

INTRODUCTION

I – THE GENERAL INFORMATION OF NTT ELECTRICAL SYSTEM COMPANY LIMITED.

NTT electrical system Co. Ltd, was established 04th October 2007 under the Business registration licence No 0102381347 at the Department of Planning and Investment Hanoi and change the 4th time of business registration on 14th May 2012

1. Company Name:

Vietnamese Company Name: CÔNG TY TNHH HỆ THỐNG ĐIỆN NTT.

English Company Name: NTT ELETRICAL SYSTEM COMPANY LIMITED.

Business Name: NTT ELECTRIC CO., LTD.

Logo:



Webiste: www.hethongdien.com.vn

www.hethongdien.vn

2. Head Quarter:

Address: No 97, Nguyen An Ninh, Trưng Mai, Hoang Mai District, Ha Noi, Vietnam.

3. Office

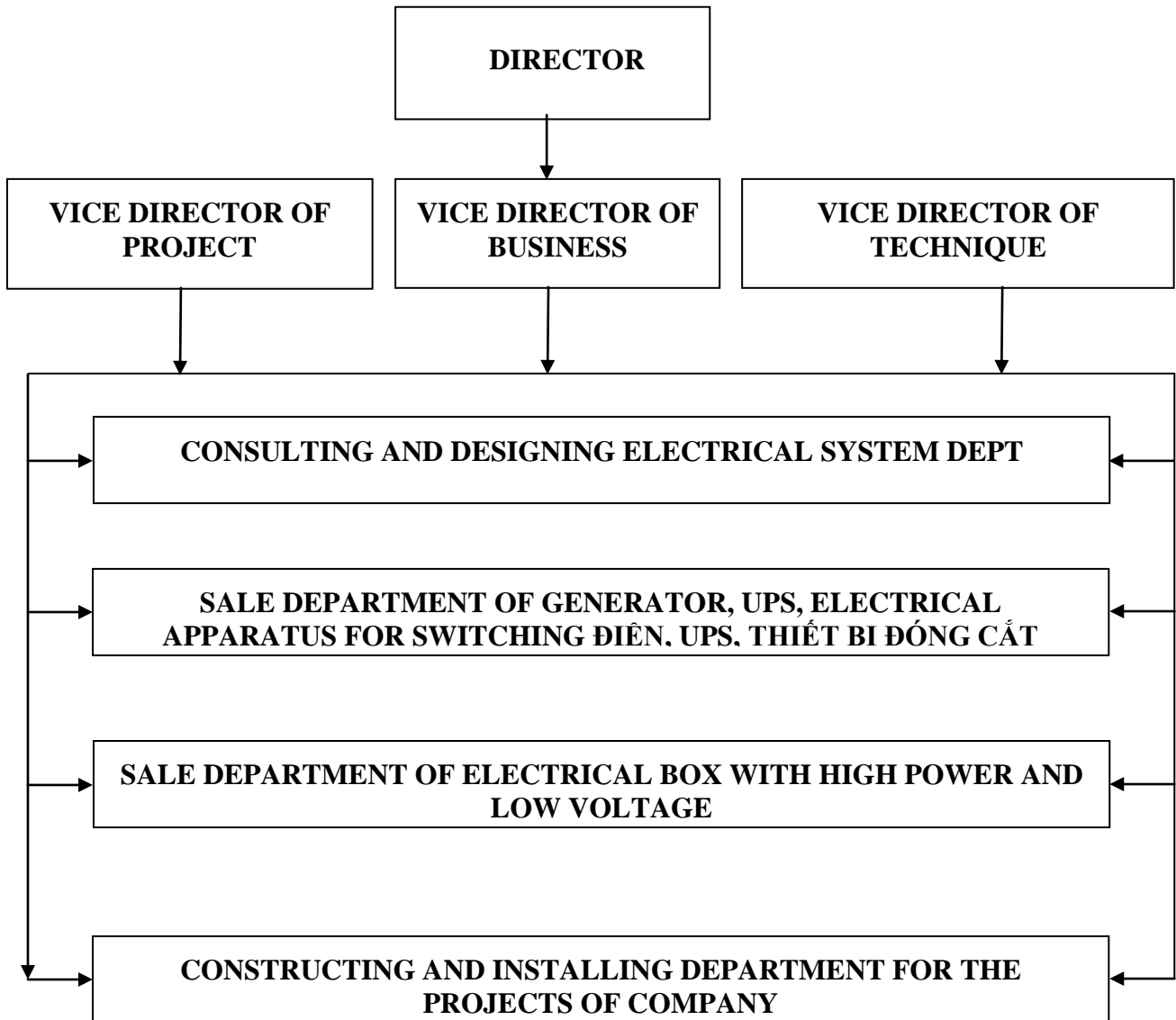
Head Office : No 1, 46/15 Alley, Quan Nhan road, Thanh Xuan district, Ha Noi

