



COMPANY PROFILE Light Fitting Manufacturer

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Welcome to our Company Profile

Leading lighting manufacturing group through innovation, creativity and foresight. To be known worldwide for our total commitment for continuously investing in new manufacturing technologies to achieve better product quality and efficiency.

GCEO'S Statement

Mr. Liew Kok Weng Group CEO Managing Director, (GCEO)





The possibility of adapting lighting based on needs and conditions generates, alongside the tangible benefit, a wealth of values for society, people and the environment. This corresponds well with Sirijaya endeavour to contribute in all ways possible to a brighter, flexible and sustainable world.

GCEO'S Statement:

Flexibility

The technology shift to LED is progressing at record speed and already accounts for two-thirds of our sales. The rapid development is a natural effect of the technology's many advantages, through which it offers an excellent combination of energy savings, lower cost and long useful life. This is also a technology shift that we as yet have only seen the beginning of, not least in terms of creating more efficient and smarter light sources in which LEDs are combined with platforms for smart control and online services.

For a number of years, Sirijaya has reported its sustainability efforts in accordance with the international standard. Ahead of this year's report a more extensive materiality analysis has been carried out in the form of an appraisal of the aspects that Sirijaya assesses as being of strategic importance with those our stakeholders perceive as significant. I believe this work has contributed to strengthening internal consensus about what sustainable and responsible enterprise means for Sirijaya.

Flexible product development, energy-efficient products, business ethics and reviews of our supply chain are among the areas that are assessed as strategic or prioritised for other reasons for Sirijaya to manage and communicate on.

The source of the Sirijaya Group's success is the interaction of a number of factors. Our decentralised entrepreneurial business approach and our consistent adherence to our strategy to create a globally integrated company are two core components. A third component is our employees' targeted efforts to generate customer benefits, driven by extensive expertise regarding lighting's possibilities together with sound technical competence. Furthermore, I am convinced that a responsible enterprise approach generates long-term business value for Sirijaya. By shouldering our responsibilities today, we will also have better prerequisites for pursuing successful business moving forward.

Mr. Liew Kok Weng Group CEO Managing Director, (GCEO)

Let start from here

SIRIJAYA was founded in 1983 under the name of Syarikat Serijaya and subsequently we had incorporated the company as a private limited company in Malaysia under the name of Sirijaya Industries Sdn. Bhd. on 14 June 1986.

Mr. Liew Kok Weng, Group Managing Director / Group CEO is the founder of the company and he has been elected as a Chairman of the group at the later stage.



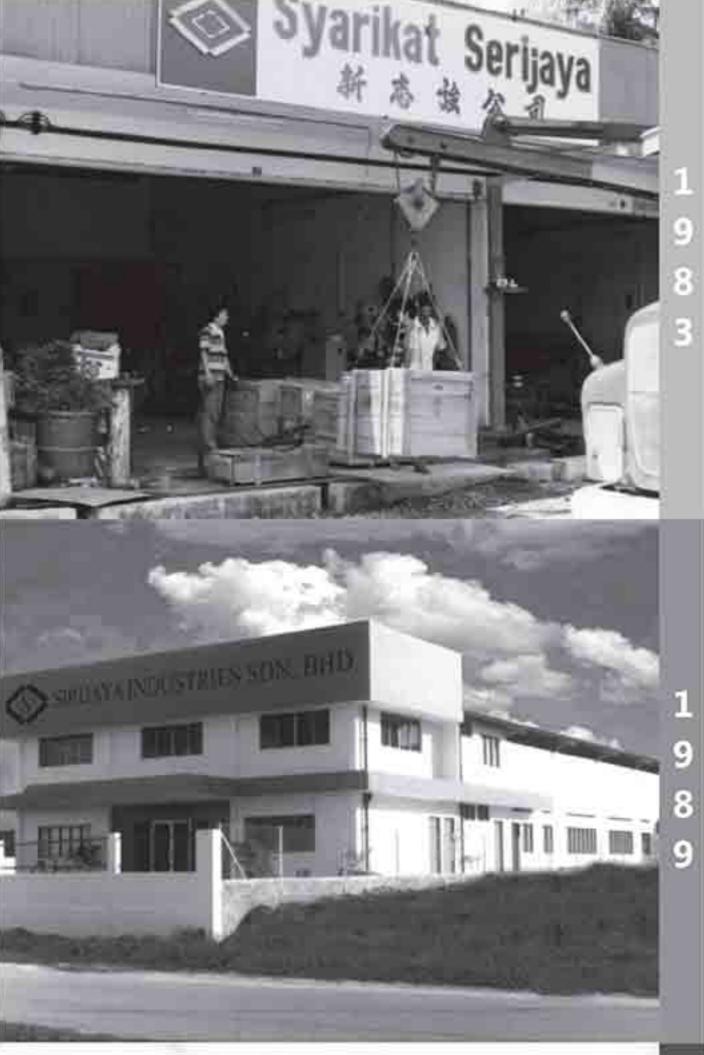
We were initially involved in manufacture of starter holders, lamp holders, miniature lighting parts and components supplying to the various luminaire manufacturers in the domestic markets as well as overseas/Middle East countries. A sub-assembly of lawnmowers and toolboxes were aligned in operation to sustain our small scale business during the inception.

We envisaged the growth of construction industries in the country will be steadily expanding with billions of dollars buildings be built in various locations thus seeing

substantial opportunities on light fittings needed to be installed not only in architecture buildings but also commercial building particular for offices, schools, universities, hypermarkets, hotels, hospitals and etc. In review of these growing opportunities, we expanded our business portfolios from lighting parts and components to manufacture of fluorescent light fittings systems in 1991 and named our brand as SJ LITE.

Our first major project was awarded and it has been successfully installed and commissioned at the Malaysian Sultan Abdul Aziz Shah Airport, Subang terminal 2. Carry with the triumph of this prestige installation, we have subsequently with prides continue supplies SJ LITE's fittings to the entire Nation and exporting more than 25 countries in various continents.







Corporate History

In the tenure of 2 decades experienced in producing different kinds of luminaires required by different prestige clients, we have gained vast experience on designing luminaires not only meeting domestic and international compliances, but also gained reputation abroad challenging the giants' competitors at the International scenes. We also successfully developed several world renowned clients in channel the OEMs/ODMs on our luminaires suiting their respective requirements for the specific markets.

Our manufacturing facilities to various locations which incrementally occupied a larger built-up area for the expansion.

