
**Address:** No.85 Quoc Bao, Van Dien Town, Thanh Tri District, Hai Noi City, Viet Nam

**Test specification:**  
**Standard:** IEC 61008-1:2010 (Third Edition) +A1:2012 +A2:2013 used in conjunction with IEC 61008-2-1:1990 (First Edition) or IEC 61008-2-2:1990 (First Edition)  
**Test procedure:** CB Scheme  
**Non-standard test method:** N/A  
**Test Report Form No.:** IEC61008\_1H  
**Test Report Form(s) Originator:** OVE  
**Master TRF:** Dated 2015-11

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 If this Test Report Form is used by non-IECEE members, the IEC/IEC logo and the reference to the CB Scheme procedure shall be removed.  
 This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.  
**General disclaimer:**  
 The test results presented in this report relate only to the object tested.  
 This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

## Test Verification of Conformity

Verification Number: 2409B0699SHA-V1

On the basis of the tests undertaken, the sample(s) of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification(s)/standard(s) at the time the tests were carried out. This verification is part of the full test report(s) and should be read in conjunction with it/them.

This document can be used in support of a claim in meeting relevant Low Voltage Directive 2014/35/EU legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/Importer.

<b>Applicant Name &amp; Address:</b>	BTB ELECTRIC VINA CO., LTD. No. 85 Quoc Bao, Van Dien, Thanh Tri Dist, Hanoi, Viet Nam
<b>Manufacturing site Name &amp; Address:</b>	Zhejiang Kipal Electric Co., Ltd. Zhongfang Zhong Industrial Park, Yueqing, Zhejiang, China
<b>Product Description:</b>	AC Contactors
<b>Rating &amp; Principle:</b>	Same appendix pages
<b>Characteristics:</b>	MCC-7, MCC3-7
<b>Model/Type Reference:</b>	The 1st * denotes the rated operational current Ie of AC-3 for 300/415/440V: 9 for 9A, 12 for 12A, 18 for 18A, 22 for 22A, 32 for 32A, 40 for 40A, 50 for 50A, 65 for 65A, 75 for 75A, 95 for 95A. The 2nd * denotes the number of poles: blank for 3P, 4 for 4P.
<b>Brand Names:</b>	
<b>Specification(s)/Standards:</b>	EN IEC 60947-4-1:2019 EN 60947-5-1:2017
<b>Verification Issuing Office Name &amp; Address:</b>	Intertek Testing Service (Shanghai) FTI Co., Ltd. Building 06, No.1198, Qingshou North Road, Shanghai, China
<b>Date of Tests:</b>	2024-07-26 to 2024-10-25
<b>Test Report Number(s):</b>	2409B0699SHA-011-006

**Signature**  
 Name: Oliver Wei  
 Position: Manager  
 Date: 21 November 2024

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# VIII. Featured project



Lotte World Mall (Korea)



Qingdao Subway (China)



Lucky One Mall (Pakistan)



Kenneth Kaunda Airport (Zambia)

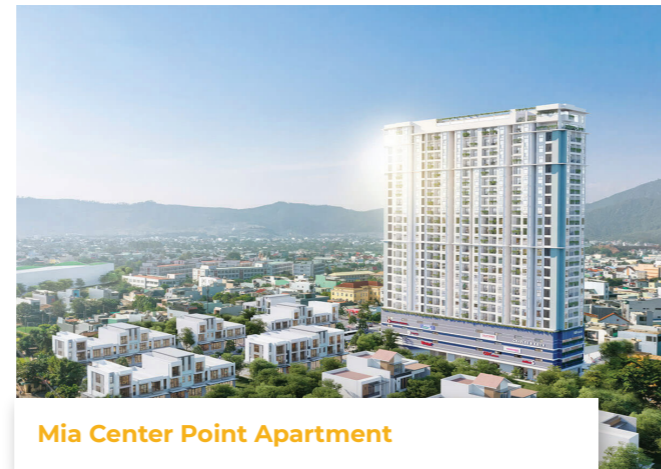


Orissa International (Thailand)