Office in HCM: Floor 9 – No. 68 Nguyen Hue road, Ben Nghe, District 1, HCM city

Tel : (84.4) 39996622

Facility: Ngoc Hoi Industrial Zone – Ha Noi

4. Organisation Chart:



II. HUMAN RESSOURCES OF NTT ELECTRICAL SYSTEM CO., LTD.

Name and Surname	Position	Experience year	Formation	Experience
Cao Anh Tuan	Director	11	Electrical Engineer	Business Management
Do Minh Huy	Sale vice director	09	Electrical Engineer	Project Management
Nguyen Thanh Quang	Marketing vice director	11	Economic bachelor	Business Management
Tran Van Bon	Technical generalinchief	11	Electrical Engineer	Technique
Tran Manh Hung	Technical vice	14	Electrical	Technique

	generalinchief		Engineer	
Truong Van Chuong	Technical vice generalinchief	6	Electrical Engineer	Technique
Do Thi Kim Nhung	Accounting generalinchief	07	Economic bachelor	Accounting
Le Thi Thuy Duong	Accounting	06	Economic bachelor	Accounting
Vu Thi Bich Hanh	Import – export expert	07	Economic master	Import export –
Hoang Thi Oanh	Project expert	04	Economic bachelor	Sale
Nguyen Thuy Vinh	Project Supporter	01	Economic bachelor	Support sale
Nguyen Nga	Project expert	04	Economic bachelor	Sale
Nguyen Ngoc Anh	Technician	05	Automatique Engineer	Technical management
Le Duc Anh	Technician	05	Electrical Engineer	Technical management
Nguyen Van Thao	Technician	08	Electrical Engineer	Technique
Vu Duy Vinh	Technician	09	Electrical Engineer	Installation and maintenance
Nguyen Thanh Trung	Technician	06	Electrical Vocational	Installation and maintenance
With the workers in the facility				

NTT ELECTRIC Co., ltd. has experienced employees with over 90% graduated from university. With our direction, we are constantly improving the employees' ability. We regularly have staffs taking part in training courses inside and outside, making it possible to support them to raise levels of professional qualifications.

NTT ELECTRIC Co., ltd. has a strong team of professionals, engineers, bachelor's degree in the fields of electric, electronics, automation, mechanical engineering, construction, foreign trade, economics, foreign languages,... The core workers largely graduated from well-known universities both in domestic and oversea. Moreover, our company has a team of professionals, consultants, partners, professionals, skilled workers specialized in construction and installation works in the fields of electricity, electronics, mechanics and construction.

With dynamic, youthful and experienced employees and the prestigious collaborators, all members of NTT ELECTRIC family are working together for long-term benefits.

II. THE PROCESS OF ESTABLISHMENT AND DEVELOPMENT

- 2007: established NTT Electric system company limited. (NTT ELECTRIC Co., Ltd. We are the first enterprise which introduced and distributed of official power generator product using engines CUMMINS (USA) (Singapore original genset) in the North.

-2008: NTT ELECTRIC is the first sales representative of generators using engine CUMMINS (USA) (Singapore original genset) in the North.