Followings are the brief introduction on the road map of expansions:

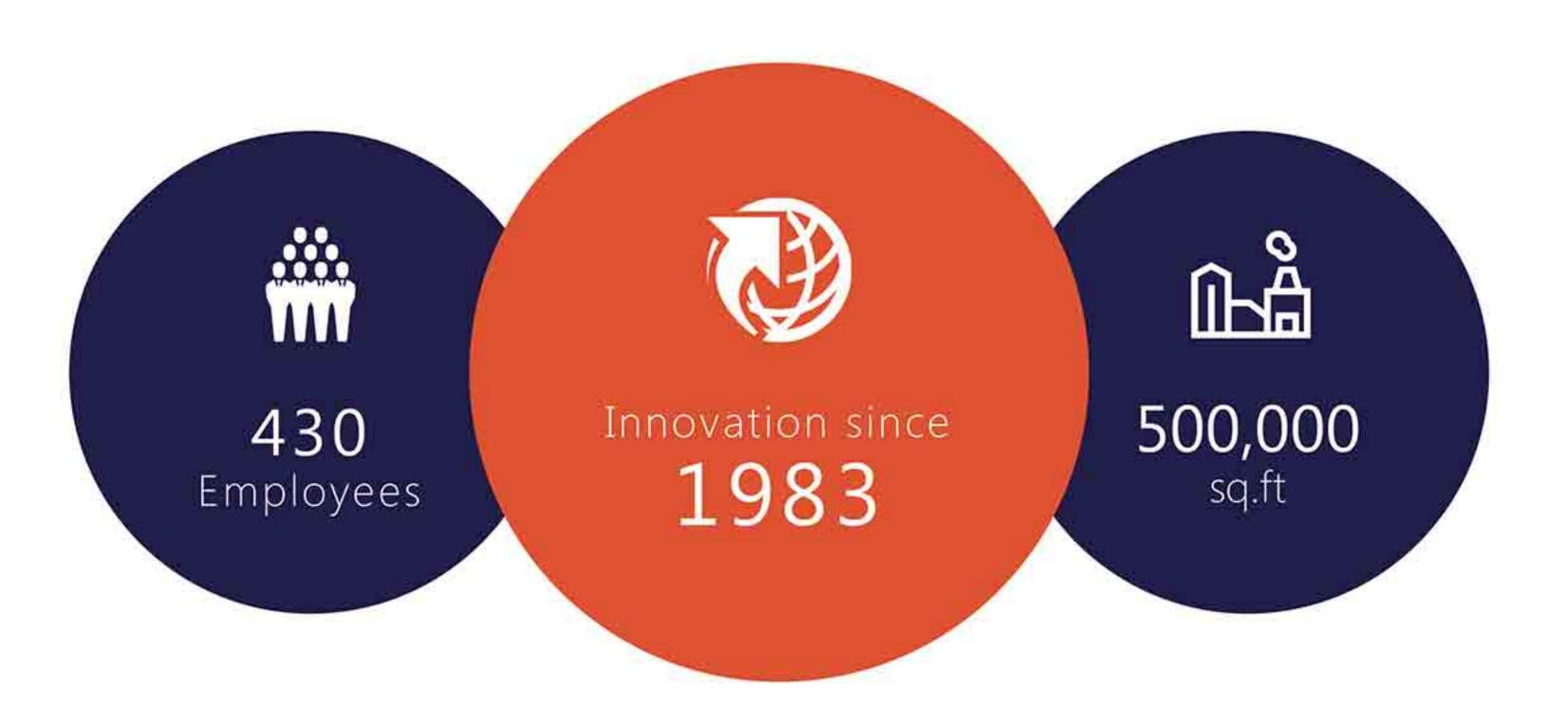


5,250 sq.ft.

5 1989 – 1994 8,900 sq.ft.

1995 – 2007 **120,000 sq.ft.**

2008 – Present 500,000 sq.ft.



We are currently operating at a headcount of more than 430 employees. In conjunction to our continuous expansion, we strategically setup our subsidiaries in various regions to provide prompt and efficient after sales services' solutions essentially to engage and enhance closer relationships with our customers. Below stated are the establishments of individual companies forming Sirijaya Group of Companies:

1995 - SNJ Lite Trading Sdn Bhd (Malaysia)

2004 - Pacific Lighting Pty Ltd (Australia)

2005 - Sirijaya Autotrans Sdn Bhd (Malaysia)

2006 - SJ Lite Singapore Pte Ltd (Singapore)

2008 - SNJ Project Sdn Bhd (Malaysia)

2009 - Sirijaya Metal Sdn Bhd (Malaysia)

2017 - SJ Lite Technology Solutions Sdn Bhd (Malaysia)







