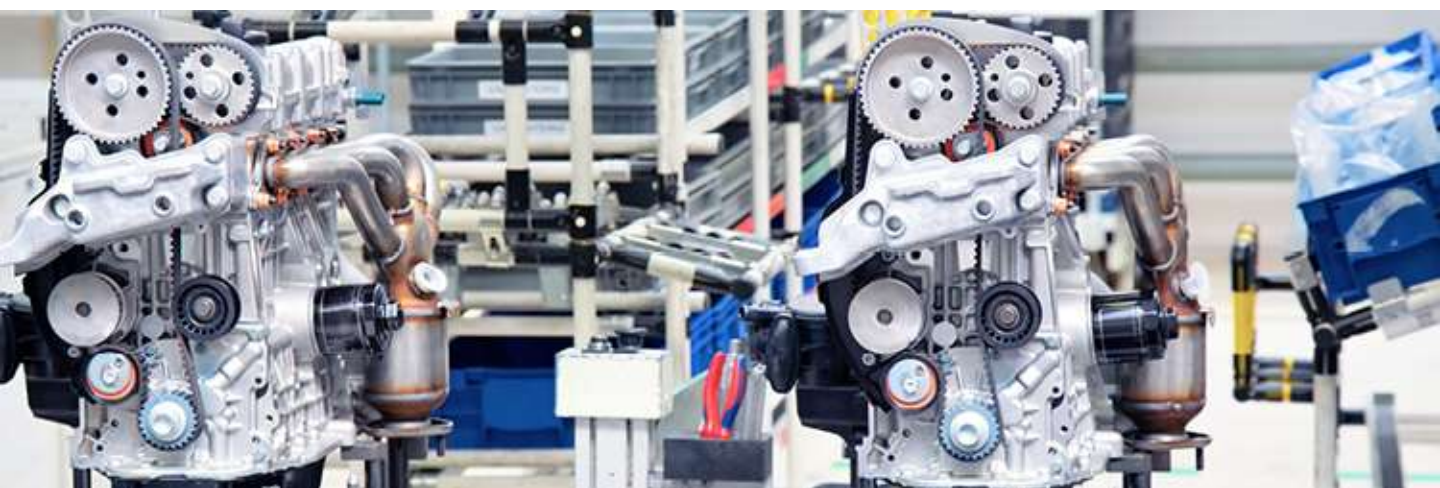




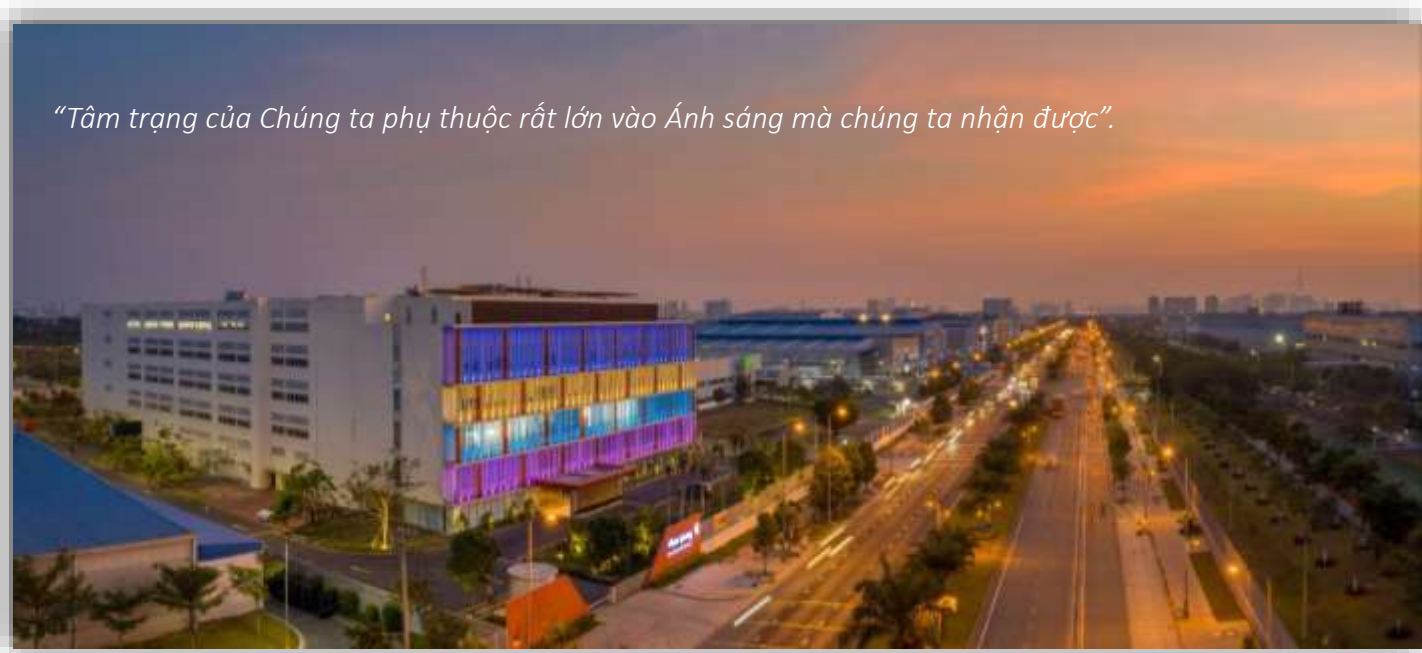
**điện quang**



## **COMPANY PROFILE**

**DIEN QUANG JOINT STOCK  
COMPANY**

*“Tâm trạng của Chúng ta phụ thuộc rất lớn vào Ánh sáng mà chúng ta nhận được”.*



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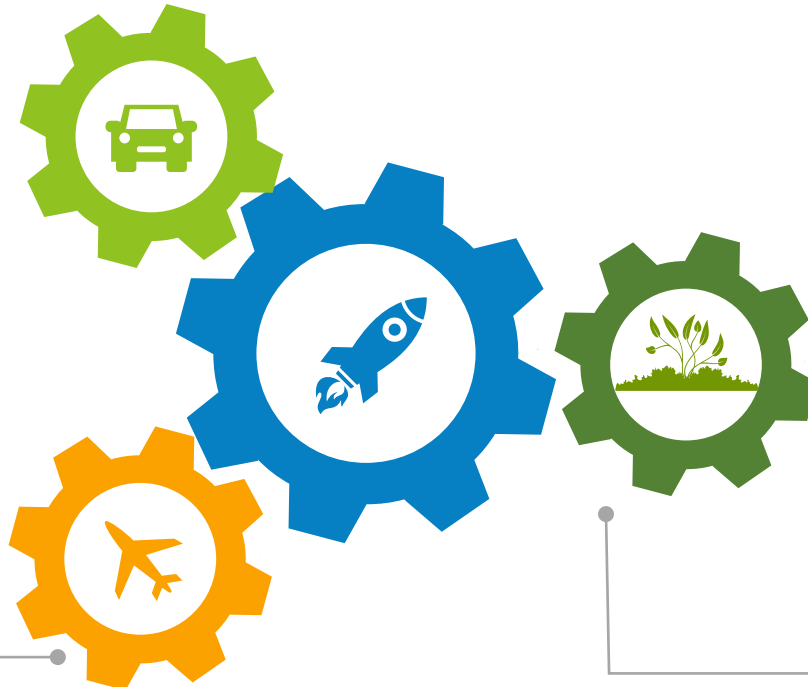
- I. Dien Quang - A companion to SUPPORTING INDUSTRIES & OEM
  - 1. Development orientation
  - 2. Competence advantages
  - 3. Production capacity
  - 4. Testing & quality control capacity
  - 5. Customers and markets
- II. Why should you accompany Dien Quang?
- III. Overview of Dien Quang