-2009: NTT ELECTRIC is the exclusive sales representative in the North supplying generators using VOLVO (Sweden) and CUMMINS generator America (China) of the OEM factory, Wuxi Baifa Power Limited. www.baifapower.com (Top 10 factories that the biggest scale and the most prestige in the world – Baifa is also the biggest factory in China).

-2010: NTT ELECTRIC continues to become sales representatives of generator sets using engine PERKINS (United Kingdom), VOLVO (Sweden) and DOOSAN (Korea).

- 2013: NTT ELECTRIC became sales agent:

+ UPS power devices of EMERSON, EATON

+ Generators are made in the United Kingdom, SINGAPORE, China with engine: PERKINS (United Kingdom), CUMMINS (Usa), MTU (Germany), VOLVO (Sweden), IVECO (Italy), DOOSAN (Korea), MITSUBISHI (Japan).

+ Brings together a team of engineers and workers on 10 year experience of large companies in the field of electrical cabinets. NTT ELECTRIC extended supply switchboard systems for buildings and factories using equipment ABB (Sweden), Schneider (France), GE (US), Mitsubishi (Japan), LS (South Korea) with competitive price.

- 2014: NTT ELECTRIC became sales agent:

Transformer Dry Type and Busway System (Busduct) from General Electric (US)

FIELDS OF BUSINESS

NTT - direct importer of products of generators and other electrical equipment industry & civil, UPS power backup.

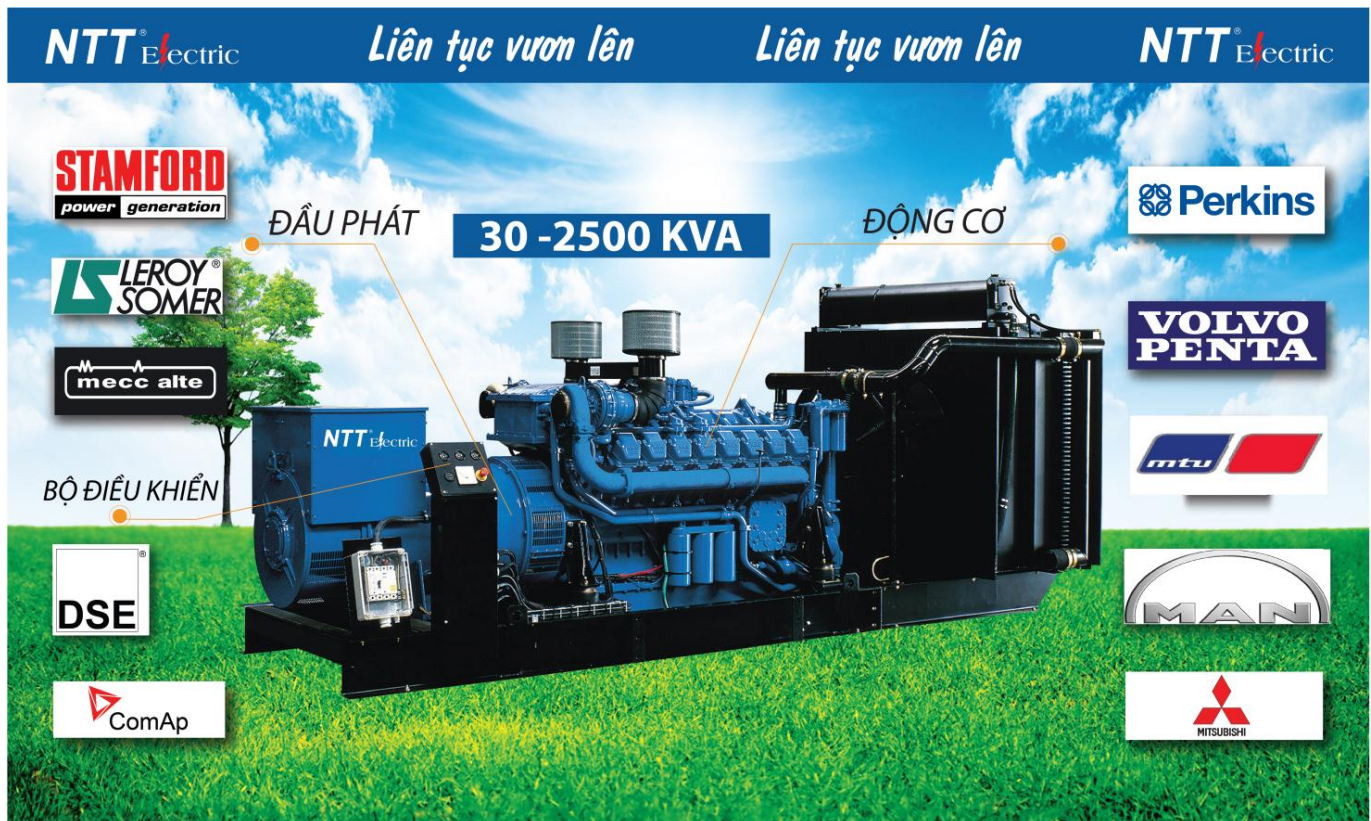
NTT - switchboard manufacturing unit of industrial and civil engineering.