Pacific Lighting Pte Ltd



Sirijaya Autotrans Sdn Bhd



SJ Lite Singapore Pte Ltd



SNJ Project Sdn Bhd

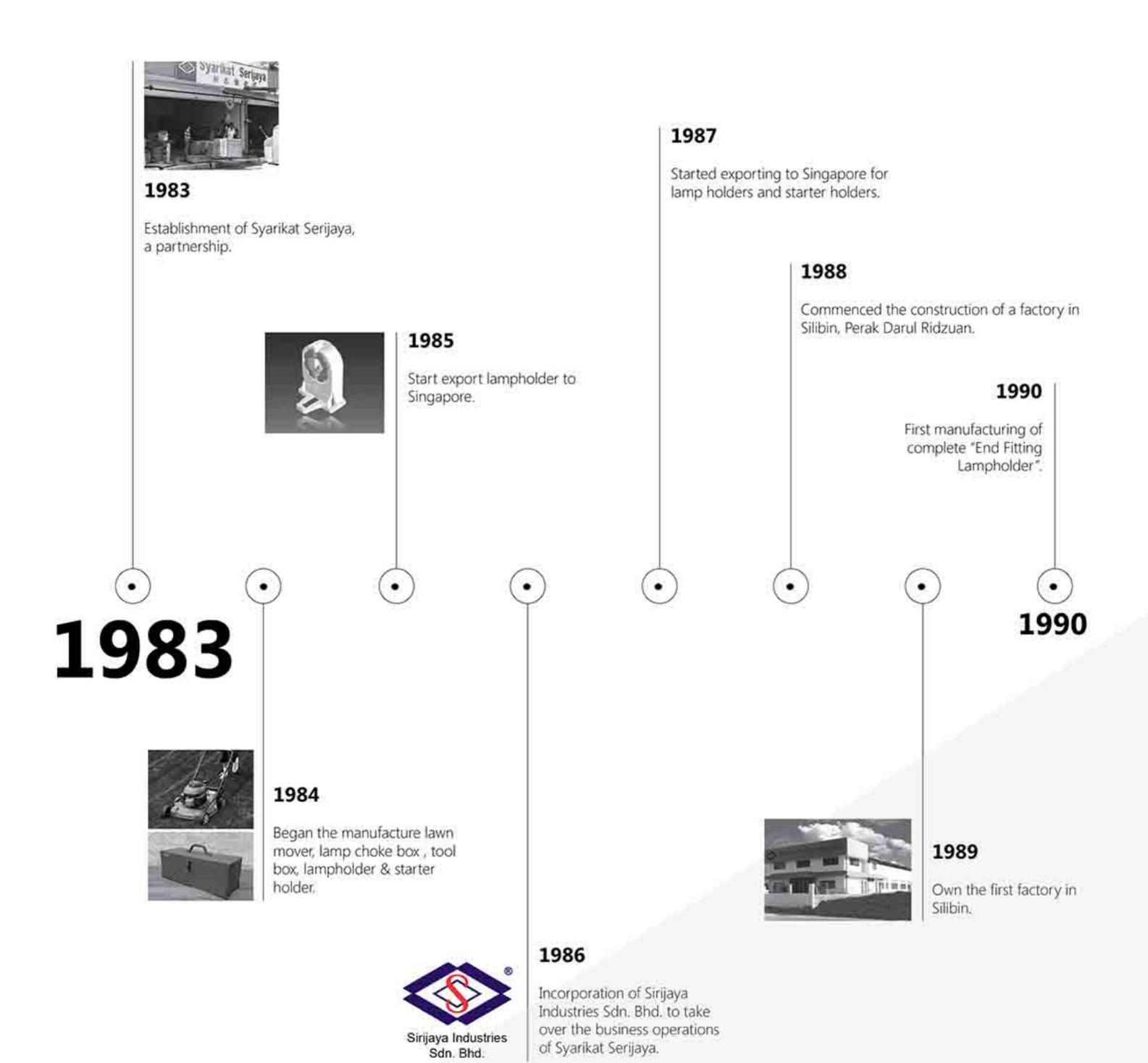


Sirijaya Metal Sdn Bhd



SJ Lite Technology Sdn Bhd

Key Milestones & Achievements



SILITE

1995

Moved to a new factory in Menglembu, Perak Darul Ridzuan with a total built-up area of approximately 38,610 sq. ft. Incorporation of SNJ Lite Trading Sdn Bhd, improvement on SJ Lite logo.

Invested in an automated electrostatic liquid coating line. Full manufacturing licensed for luminaires & roll forming batten. Invested in two 4-station Hydraulic Acorn Multi-press to cater for the process of aluminium reflector.

2000

Purchased third & fourth computerised automatic punching machines and goniophotometer to improve on the properties and design of our lighting systems.

Commenced the construction of a new factory, which was also located in Menglembu, Perak Darul Ridzuan, with a total built-up area of approximately 30,000 sq. ft.





1991

Commencement of the manufacturing of complete office fixed general purpose & recessed T8 fluorescent lighting systems.



1993

Secured our first major project for the supply of fluorescent lighting systems for use in the Sultan Abdul Aziz Shah Airport Terminal 2 in Subang, Selangor Darul Ehsan.



1997

Invested in our first automated compact punching and bending line to produce the housing for the lighting systems.

Purchased second automatic punching machine.



1999

The electrostatic liquid coating line was upgraded to automated electrostatic powder coating system.







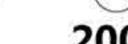


















Start export lampholder to Middle East.



Invested in a CNC EDM wire cut machine.





Invested in an automatic punching machine to manufacture multi slide connector for twin lampholder. Extended our factory in Menglembu, Perak Darul Ridzuan, providing an additional built-up area of 14,000 sq. ft. for our assembly activities.

Improvement on SJ Lite logo.

1992



Exported our first own brand lighting systems to Singapore under the brand name of "SJ Lite".



1996

First Company in Sourth East Asia to acquire a multi slide automatic punching machine to manufacture connector for magnetic ballast.



2008

Incorporation of SNJ Project Sdn Bhd.
Relocated to IGB International Industrial
Park in Chemor, Perak Darul Ridzuan, with
a total land area of approximately 1 million
sq. ft.

An independent research was conducted for a construction company in Australia, which identified our lighting system as the more efficient choice with a light output ratio of 93% compared to the next highest at 88%.

2005

Expand ed our product range by manufacturing downlights and outdoor lighting systems.

Improvement on SJ Lite logo.



2010

Completed the construction of the warehouse in IGB International Industrial Park in Chemor, Perak Darul Ridzuan with a total built-up area of approximately 500,000 sq. ft.

Invested in first laser cutting machine.



2001

Completed construction of the new factory in 2001 and we currently manufacture our plastic injection moulded lighting parts and components including lamp holders and starter holders in this new factory. Purchased fifth computerised automatic punching machine and second automated compact punching and bending line.



2007

Purchased the third automated compact punching and bending line.







2010



2002

Purchased two computerized automatic punching machines.

Started exporting to Australia.



2006

Incorporation of SJLite Singapore Pte.
Ltd. our sales and marketing arm in
Singapore. The company currently has
a warehousing facility in Ubi Link,
Singapore with a total built-up area of
approximately 15,000 sq. ft.





Incorporation of Pacific Lighting Pty. Ltd. Queensland Australia, our sales and marketing arm in Australia.

Setup SNJ sales office in Kuala Lumpur Malaysia.



2009

Incorporation of Sirijaya Metal Sdn Bhd.

Commenced the construction of corporate office and warehouse with a total built-up area of approximately 125,000 sq. ft. in the same premises in IGB International Industrial Park in Chemor, Perak Darul Ridzuan as an extension to our existing facilities.



2015

Extended our factory in IGB International Industrial Park in Chemor, Perak Darul Ridzuan, providing an additional built-up area of 11,000 sq. ft.

Invested eight high speed fully automated plastic injection moulding machines and equipped lab's Research & Development testing equipment such as dustproof/IP testing machine, drop test machine, LED light spectrum analysis machine and salt-spray test machine.