# VIII. Featured project



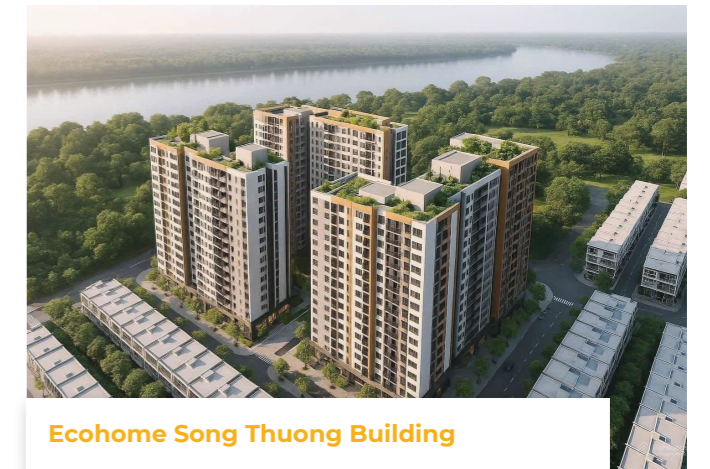
Destino Centro Apartment



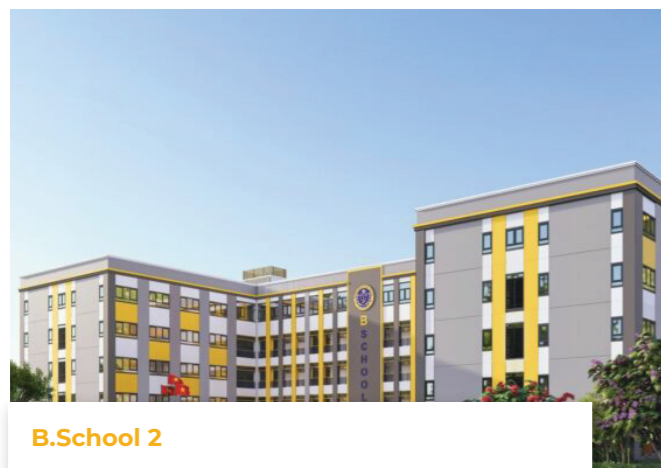
Mia Center Point Apartment



Vikki Bank



Ecohome Song Thuong Building



B.School 2



MK Central City



Dien Bien Building



Eco Retreat City



CitiGrand Apartment



Hoang Ninh Ecolife Building



Mega Market Super Center Da Nang

# VIII. Featured project



BW Industrial Development JSC



VINAUSTEEL JSC



Bumjin Electronics VINA CO.,LTD



Vinh Phat Spinning CO.,LTD



Phenikaa Chemical CO.,LTD



VinES Energy Solutions JSC



Automech 2 Factory



Luxshare - ICT Nghe An CO.,LTD



Ha Thanh Ceramic Tile Corporation



Luxshare - ICT Van Trung CO.,LTD

# VIII. Featured project



EVN NPC - PC Hung Yen



EVN NPC - PC Ninh Binh



EVN NPC - PC Tuyen Quang



EVN NPC - PC Lang Son



EVN NPC - PC Bac Ninh



EVN NPC - PC Thanh Hoa



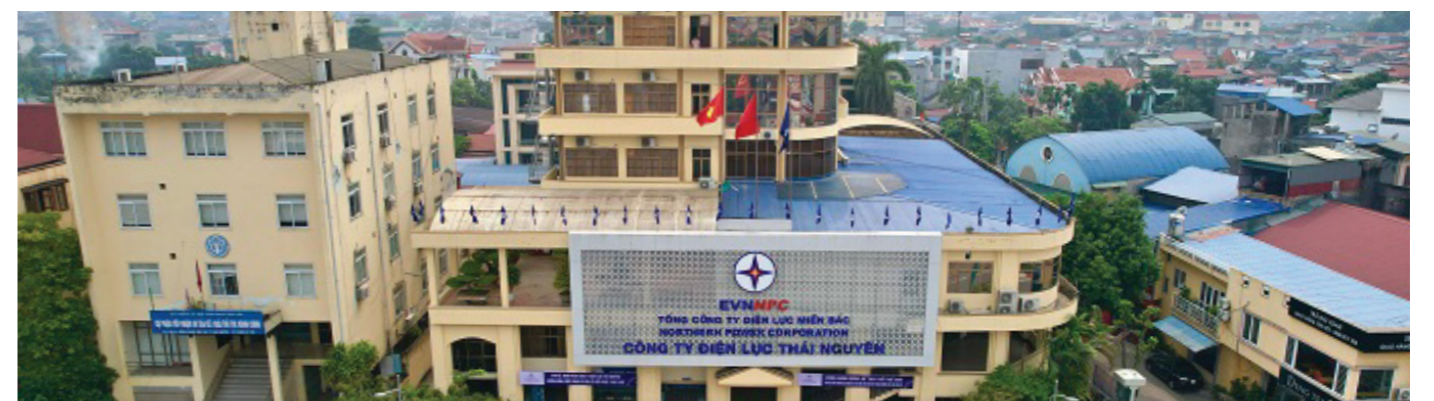
EVN NPC - PC Lao Cai



EVNSPC - PC An Giang



EVN NPC - PC Quang Ninh



EVN NPC - PC Thai Nguyen