1. Generator.

NTT ELECTRIC was known as direct importer which has the competitive strength in terms of both the quality of the goods, price and warranty maintenance. NTT ELECTRIC is an agent, representative of many well-known all over the world using famous engines and alternators such as:

- CUMMINS – USA
- PERKINS – UK
- VOLVO – SWEDEN
- MTU- GERMANY
- DEUTZ- GERMANY

- DOOSAN– KOREAN
- MITSUBISHI – JAPAN
- STAMFORD – UK
- LEROY-SOMER- FRANCE
- MECC ALTE- ITALIA



2. Electrical Cabinets

- **Electrical Distribution & Controlling engine is transferred the technology EATON Moeller Group (Full Type Test)**

Eaton's electrical business is a global leader in power distribution, power quality, control and automation, and monitoring products and services. Eaton's global electrical product series, including Cutler-Hammer®, Moeller®, Powerware®, Holec®, MEM®, and Santak® provide customer-driven solutions to serve the power system needs of the data center, industrial, institutional, public sector, utility, commercial, residential, IT, mission critical, alternative energy and and OEM markets worldwide. In Vietnam, Moeller cooperate partnership with Texenco MEGATEC - Texenco (Moeller VN). Products Moeller and F & G is present in the brewery Heineken, Tiger, Saigon, milk Dutch Lady, the cement factories such as: Hoang Thach, Ha Tien and Holcim, cigarettes 555 (BAT), Unilever, the steel mills, power, chemicals, cosmetics, ... My Dinh Stadium, apartments Conic, Ho Hao Hon condominiums, luxury apartments Ciputra, Conic Southeast Asia, Etown 2 office buildings, public the Kumho Asiana, Vincom, Hung Vuong Plaza, Phu My Hung.



Advantages of using xEnergy

<p>Performance</p>	<ul style="list-style-type: none"> - The xEnergy system range thinks ahead. This means it is designed for increasing future requirement. - Its module – based design allows for smart combinations and expansions. - - Each function module of this switchgear assembly is perfectly prepared and consistently conceived – from the fitting system technology and enclosure to the software tools. It provides optimum conditions for building-infrastructure up to 5000A
<p>Availability</p>	<ul style="list-style-type: none"> - With xEnergy, Eaton offer a design-verified switchgear assembly for a maximum of trouble-free operation. - The right choice of either the fixed, removable or fully withdrawable technology keeps down times many times shorter and allows to opt for the right technology depending on the calculability of shut-offs. - Wherever it must be possible to bring the system into operation within a few minutes or seconds and under live-line working conditions, Eaton is the right partner.
<p>Safe</p>	<ul style="list-style-type: none"> - xEnergy also provides a maximum of protection for people and equipment. - Level of the technology used (Fixed, Removable or Withdrawable), the more convenient it will be to maintain and replace the switchgear modules. - This will not only minimize the number of work accidents, the number of defects in engines and the duration of training required for the switchgear. - It will also provide reassurance and peace of mind as you know you are using safety-tested and state-of-the-art design-verified switchgear assemblies in conformity with the new IEC/EN61439 standard.