In addition, we have upgraded the powder coating booth system to increase recovery efficiencies and enhance quality consistency complying with the international standards.



2011

Expanded our product range by manufacturing T5 highbay & trunking systems.



2013

Complete the construction of new office in IGB International Industrial Park in Chemor. Expanded our product range to LED outdoor such as LED Floodlight and LED Highbay.



2011













2018





Created our first own brand SJLite LED retrofit LED Tube, LED bulb & LED MR16.

Invested in Spectroradiometer in testing facilities included EMC tester, glow wire tester and needle flame tester. Purchased the second laser cutting machine.



2012

Expanded our product range to LED Downlight & LED Panels.



2016

Expanded our product range to Cable Tray Trunking system.



Purchased fourth computerised automatic punching machine and second automated compact punching and bending line.

Business Approach

Sirijaya are always customer-oriented and offer a wide range of high quality products for your solutions and needs be it for an office, warehouse, commercial buildings, school & universities or home environment. Immediately upon receipt of your query, we listened, research, invest, develop and create the optimal design for your requirements to match your demands.



NO excuses. YOU ARE OUR VALUED CUSTOMER.

Sirijaya is a reputable manufacturer of innovative, high quality Fluorescent Light Fittings, Lamp and Starter Holders supplying to domestic and overseas markets.

Sirijaya's products meet the highest quality requirements of the relevant standards and the company has been awarded the prestigious ISO 9001 certification for the Quality System.

Value

Our competitive advantages and key strengths provide us with a strong platform to compete against other business operators, and also to facilitate business sustenance and growth.

Our competitive advantages and key strengths are as follows:

- Proprietary brands and designs
- Economies of scale
- Compliance with local and international standards
- Wide market coverage
- In-house research and development capabilities
- Ability to handle large volume
- Established track record



Impact on Environment

Taking care of the environment is a responsibility that everyone should feel accountable for.

Most of us are already aware of environmentally friendly processes such as recycling to minimise the amount of waste we produce and reduce our carbon footprint.

Sirijaya are aware of new and upcoming technologies that we can use to help reduce carbon emissions. A good example of this is LED lighting, which provides many environmental advantages.







Energy Efficient

LED lights are up to 80% more efficient than traditional lighting such as fluorescent and incandescent lights. LED lights also draw much less power than traditional lighting; a typical 84 watt fluorescent can be replaced by a 36 watt LED to give the same level of light. Less energy use reduces the demand from power plants and decreases greenhouse gas emissions.



No Toxic Elements

LED lights contain no toxic elements. Most offices currently use fluorescent strip lights which contain noxious chemicals such as mercury. This will contaminate the environment when disposed of in landfill waste. Disposal has to be arranged through a registered waste carrier so switching to LED avoids the cost and time implications required for compliant disposal – and helps to protect the environment from further toxic waste.



Less Lights Needed

LEDs have a better quality of light distribution and focus light in one direction as opposed to other types of lighting which waste energy by emitting light in all directions, often illuminating areas where light isn't required (such as the ceiling). Fewer lights will reduce energy consumption and will therefore be a benefit to the environment.



Life Span

A longer life span means lower carbon emissions.

LED Lights last up to six times longer than other types of lights, reducing the requirement for frequent replacements. This results in using fewer lights and hence fewer resources are needed for manufacturing processes, packaging materials and transportation.