**DIEN QUANG**  
**A COMPANION TO SUPPORTING**  
**INDUSTRIES & OEM**

## A RELIABLE PARTNER OF SUPPORTING INDUSTRIES AND OEM PRODUCTION

In the field of electrical, electronic and engineering plastics and production of OEM finished products



### ALWAYS CREATIVE AND CONSTANTLY INNOVATIVE

Creating smart, safe and beautiful products, services and solutions; and contributing to improving quality of people's lives and society

### AN ENVIRONMENTALLY RESPONSIBLE BUSINESS

focusing on product development associated with environmentally friendly technology and social responsibility.

## IMPROVEMENT



Continuously **making progress to improve the quality of customer care services** in the direction of focus, creating favorable conditions for customers' easy access

## COMPLETION



**Perfecting and maintaining the production model** according to the criteria of **productivity, quality, efficiency and professionalism**, ready to meet requirements of major customers and partners.

## INVESTMENT



**Investing, building and expanding production** to localize products and participate in **supporting industries**

## QUALITY



**Establishing and implementing an environmental management system according to ISO 14001:2015 standard**

## DIEN QUANG FACTORIES LOCATED IN FAVORABLE GEOGRAPHICAL LOCATIONS

### EASY CONNECTION TO THE TRAFFIC AXIS

Located at the **intersection of major highways** and **Trans-Asia Road** connecting Ho Chi Minh City with Phnom Penh (Cambodia) and Bangkok (Thailand).  
 Located near **key ports** such as Saigon, Tan Cang, Thi Vai and Cat Lai ports

### EASY CONNECTION TO KEY INDUSTRIAL PARKS

Located among industrial parks and export processing zones in Ho Chi Minh City and neighboring provinces, for businesses in the Hi-forming a network of suppliers and customers Tech Park.

Developing and **expanding** in both **domestic and export markets**. Various opportunities to cooperate with domestic and foreign agencies, organizations and enterprises

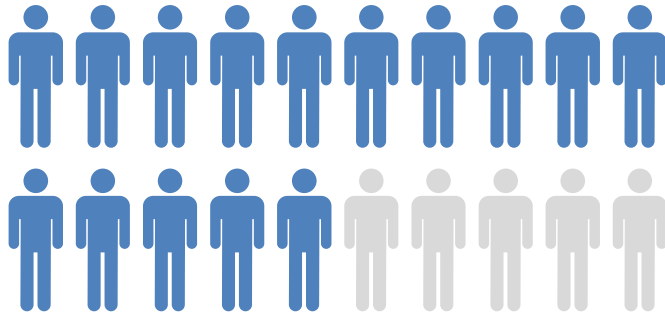
### TAKING ADVANTAGE OF STRENGTHS OF THE HIGH-TECH PARK IN HO CHI MINH CITY

Power supply, water supply, wastewater treatment systems, etc. are **completely built**, thus **ensuring the ability to meet** project investment activities in the Hi-tech Park.

### MODERN INVESTMENT INFRASTRUCTURE

# PERSONNEL CAPACITY

Dien Quang always focuses on training and developing human resources in its unit



**Production unit/ factory**



**Research and development/  
factory**



**Quality inspection (QA –  
QC)/ factory**

## PERSONNEL CAPACITY

In addition, in order to create a safe working environment for employees, Dien Quang also organizes training classes on occupational safety and health and chemical safety to raise a sense of responsibility as well as ensure safety for employees upon working at the Company.

### DEVELOPMENT training

- Product knowledge
- ISO process
- Professional expertise

### SPECIALIZED training

- Personal responsibility – Discipline
- Decision-making skills
- Professional presentation skills

### OCCUPATIONAL SAFETY training

- Fire prevention training
- Occupational safety and hygiene
- Chemical safety



The factories are invested with synchronous and modern production lines, all of which meet international standards.

Dien Quang strictly controls the production process from input materials to finished products and 100% of products are tested before being delivered to the market.

- LED Chip production workshop - Fully automatic line of ASM (Germany)
- An electronic circuit board production workshop with modern automatic lines;
- An assembly workshop with modern and synchronous technology, and a testing system of international standards.



# LED CHIP PRODUCTION LINE

With a fully automatic line of ASM Germany, controlled **dust in the clean - room** according to **CLASS - 100,000** standard..