- **Electrical box system assembled by NTT Electric**
- + **Imported Equipment EATON, LS, ABB, Schneider...**



Withdrawable

- + **Imported Copper Busbar**



- + **Electric canopy**
- *Imported electric canopy Rittal from Germany, China*



· Outsourcing Canopy



Thông số kỹ thuật của máy cắt AMADA EM-2510NT.



3. Transformer Dry Type

Transformer GE

GE is one of the first US firms established in Vietnam even before the embargo is lifted, the head office located in Hanoi since 1993. Today, GE Vietnam Co. Ltd., is a company 100% owned foreign investment, provide services in the field of medical equipment, power and energy. GE transformers are special in high technology, based on the application flexibility, low installation costs, operational efficiency and environmental friendliness. Design composed of advanced coils improve performance to meet actual demand. Transformer is designed friendly with the environment indoors and outdoors and in all applications that require power supply continuity.

Highlight of Transformer GE

- High Reliability engineering
- Ability to adapt to harsh environments
- Simple Installation
- Ability to raise capacity
- High efficiency and environmental safety

Accessories

- The control temperature / fan controller
- Cooling Fan
- Scroll wheel



Transformer TESAR

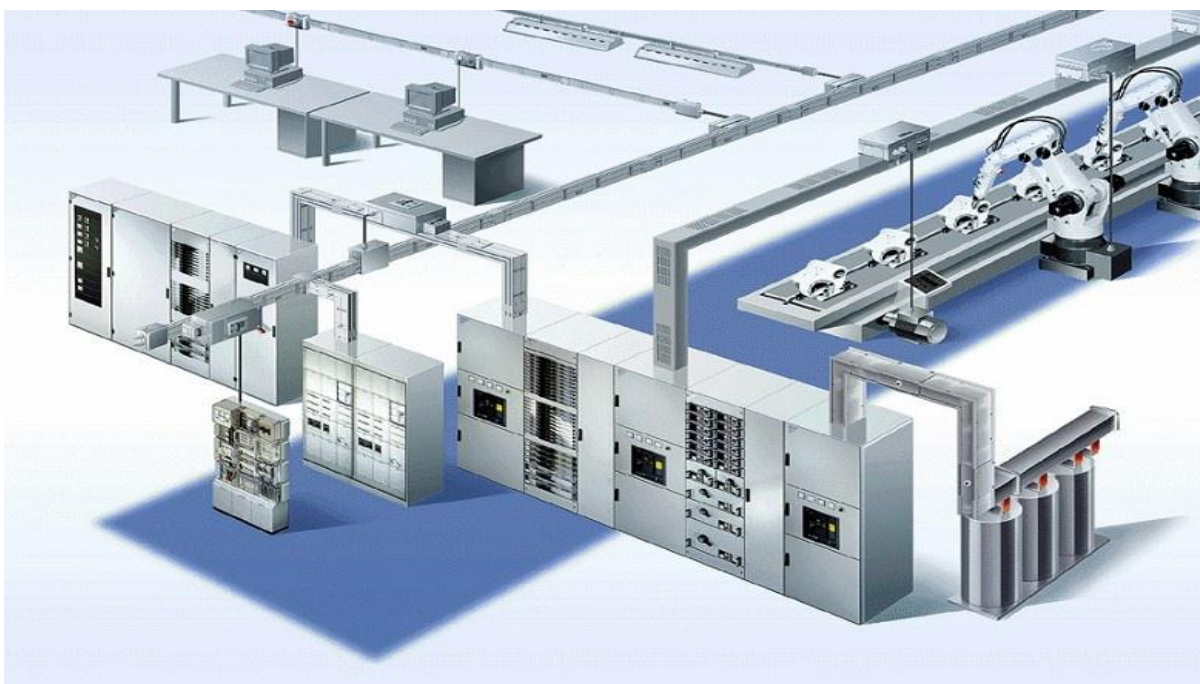


Strong point:

- High security standards.
- Low maintenance costs.
- Easy installation and economical.
- Good quality, high reliability.
- Operating efficiency, environmental friendliness.