Corporation Management Organization



Liew Kok Weng Group CEO Managing Director GCEO



Yong Hoi LingGroup Chief Purchasing Officer
GCPO

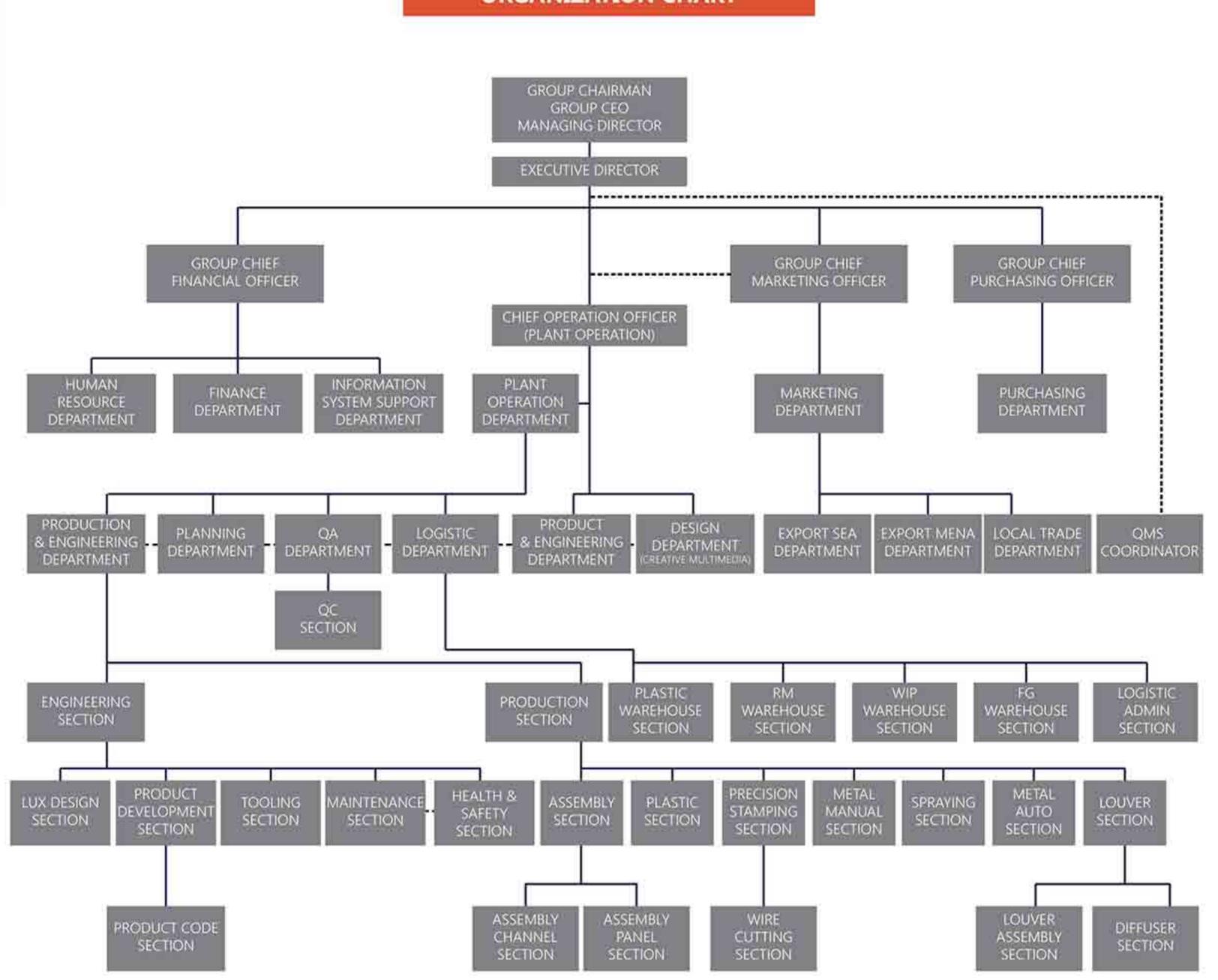


Cheong Pak Fatt
Group Chief Marketing Officer
Chief Operation Officer
GCMO/COO

SIRIJAYA GROUP STRUCTURE



ORGANIZATION CHART







Service and Structure of Offering

Business Focus

We are principally a manufacturer of our own brands of lighting systems focusing on fluorescent/LEDs lightings. In addition, we manufacture other lighting/LEDs systems as well as lighting/LEDs part and components.

Our secondary business activity is in the trading of lighting/LEDs part and components.

Target Customers

Our target customers mainly constitute intermediaries and end-user customers.

We service intermediaries comprising distributors and an agent. These intermediaries resell or distribute our lighting/LEDs systems to end-users including building owners, property developers, contractors, retailers and lighting system manufacturers.

Supplying to these intermediaries enable us to have access to a wider customer base without the need for significant investment in establishing a distribution network and logistics locally and overseas.

We also service end-user customers directly. The end-user customers whom we service include building owners, property developers, contractors, retailers and lighting system manufacturers.

A small proportion of our customers are third party brand owners, where we manufacture lighting/LEDs systems under third party brands or principals' brands or generics (no brand names) based on their specifications and requirements.

Target Markets

Our lighting/LEDs systems are applicable for various types of properties and infrastructure including:

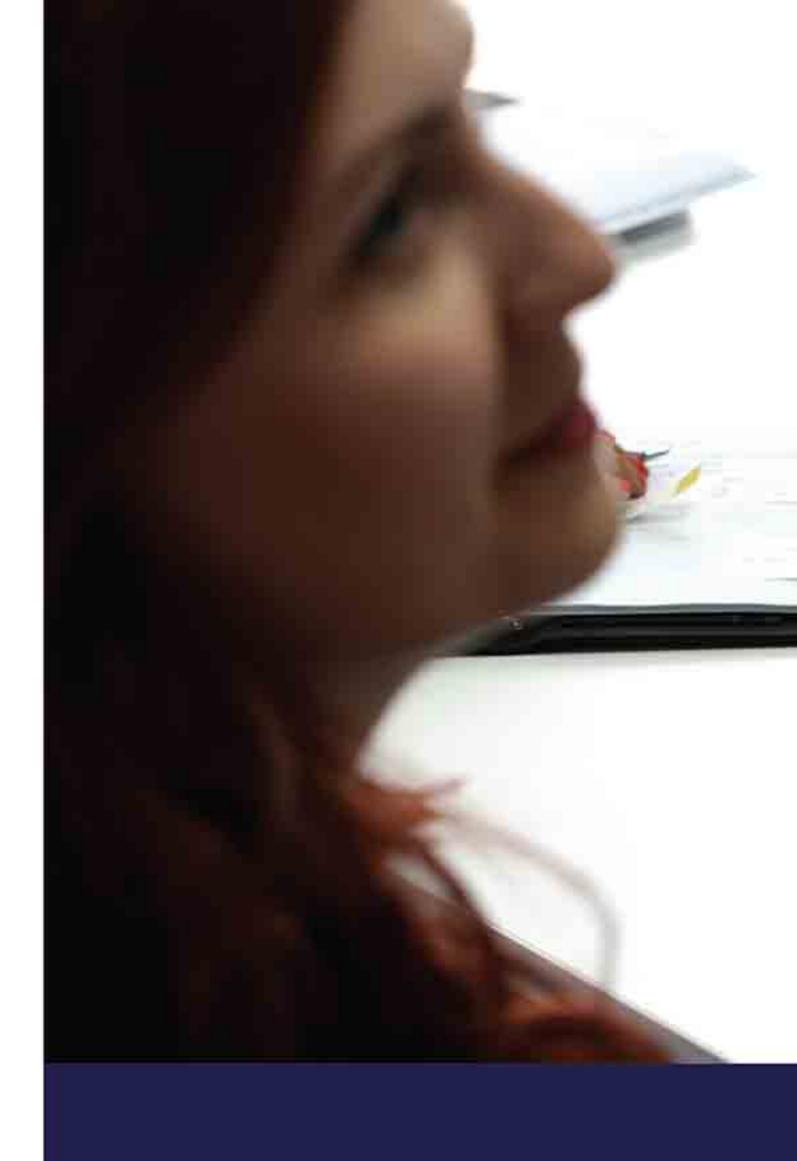
- Residential buildings
- Commercial buildings
- Industrial buildings
- Institutional buildings
- Leisure buildings
- Public amenities
- Infrastructures

Service and Structure of Offering

Competitive Advantages and Key Strengths

Our competitive advantages and key strengths provide us with a strong platform to compete against other business operators, and also to facilitate business sustenance and growth. Our competitive advantages and key strengths are as follows:

- Proprietary brands and designs
- Economies of scale
- Compliance with local and international standards
- Wide market coverage
- In-house research and development capabilities
- Ability to handle large volume
- Established track record



Principal Activities and Products

As a manufacturer of our own brands of lighting / LEDs system, our core business activities include:

- Manufacturing of lighting/LEDs system
- Manufacturing of lighting/LEDs part and components

Our secondary business activity is

Trading of lighting/LEDs part and componets.







Manufacturing of lighting/LEDs systems

Our core business is manufacturing of lighting/LEDS system.

A lighting/LEDs system is an electrical device designed to create and transmit artificial light or illumination.