The annual estimated output is **150 million chips**

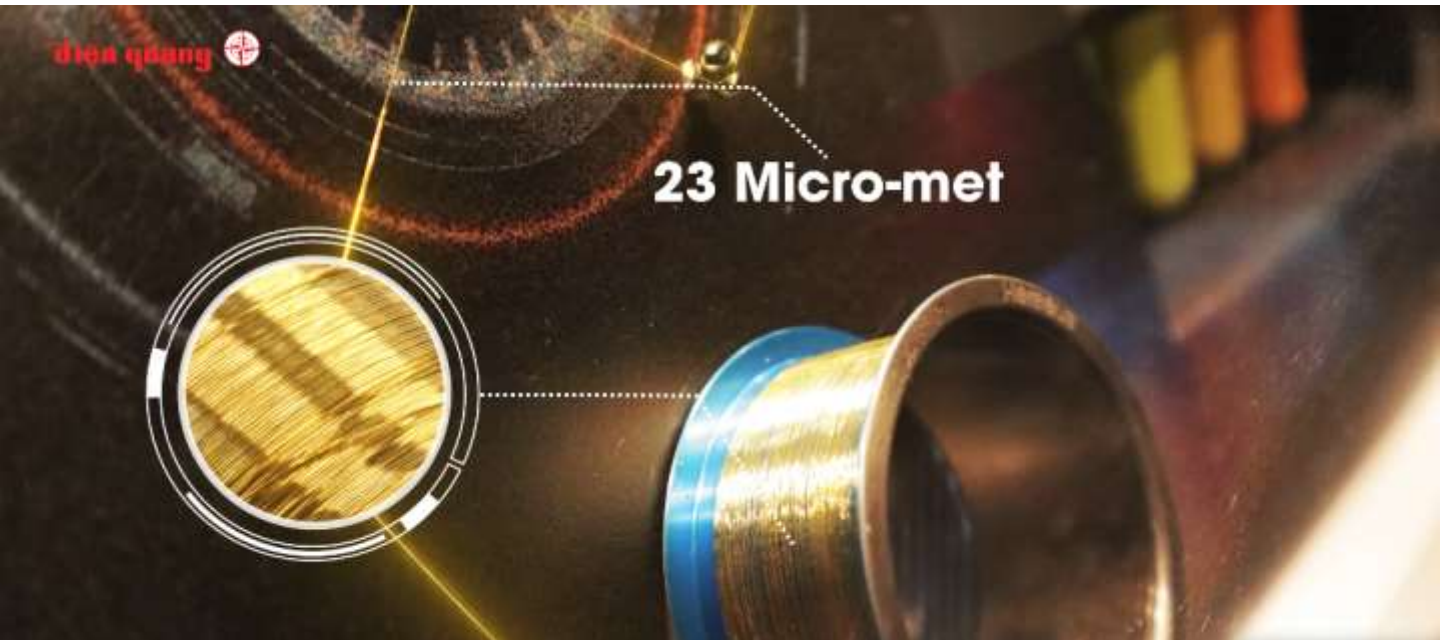


**DETACH DIE MACHINE** : 2 Robot arms, working with a capacity of **90,000 points/ hour**



## LED CHIP PRODUCTION LINE

**WIRE BONDING MACHINE:** The solder wire is made of gold, with **a diameter of 23 $\mu$ m, accuracy is +/- 0.2 $\mu$ m at 3 sigma**



## CHIP SORTING MACHINE



## LED CHIP PRODUCTION LINE

**STORAGE CABINET**: Stored **24/7** in a storage cabinet; temperature and humidity can be adjusted according to regulations



**CLEAN ROOM** Helps remove dirt and helps keep the clean room up to standard



## PRINTED CIRCUIT BOARD PRODUCTION LINE

**THICKNESS TESTER** lead solder paste, imported from  
**KOHYOUNG brand - Korea**



**GLUING MACHINE**, Panasonic Smart Factory version, with  
**2 robotic arms**, each of which has **16 suction heads** with a paste  
speed of **86,000 chips/ hour**



# CLOSED CIRCUIT BOARD PRODUCTION LINE

The smallest component that can be mounted is in size **0201**



The longest PCB that can be mounted is **1m<sup>2</sup>** with tolerance of  $0.35\mu$



# CLOSED CIRCUIT BOARD PRODUCTION LINE

REFLOW OVEN, Imported from **Heller brand, USA**



AUTOMATIC OPTICAL INSPECTION FROM JTA BRAND,  
check **accuracy** and **completeness** of **all components** on each **board**



# CLOSED CIRCUIT BOARD PRODUCTION LINE

**OTHER DEVICES AND X-RAY MACHINE:** to check welds at glue points that are invisible to a naked eye, to ensure product quality requirements

X-eye 5100F  
X-ray Inspection



A LINE IS USED FOR **100% AUTOMATIC INSPECTION** OF PRODUCTS TO REMOVE UNQUALIFIED PRODUCTS.



**THE FEATURES OF THE APC SELF-ADJUSTING SYSTEM** among machines in the line, automatically correcting incorrect positions of gluing/ lead printing optimize the process of gluing components, capable of creating complex electronic boards with high component density.

## PLASTIC INJECTION FACTORY

Dien Quang is fully capable of producing and meeting the needs of the domestic market as well as for export, with an estimated output of up to **15 million products/ year**, with stable and safe quality.



**Area of 4000 m<sup>2</sup>**, modern machinery and equipment system, with high production capacity



# PLASTIC INJECTION FACTORY

Machine pressing capacity from **75 tons to 300 tons**, imported from famous Korean brands



meeting the **output from 80 to 100 million products/year**



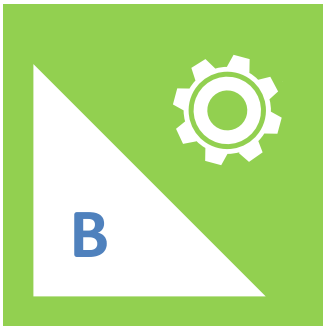
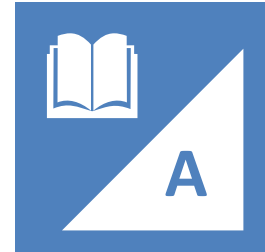
Capable of **pressing** products with **high difficulty and accuracy** in **various types** of plastic such as: PBT; PP; ABS; PC; and POM

# DIEN QUANG ASSEMBLY FACTORY IS EQUIPPED WITH MODERN MACHINERY AND EQUIPMENT



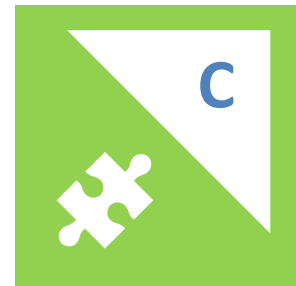
# COMMITMENT TO MEET REQUIREMENTS & QUALITY ASSURANCE THANKS TO

Strictly quality raw material inspection



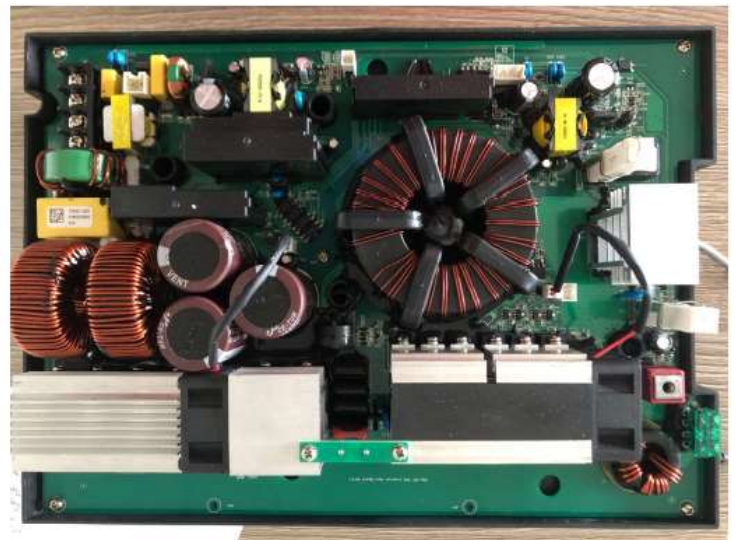
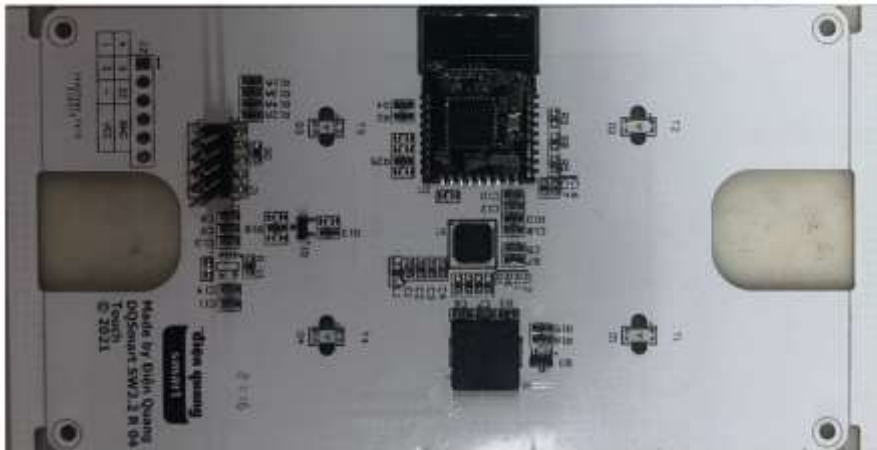
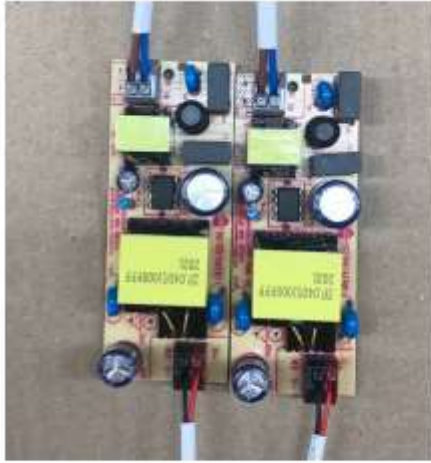
OEM product manufacturing experience