4. Busway System (Busduct)

Busway is the power distribution system is made available, with the conductive bus bar (Bus Bar) is protected by the insulating layer and crust. Bus Bar essentially be used as a substitute for cable, custom built rods, copper or tin-plated aluminum or silver on the exposed surface.



The many benefits of busway compared to traditional cable and conduit distribution systems:

- Enhanced flexibility and scalability, support the high power, up to 6600A busbar copper and up to 5000A aluminum busbars.
- Low loss
- Safety
- Aesthetic, Simplified installation, easy to maintenance.
- Can be expanded as requirement. There are spots open for easy connection.

NTT ELECTRIC has been always working with the guideline that sharing the opportunities, challenges, competition, success and future benefits through:

- ✓ *Aftersale service, reputation and satisfy the customers' requirements.*
- ✓ *Team of expert, professional staffs, proactive, innovative, reliable and constant self-improvement.*
- ✓ *The partners have advanced expertise and reputation.*
- ✓ *Financial performance.*

By working tirelessly devoted, with strength, wisdom and experience, NTT ELECTRIC considers the result of customers is our own success. We are committed to a common future, sustainable development.

Contact the HOTLINE: 0904488036

Mail: caoanhtuan@hethongdien.vn

LIST PROJECTS

NTT Electric Systems Co., Ltd. NTT please to attached list of some typical projects that we had provided from 2010 to 2015

No	Name Project	Quantity	Capacity	Year
1	Big C - Ho Guom Plaza Project	01	1650KVA	2015
2	Hai Phat Investment and Construction Company	02	440KVA+200KVA	2014
3	C14 Le Van Luong Project – Bac Ha company – Ministry of Public Security	02	825KVA + 650KVA	2014
4	GoldenLand 275 Nguyen Trai – Hoang Huy group	03	2x 550KVA+ 1x 660KVA+ electrical box system	2014
5	Head Office of Vietinbank – HCM city	02	1375KVA x 2 + electrical box system	2013-2014
6	State bank Tower	02	1375KVA x 2 + electrical box system	2013-2014
7	Ho Guom Plaza – Ho Guom Garment company	02	1000KVAx2	2013-2014
8	Ha Noi club hotel (Singapore group)	01	1000KVA	2014
9	General COMA company	01	388KVA	2009
10	Vietinbank Thanh Hoa	01	275KVA	2009

11	Institute of materials of construction – Ministry of construction	02	400KVA	2010
12	Electrical construction No. 1 JSC – PCC1	02	220KVA	2010
13	VONDE garment factory 100% owned by the German - Thanh Hoa province	01	550KVA	2010
14	Cement factory Phu Tan – Hai Duong province	01	550KVA	2010
15	LICOGI Corporation – Bac Ha Hydropower – Lao Cai province	02	550KVA	2010
16	Medical Military Academy – Ministry of Defense – Ha Noi	01	450KVA	2010
17	Bach Mai Hospital – Ha Noi	01	388KVA	2010
18	Dong Do hospital of heart – 9 Phan Chu Trinh – Ha Noi	01	550KVA	2010
19	Vietronic Dong Da Company – Ha Noi	01	450KVA	2010
20	Dream House School – Ha Noi	01	625KVA	2010
21	Joint Stock Commercial Bank for Investment and Development of Vietnam – Ninh Binh branch	01	145KVA	2010
22	Head office of A Chau Bank – ACB Bank – Ha Noi	02	550KVA	2010
23	House Construction and Development Company for the municipal government – Ha Noi	02	275KVA	2010