A lighting/LEDs system comprises four (4) major elements as follows:

- Casing or housing
- Source of illumination including LEDs, light bulb, tube and solid-state diode
- Parts and components including ballast, capacitor or condenser, starter, electric wires, starter holder and lamp holder
- Fittings and accessories including Louvre, diffuser, reflector, wire guard and decorative items



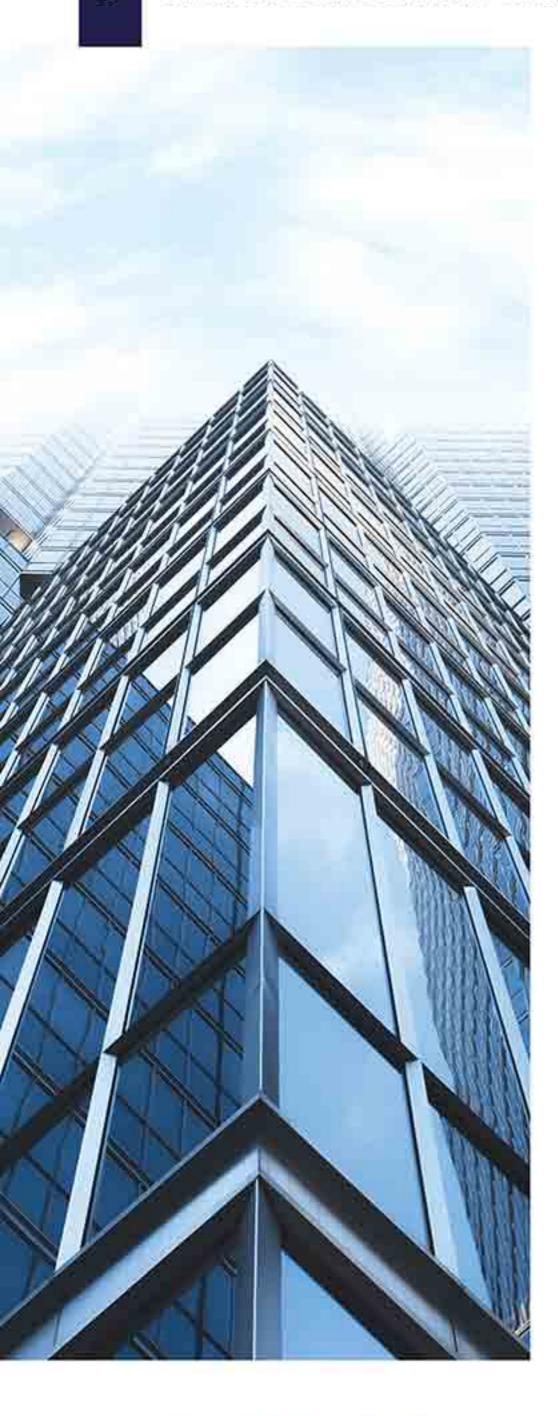
Principal Activities and Products

Extensive production facilities with three (3) automated compact flexible punching and bending lines, seven (7) automated punching and forming lines, fifty (50) plastic injection moulding machines, two (2) laser cutting machine, twenty two (22) press brake machines, five (5) hydraulic multipress machines, three (3) roller bending machines, three (3) EDM technology, four (4) roll forming machines, twenty four (24) power press machines, six (6) guillotine shearing machine, three (3) powder coating systems and two (2) axis welding robots.



Extensive quality control facilities with one (1) EMC test, one (1) spectroradiometer, one (1) goniophotometer, one (1) glow wire tester, one (1) needle frame tester, one (1) dust chamber, one (1) salt spray tester, one (1) AC grounding tester, one (1) AC/DC withstand voltage/Insulation resistance tester, one (1) power meter and one (1) Midi logger GL200 temperature tester.

Capable of handling large volume production runs.



Principal Activities and Products

We have in-house capabilities and expertise to undertake design of lighting/LEDs system, including in-house design tools such as optics and lighting lux level software to simulate light fitting angle and measurement of light output ratio, room surface reflectance and colour rendition, and CAD system to facilitate design activities including conceptualisation, and 3-D simulation of the following:

- Display virtual models of the lighting/LEDs systems to test various functional, aesthetic and safety designs.
- Able to remove or add features such as light fittings and accessories, and change the size and shape.
- Simulate how light output of a particular designed lighting/LEDs system will affect the surrounding space and the occupant so as to achieve visual comfort and energy efficiency.

Our lighting/LEDs systems can be used in diverse types of built environment including:

The applications of the lighting/LEDs system are dependent on the lighting intensity required in different areas.



- Residential properties (including houses, apartments and condominiums)
- Commercial properties (including office buildings, shopping complexes and retail outlets)
- Industrial properties (including factories and warehouses)
- Institutional properties (including hospitals and education institutions)
- Leisure properties (including hotels and resorts).







We have in-house capabilities and expertise to undertake the following activities in our manufacturing operations:

- Injection moulding and assembly various models of lamp holders and starter holders.
- Complete assembly of lighting/LEDs systems by integrating the lamp, ballast, lamp holder, starter holder and sub-components, thus, transforming into a complete electrical illuminating device.
- Assembly of sub-components or light fittings including:



Reflectors

Reflectors are designed to reflect or magnify the intensity and proper distribution of light from the lighting system. Reflectors are usually made of mirror-finished aluminium or painted mild steel. We commonly use both mirror finished aluminium and painted mild steel for our reflectors



Louvres

Louvres are shaped in the form of grilles, comprising metal or plastic strips, to create a framed opening for the lighting system. This light fitting may also double up as a reflector.

We commonly use both mirror finished aluminium and painted mild steel for our louvers



Diffusers

Diffusers are placed in the path of a lamp to reduce the glare, brightness or sharpness of the lighting system for visual comfort. This light fitting is usually made of plastic



Wire guard fittings

Wire guard fittings are designed to prevent any acts of pilferage or vandalism or accidents on the lighting system



Corrosion resistant fittings

Corrosion resistant fittings are produced from high impact resistant materials to protect the lighting system from dust, water and other environmental elements

Principal Activities and Products

Fluorescent lighting system

Fluorescent lighting refers to lighting systems that are designed to hold linear or round fluorescent lamps.

Lighting systems that are designed to hold CFL are classified as other lighting systems. Fluorescent lamps are phosphor powder coated tubes or bulbs that contain mercury.

When electricity passes between two (2) points, it excites the mercury, which produces ultraviolet lights that cause the phosphor to fluoresce (produce visible light).