Actively establishing a product localization strategy

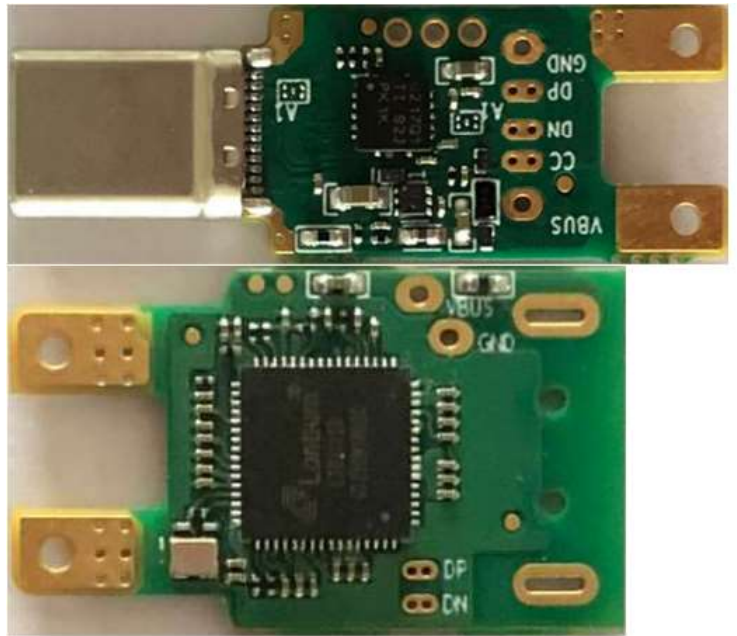


Closed production chain & wide distribution system

# THE ABILITY TO PRODUCE A VARIETY OF PRODUCTS FROM COMPONENTS



# THE ABILITY TO PRODUCE A VARIETY OF PRODUCTS



# THE ABILITY TO PRODUCE A VARIETY OF PRODUCTS



**PLASTIC CAP FOR LED BULB CSL**



**LED TUBE LIGHT HEAD**



**PLASTIC BAR ATTACHED TO METAL**



**3-PIN 3-HOLE SOCKET**



**EPC NK 803 SWITCHING PLUG**



# THE ABILITY TO PRODUCE A VARIETY OF PRODUCTS



**5L3C2USB SWIVEL SOCKET**

**5L3C2USB APOLLO Swivel Socket  
White SPS1.1 05- USB WIFI**



Smart WiFi Plug



Item No.:  
FL-133 w/o surge  
FL-1335 450J LED indicator

**DQ-STP-601-WH/BK 1  
Outlet Smart WiFi Plug**

**DQ-PSA-098-WH/BK**

**DQ-PSA-293-WH/BK**



**Solar Hanging Coach Lanterns  
with Shepherd Hooks**



**Work power strip with clamp**

# THE ABILITY TO PRODUCE A VARIETY OF PRODUCTS

## PATENT COMPACT DESIGN

Vertically flip design makes the work light setting up in **2 Seconds** to a height of 53.2" (135cm) and collapsing to 33.5" (85cm) for easy transport and storage.



**Features:**

- DESIGN TO EFFICIENCY:** Light & charging device in an unique product made by aluminum.
- WIRELESS CHARGING:** Place your device in the transparent Qi-compatible Qi center to charge your smartphone.
- PRACTICAL:** Switch controls the opening & locking on/off independently the reading light and work lamp.