24	Hai Phong House Construction and Development Company	02	65KVA	2011
25	Stationery manufacturing Factory in Hai Phong	02	275KVA	2011
26	Nguyen Trai University – LADECO tower – 266 Doi Can – Ha Noi	01	550KVA	2011
27	BITEXCO GROUP	03	500KVA 2x175KVA	2011
28	Northen electrical Company	02	200KVA	2011
29	Nam Cuong group – Ha Noi	01	220KVA	2011
30	Ngọc Khánh Plaza Tower- Ha Noi	02	2x 1250KVA	2011
31	Petrolimex Group – Thai Binh thermal power	01	200KVA	2011
32	Ha Noi beer factory - Hong Ha	01	825KVA	2011
33	Viger beer factory – Viet Tri	01	412KVA	2011
34	Thang Long stock company	01	200KVA	2011
35	Agricultural Hospital Ha Noi	01	350KVA	2011
36	Cua Ong Carbon general Company	01	500KVA	2012
37	Embassy of Saudi Arabia – Ha Noi	02	150+200KVA	2012
38	Petrolimex University in Vinh Phuc	01	150KVA	2012

39	Vinafood company Vietnam VNF1 – Thanh Hoa	01	275KVA	2012
40	Designed Academy of Ministry of Defence – Ha Noi	01	275KVA	2012
41	Paper General Company Vietnam	01	65KVA	2012
42	Shanitsu Japan factory	01	110KVA	2012
43	South Hospital Thang Long	01	220KVA	2012
44	Masan resource group	02	150KVA+ 110KVA	2011, 2012
45	Tax Department in Ninh Binh	01	350KVA	2012
46	Central Endocrinology Hospital – Ha Noi	01	550KVA	2012
47	Operators House of Yen So Park	01	325KVA	2013
48	Medical Military Academy – Ministry of Defense – Ha Noi	02	550KVA+220	2013
49	Military Command Institute Hai Duong	01	200KVA	2013
50	MB Suny Tower – Maritime bank HCM	02	825KVA x 2 + electrical box	2013
51	FUJI Japan	01	550KVA	2013

And many other projects of the generator category has been implemented ..

In addition the NTT electrical company also deployed some contracts on electric panels used for the building which enclosed to the generator items

IMAGES OF TYPICAL PROJECTS

NTT[®] **E** **electric**

RICH FACTORY

(1100KVA CUMMINS)

HCM, Vietnam



ĐỒNG NAI FIRE PREVENTATION CENTER

(440KVA PERKINS)

ĐỒNG NAI, Vietnam



VIETTINBANK TOWER

(1375kVA x 2 PERKINS)

HCM, Vietnam



MB SUNNY TOWER

(825KVA x 2 PERKINS)

HCM, Vietnam



C14 LE VAN LUONG TOWER

(825kVA + 650kVA PERKINS)

Ha Noi, Vietnam



VIETINBANK TOWER – 25 LY THUONG KIET

(1375kVA x 2 PERKINS)

Hanoi, Vietnam



NGOC KHANH PLAZA

(1250kVA x 2 CUMMINS)

Ha Noi, Vietnam



GOLDEN LAND HOANG HUY TOWER

(550kVA x 2 + 660kVA PERKINS)

Ha Noi, Vietnam



HO GUOM PLAZA, HA DONG

(1000kVA x 2 CUMMINS)

Ha Noi, Vietnam



HA NOI CLUB HOTEL

(1000kVA PERKINS)

Ha Noi, Vietnam



ACB BANK TOWER

(550kVA x 2 CUMMINS)

Ha Noi, Vietnam



BIG C HA DONG (HO GUOM PLAZA)

(1650kVA x 1 PERKINS)

Ha Noi, Vietnam



IMAGES OF PROJECTS USING ELECTRICAL CABINETS

HO GUOM PLAZA, HA DONG



**GOLDEN LAND HOANG HUY
TOWER**



**VIETINBANK TOWER – 25 LY
THUONG KIET**