We manufacture the following types of fluorescent lighting system:

- Batten lighting
- Recessed and surface mounted lighting

Fluorescent batten lighting



Fluorescent batten lighting is a rectangular-shaped box that is usually made of metal, including aluminium or steel and in some instances, Polycarbonates. However, we commonly use steel for the housing of our fluorescent batten lighting system.



A standard bare batten constitutes, one (1) or more of the parts and components consisting of lamp, lamp holder and starter holder that are visible on the fixture while other components such as ballast and wires are placed inside the housing.

The types of fluorescent batten lighting manufactured by our Group are as follows:









Fluorescent mounted lighting

Our manufacture of fluorescent mounted lighting system comprises recessed and surface mounted lighting systems.

Recessed lighting system is generally fitted into an opening of a wall or ceiling whereby the casing structure housing the ballast, starter, starter holder and lamp holder is hidden from view. In most cases, the recessed lighting system is fitted in proportion to the height of the ceiling.

Conversely, surface mounted lighting system is affixed onto the wall or ceiling instead of into the wall or ceiling, thus, the housing of the surface mounted lighting system is exposed and visible.



Surface mounted lighting systems



Recessed mounted lighting systems

The types of recessed and surface mounted lighting systems manufactured by our Group are as follows:

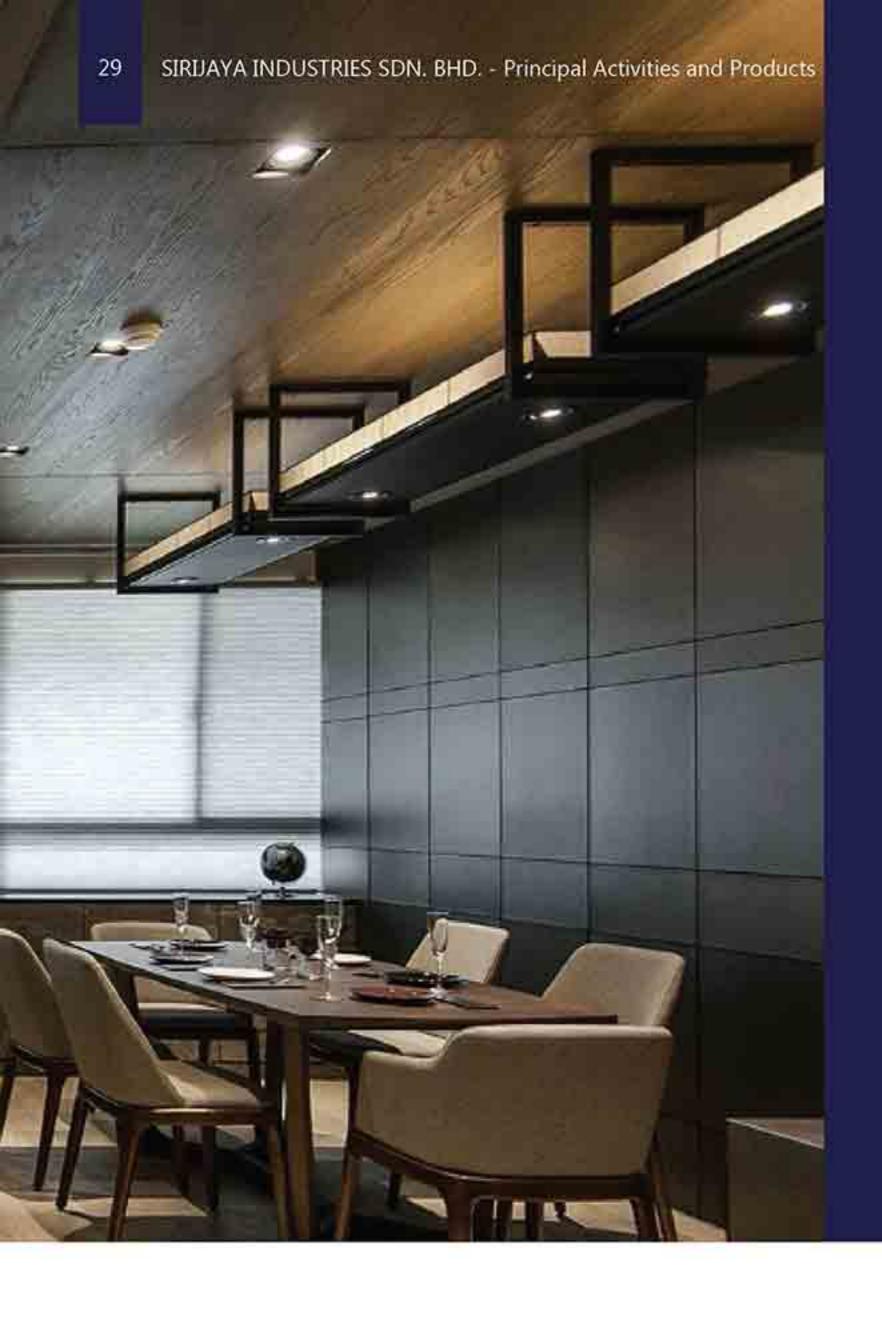












Principal Activities and Products

Other lighting systems

We also manufacture other lighting systems comprising:

- Downlight
- Industrial lightings including highbay and lowbay lightings, floodlights and street lightings

Downlight

Downlight, also referred to as spotlight, is a round or square shaped lighting system that is either recessed or surface mounted onto the wall or ceiling.

This lighting system concentrates light in a downward direction, and commonly utilises CFL, halogen or high intensity lamp as a source of illumination. Our downlights are made of cold-rolled steel or aluminium, and fitted with reflector fittings.

Our range of downlights include:

- horizontal downlight
- vertical downlight
- adjustable downlight







Industrial lighting

Industrial lighting refers to lighting system used in industrial, commercial and public areas such as factories, sports grounds, warehouses and hypermarkets. Our manufacture of industrial lighting systems comprises high bay and low bay lighting systems, floodlights and street lightings.

Highbay / lowbay lighting

Highbay lighting systems are installed in high ceiling industrial buildings, usually at heights of eight (8) to ten (10) metres, and are used for narrow or moderate lighting.

Lowbay lighting systems are installed in medium to low ceiling industrial buildings, usually at heights of four (4) to eight (8) metres, and are designed to provide a wider spread of luminous flux.

Highbay and lowbay lighting systems utilise HID lamps as a source of illumination and, as such, operate under high pressure and temperature.