**Available Settings:**

- 1. Light
- 2. Dimmer
- 3. Color Temp



Exclusive Design & Made by Điện Quang

**STAND WORK LIGHT**

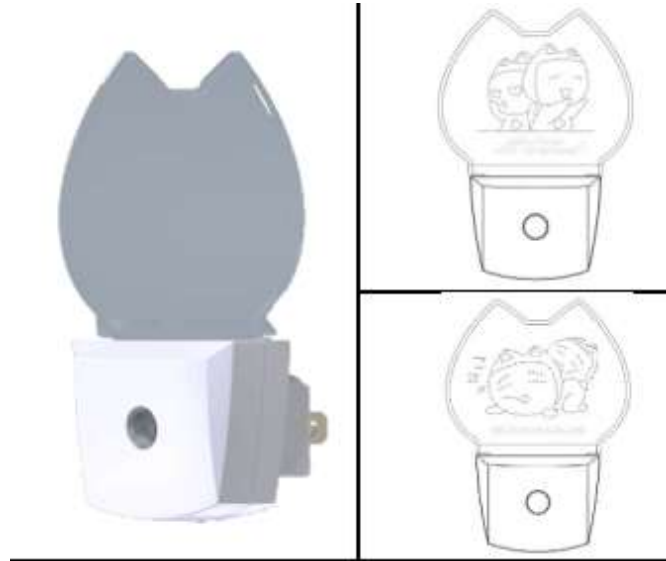
**WALL LIGHT WITH WIRELESS CHARGER**



**SMART TABLE DIMMABLE LAMP**

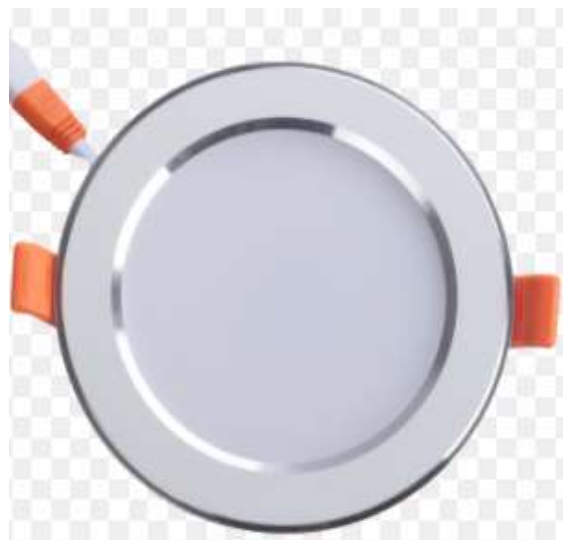
# TYPICAL PRODUCTS

## SENSOR NIGHT LIGHT



LED Night Light Fox Eyes NL 02- Ambient light sensor

## SENSOR NIGHT LIGHT



LED Downlight LRD17 7W Dim/ Non-dim option

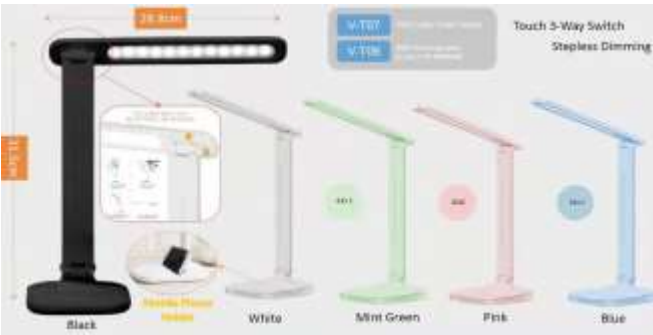
# TYPICAL PRODUCTS

## GLASS LED TUBE LIGHT



*LED glass tube light LEDTU06I 9W – 18 W (0.6m – 1.2m) glass body*

## LED DESK LAMP



*AC input eco-desk lamp*

# TYPICAL PRODUCTS

## LED BULB



LED Bulb BU11A45 3W



LED Bulb BU11 LEDBU11A55V  
5W – 7W non-dim



LED Bulb BU11A60 07727 7W-  
Triac Dimmer- warmwhite



LED bulb BU11 Dien Quang  
LEDBU11A60 9W



BU11A60 7W color  
temperature switching



LED bulb High-power LEDBU12

# FINISHED PRODUCTS

## LED PANEL LIGHT



*LED Panel LEDPN04 7W – 9W*



*LED Panel LEDPN04 12W*



*LED Panel LEDPN04- color temperature switching option*

# TYPICAL PRODUCTS

**LED BULB**



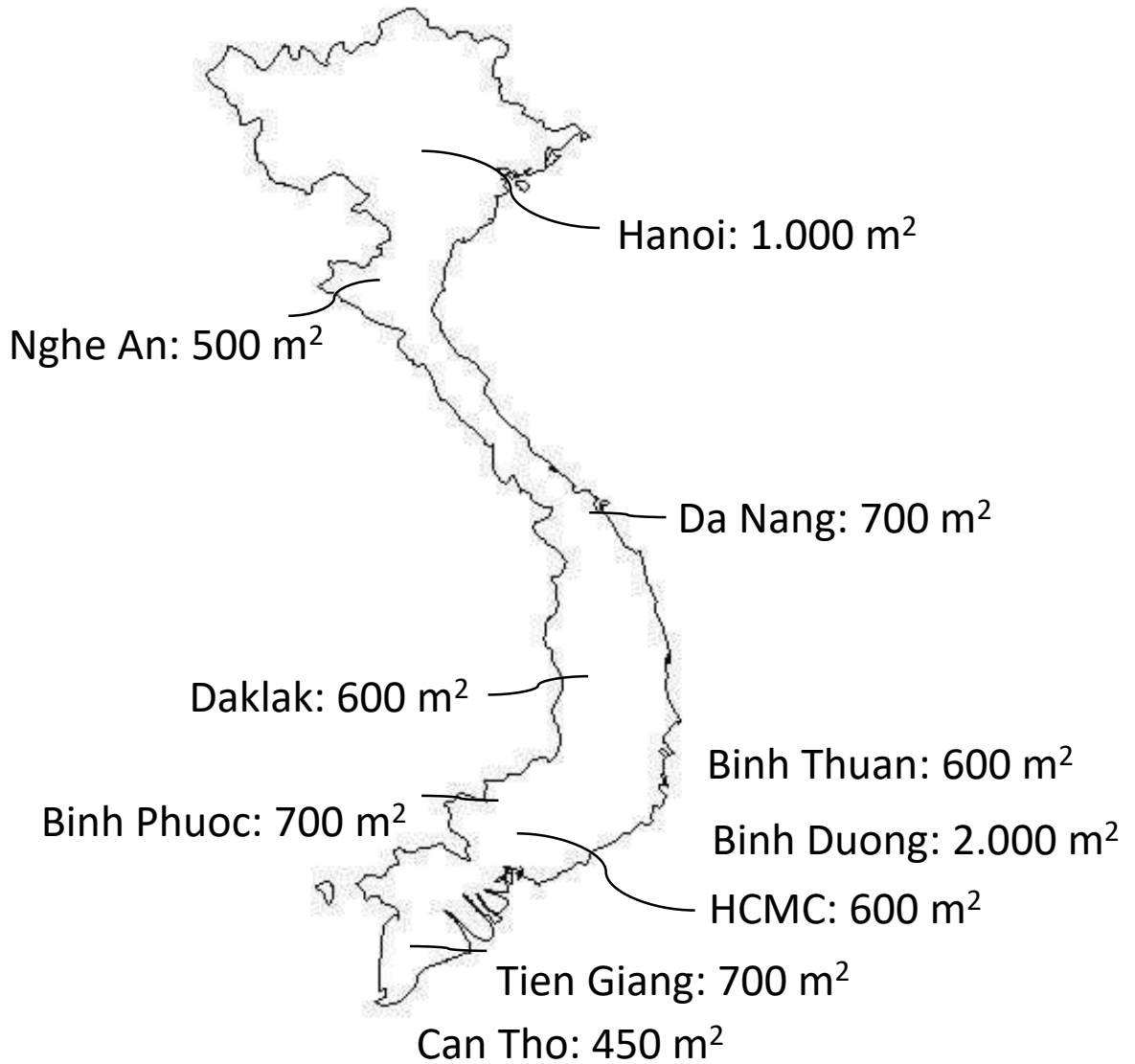
**LED BULB WITH A PLASTIC CAP**



**LED PANEL LIGHT**



**LOGISTICS FACILITIES FROM NORTH TO SOUTH**



**Logistics area with an area of 13,250 m<sup>2</sup>**

**30 delivery trucks**



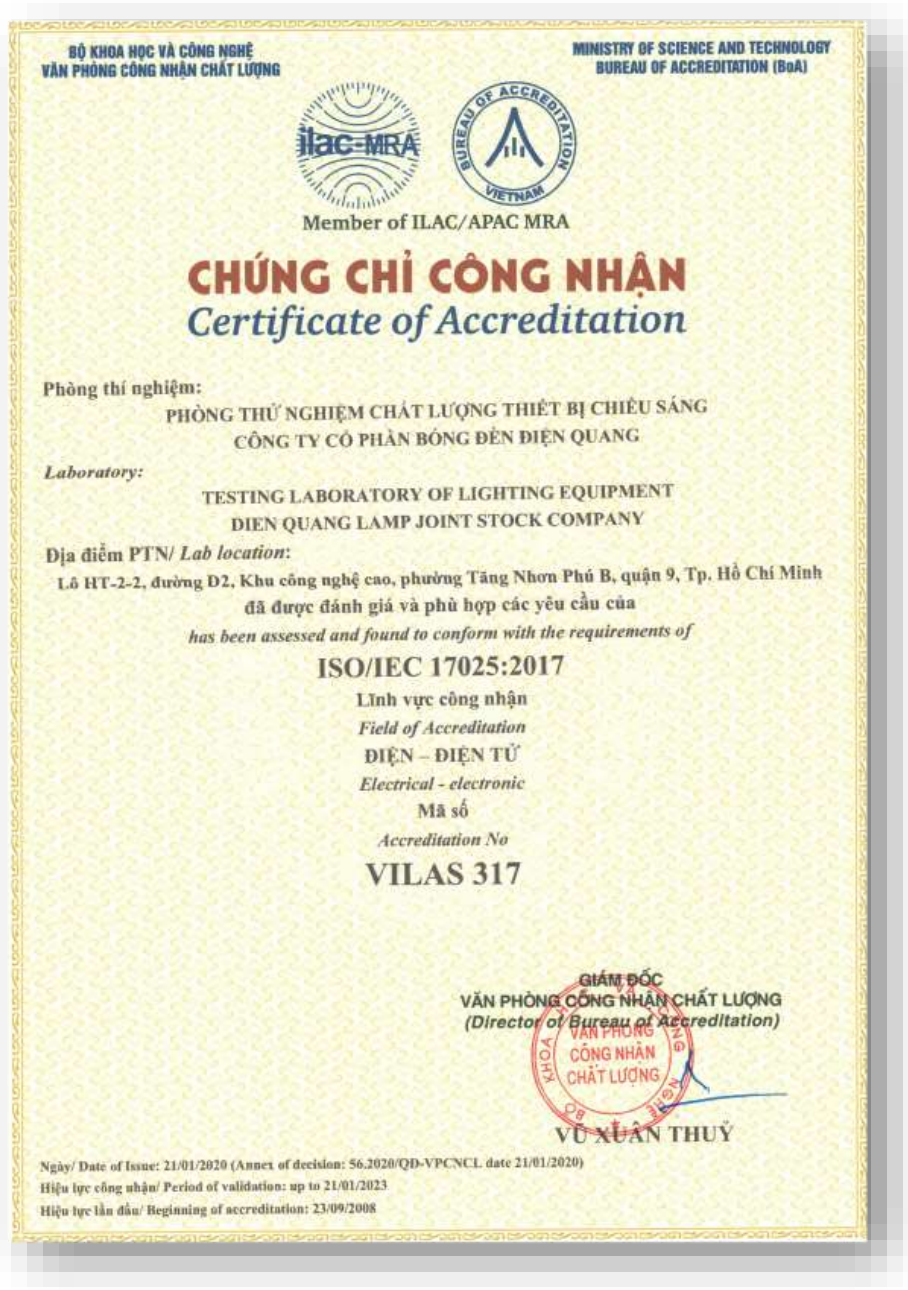
**Load capacity up to**  
**424 tons**



Dien Quang is equipped with a TEST ROOM, CONFORMING TO ISO/IEC 17025, (Accreditation No. VILAS 317, valid until January 2023) at Dien Quang Hi-Tech Factory - High-Tech Park in Ho Chi Minh City (SHTP).

In particular, Dien Quang's test results are consistent with the standards of:

- International Electrotechnical Commission - IEC:
- Regulation QCVN19 (IEC 60598, EMC) of the Ministry of Science and Technology.
- Safety standards of lighting equipment according to the Government's Decree on Fire Prevention.
- Standards according to UL and CE requirements.



## ENSURING PRODUCT QUALITY AS THE TOP GOAL

As a leading technology company in the field of trading and manufacturing lighting products and civil electrical equipment in Vietnam, Dien Quang's development orientation is associated with human resource development, especially focus on building and developing R&D team.

Up to now, Dien Quang has successfully established a Research and Development Center, with more than 100 young, creative and enthusiastic engineers, specialized from design, solution building, product modeling, quality control and mass production organization.

A system of modern laboratories, **meeting IEC international standards**, performing inspection and testing functions, serving research, development and production quality control in the most strict manner.



Photoelectric measuring devices



Life testing devices



Severity measuring devices



Environment simulators



Wire/ plug tester



Test equipment IPx3 - IPx6

# EMC SYSTEM & GONIOPHOTOMETER DARKROOM SYSTEM

- ✓ Testing luminous flux of luminaires (Luminous intensity distribution curve)
- ✓ Providing a IES file of the luminaire.

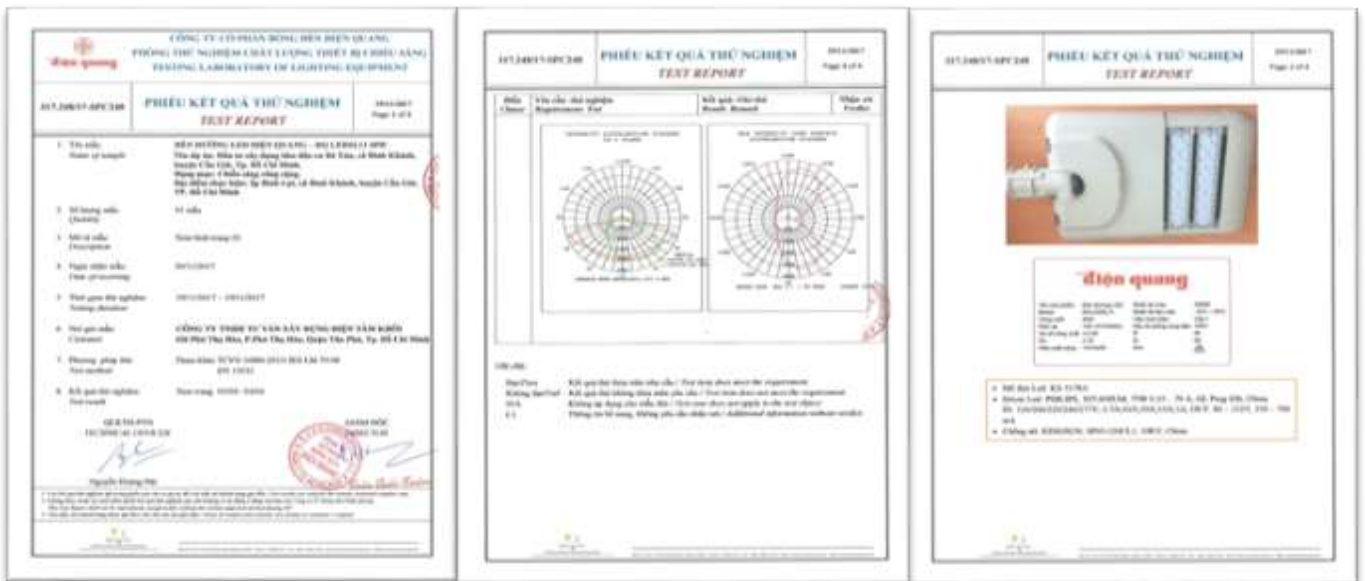


Goniophotometer darkroom



EMC measuring device

Dien Quang is **the only unit in the lighting industry in Vietnam** to invest in this equipment, making a great contribution to the community of Lighting Engineers and Lighting Experts. The test results of Dien Quang have **equivalent reference values** in accordance with the **international standards IECC and CISPR** (International Special Committee on Radio Interference).



ISO 14001:2015

ISO 13485:2016

ISO 9001:2015

2021  
Processing IATF 16949:2016



# Certificate

Standard: **ISO 9001:2015**

Certificate Register No: 01 100 023418

Certificate Holder:



**DIEN QUANG LAMP JOINT-STOCK COMPANY**  
121-123-125 Ham Nghi Street, Nguyen Thai Binh Ward,  
District 1, Ho Chi Minh City, Vietnam

including the locations according to annex

Scope:

Development, manufacture and sales of electric lamps,  
lighting equipment (ballast, luminaires)

Proof has been furnished by means of an audit that the  
requirements of ISO 9001:2015 are met.

Validity:

The certificate is valid from 24.11.2017 until 23.11.2020.  
First certification: 2002

12.11.2017

TÜVRheinland  
Am Grauen Stein 11138 Albstadt

www.tyv.com



# CERTIFICATE OF COMPLIANCE

Certificate Number: 20191122-E511442  
Report Reference: E511442-20191120  
Issue Date: 2019-NOVEMBER-22

Issued to: **DIEN QUANG HIGH TECH COMPANY LIMITED**  
Lot HT-2-2, Street D2, High Tech Park, Tang Nhon Phu B  
Ward,  
District 9, Ho Chi Minh City VIETNAM.

This certificate confirms that  
representative samples of **LIGHT-EMITTING-DIODE NIGHTLIGHTS**  
LED, Portable Lighting Products, Nightlights-  
DQL NL 01

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

Standard(s) for Safety: **UL 1786, Direct Plug-In Nightlights,**  
**CSA C22.2 No. 256-14, Direct Plug-In Nightlights.**

Additional Information: See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up  
Services Procedure 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.

UL LLC  
9740 Riverchase Lane, Suite 100, Houston, TX 77036, USA  
www.ul.com



# PRODUCTS EXPORTED TO PRESTIGIOUS MARKETS



**UNITED  
STATES**

**EUROPE**



# CUSTOMERS WHO HAVE TRUSTED & COOPERATED IN PRODUCTION





# WHY SHOULD YOU ACCOMPANY DIEN QUANG?



# PROUD TO BE A MEMBER OF PRESTIGIOUS ASSOCIATIONS IN VIETNAM



HIỆP HỘI DOANH NGHIỆP  
THÀNH PHỐ HỒ CHÍ MINH



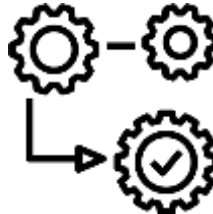
HỘI CHIẾU SÁNG VIỆT NAM



## WHAT'S MORE, WE...



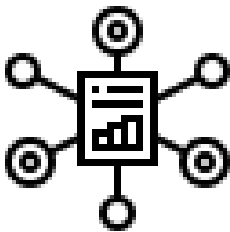
**PROVIDE HIGH  
QUALITY AND  
DURABLE PRODUCTS**



**HAVE A CLOSED  
PRODUCTION CHAIN  
FROM RAW  
MATERIALS TO  
FINISHED PRODUCTS**



**UNDERSTAND EACH  
BUSINESS WITH  
TAILORED PRODUCTS  
ON DEMAND**



**AUTOMATE  
EQUIPMENT &  
LOCALIZE RAW  
MATERIALS**



**RESPONSIVE,  
FLEXIBLE & EFFICIENT**



**ALWAYS CREATE  
ADDED VALUE FOR  
CUSTOMERS**

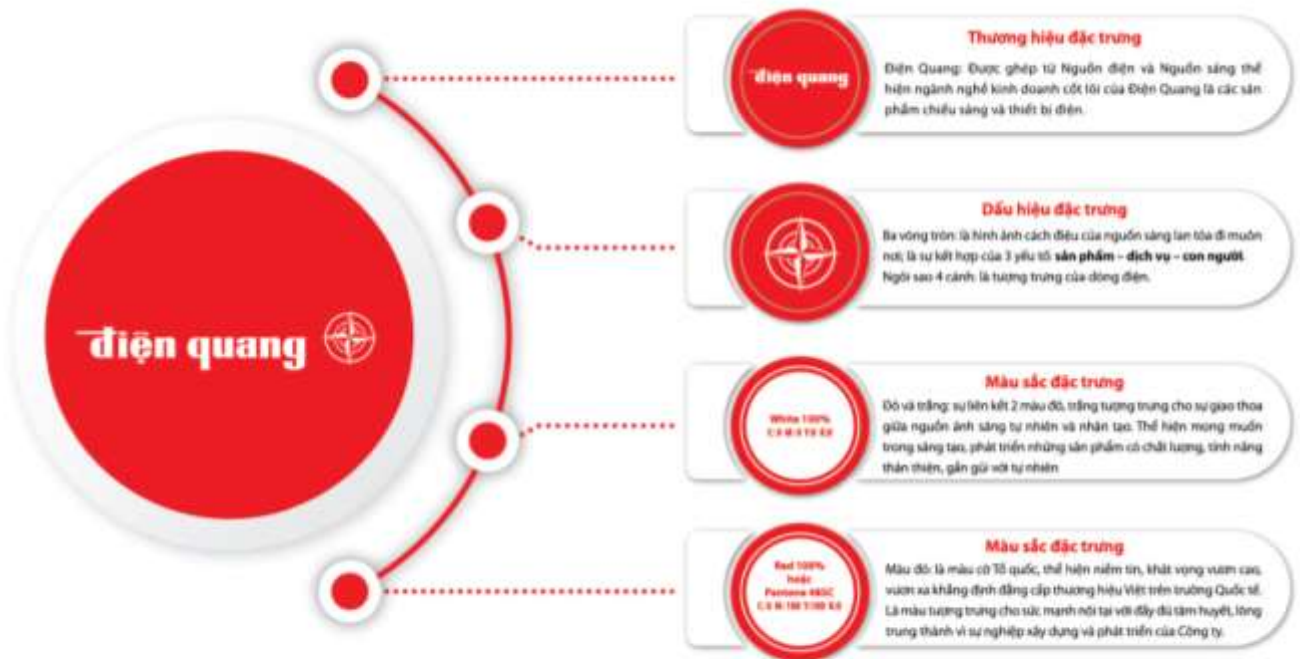


# **OVERVIEW OF DIEN QUANG**



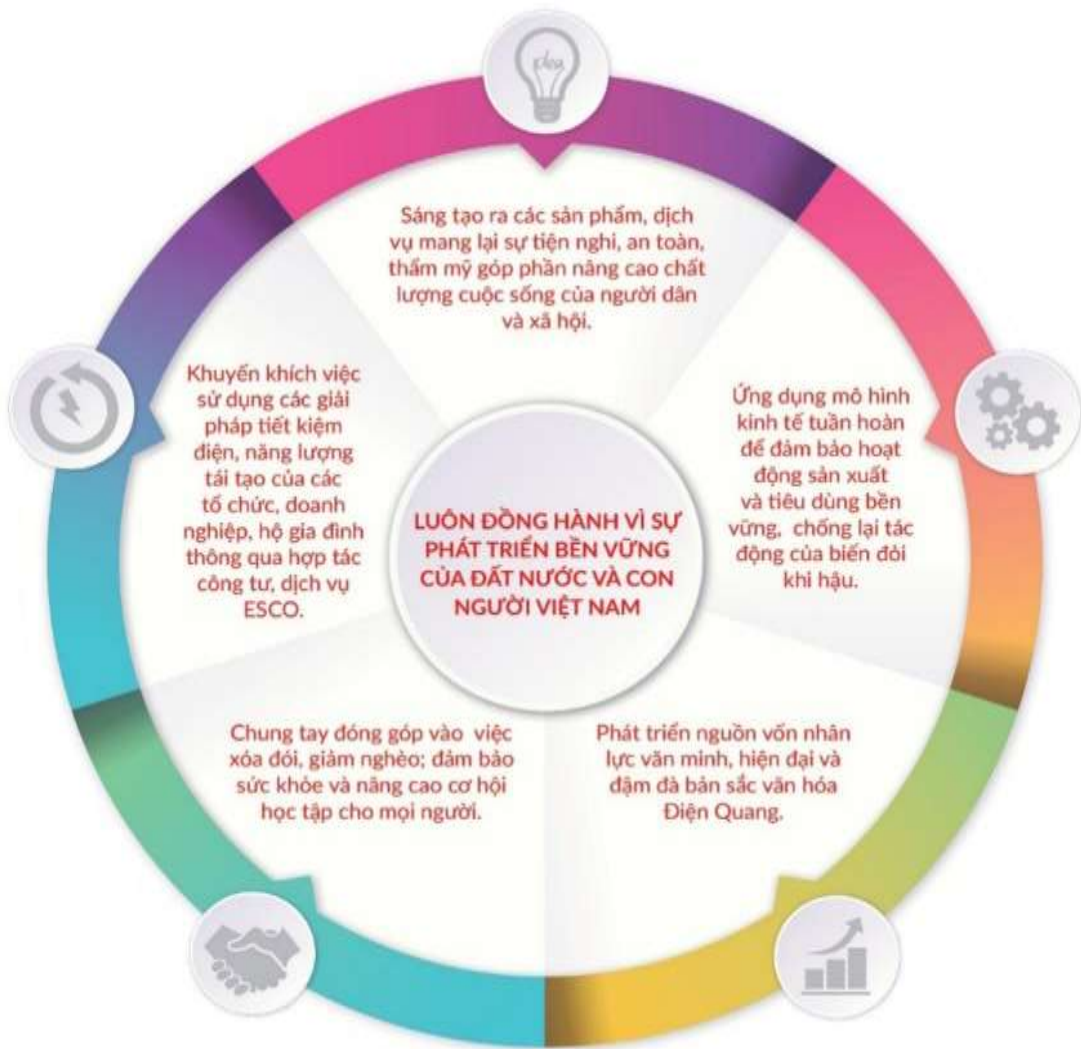
Dien Quang was established in 1973; its business line is to produce and sell products, services and solutions in the field of lighting and electrical equipment. With the main mission as contribution to the society and community, Dien Quang has always been a pioneer in applying modern science and technology to production and business in order to provide comfort, safety, and aesthetics, contributing to improving quality of people's lives and society.

Dien Quang's products are distributed throughout the provinces and cities nationwide, present in more than 30 countries and territories around the world such as EU, Asia, Europe, America and so forth. Dien Quang is proud to be one of the pioneering and continuously being the only brand of the lighting industry recognized by the Vietnamese government as a National Brand; which is one of the few brands consecutively voted by consumers as high quality Vietnamese goods since 1996.



Biểu tượng tiêu chuẩn của ĐIỆN QUANG là sự kết hợp giữa tên thương hiệu và dấu hiệu đặc trưng tạo thành cốt lõi trong hệ thống nhận biết thương hiệu.

DIEN QUANG HAS ALWAYS BEEN A COMPANION FOR THE SUSTAINABLE DEVELOPMENT OF THE COUNTRY AND VIETNAMESE PEOPLE.”



## RESPONSIBILITY TO THE ENVIRONMENT & SOCIETY

Dien Quang is **the first and only unit** in the **lighting industry** certified by the Ministry of Natural Resources and Environment

### Vietnam Green Label

Environmentally friendly products for LED products under Dien Quang brand



#### MATERIAL

Continuously improving product design to save materials, and prioritizing selection of environmentally friendly materials



#### ENERGY

Researching and developing various lines of smart and convenient products and services while ensuring safety, savingness and environmental friendliness.



#### WATER CONSUMPTION

Encouraging workers' awareness of water saving, propagandizing, checking and reminding workers in economical use of water



#### MEASURES FOR WASTE WATER AND WASTE TREATMENT

Developing and putting an environmental quality management system into application according to ISO 14001:2015

# ACHIEVEMENTS OVER THE YEARS



Business Excellence Award 2006

Top 500 largest private enterprises in Vietnam



Granted a certificate of science and technology enterprise

“Vietnamese goods loved by consumers”



Top 500 most profitable enterprises in Vietnam

Top 100 sustainable enterprises in Vietnam

# ACHIEVEMENTS OVER THE YEARS



voted as Vietnamese High Quality Goods by consumers for 25 years



Typical Business Enterprise of Ho Chi Minh City in 2020



National Brand in 2020



1 in 30 Gold Brands of Ho Chi Minh City in 2021



“Typical industrial products and supporting industries of Ho Chi Minh City”, 2020







“Top 10 Excellent Digital Products Make in Vietnam in 2020”





# Thank You

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- Telephone: **19001257** – Fax: +84.8.38251518
- Email: [info@dienquang.com](mailto:info@dienquang.com)
- Website: [www.dienquang.com](http://www.dienquang.com)