Floodlight

Floodlight is a large powerful lighting device generally used for illuminating large indoor and outdoor areas such as external parameters of buildings, indoor stages, sports ground and open-air car parks. Generally, a floodlight comprises a weatherproof casing that has an internal mirror-finished reflector housing a powerful lamp. LEDs specification is available.

Following are some specifications of floodlights manufactured by our Group:

Description	ription Specifications			
Body kit	Made from die-cast aluminium			
Fitting	Wide beam symmetric light distribution reflector made of hammertone-finish anodised aluminium			
Supply voltage	240V; 50/60Hz			
Wattage	20W to 400W			

Industrial lighting

Street lighting

Street lighting refers to lighting systems used for roadways, highways, walkways and street alleys. It is usually installed on poles with overhead wiring or attached to a structure.



Following are some specifications of street lighting systems manufactured by our Group:

Description	Specifications		
Body kit	Made from die-cast aluminium		
Fitting	LED		
Supply voltage	240V; 50/60Hz		
Wattage	85W to 181W		

Manufacture of lighting/LEDs part and components

We are also involved in the manufacture of lighting/LEDs part and components including lamp holders and starter holders.

Lamp holder and starter holder

We manufacture lamp holders and starter holders primarily for fluorescent lamps.

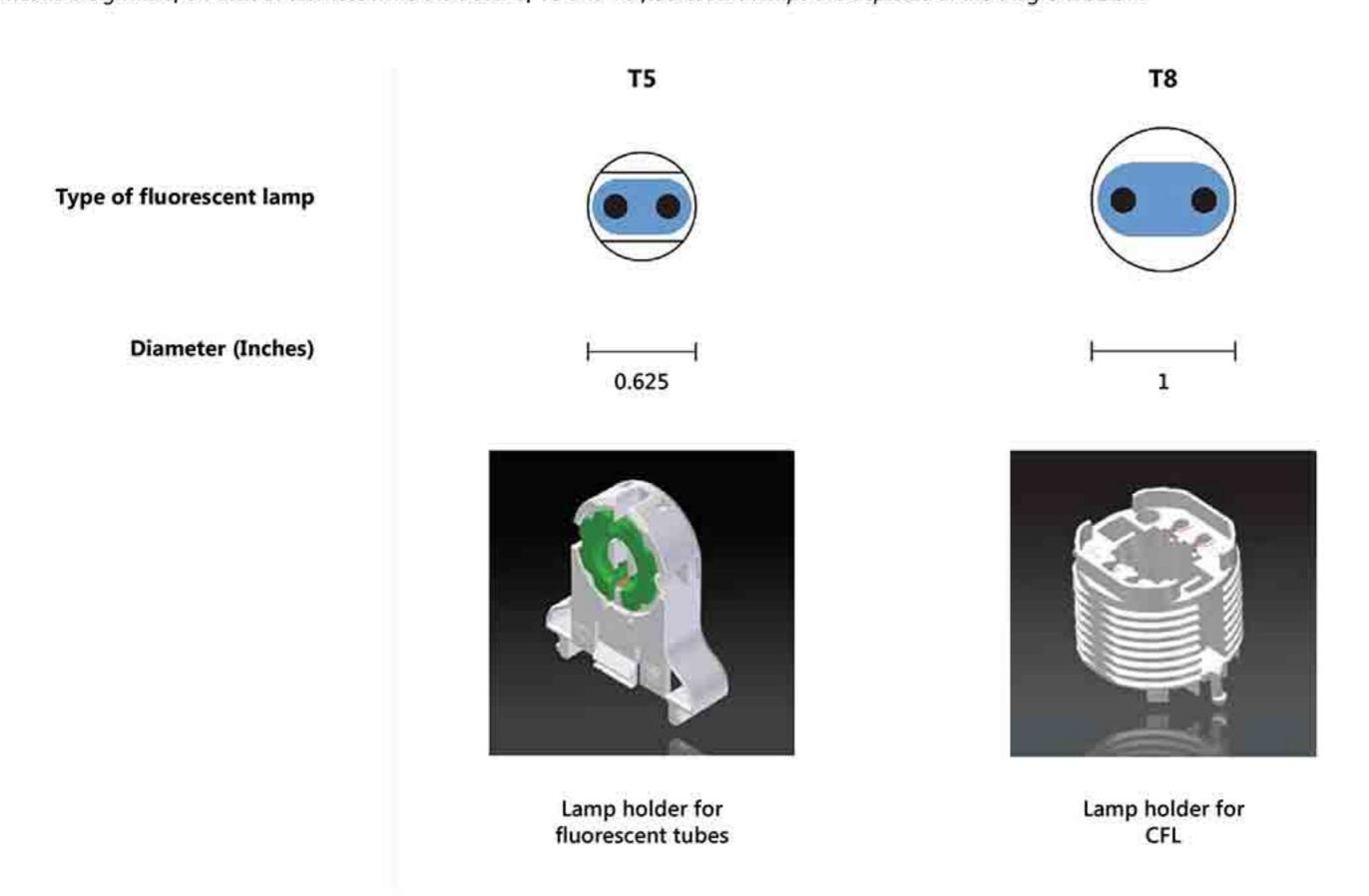
- Lamp holder: an electricity distribution and control apparatus, which acts as a connection device between the lamp and electric current, and supports the lamp in a lighting system
- Starter holder: a device that holds the starter, an electrical ignition device, and acts as a connector between the starter and lamp

Our lamp holders and starter holders are made of polycarbonates and polybutylene terephthalate materials.

- Our range of lamp holders include:fluorescent lamp holder in ten (10) designs
- Fluorescent twin lamp holder in two (2) designs
- T8 fluorescent twin lamp holder in four (4) designs
- T5 fluorescent lamp holder in 20 designs
- CFL holder in four (4) designs

Note:

The letter 'T' in T5 and T8 represents the thickness in diameter of the fluorescent lamps. For instance, T5 means 5 eighths of an inch in diameter while T8 means 8 eighths of an inch in diameter. The diameter of T5 and T8 fluorescent lamps are depicted in the diagram below:



Principal Activities and Products

Manufacture of lighting/ LEDs part and components

Lamp holder and starter holder

We are currently manufacture the following types of starter holders:



Fluorescent starter holder 3 Series



Fluorescent starter holder 4 Series

Our starter holders are able to handle a supply voltage of 2A/250V and allow a maximum permissible temperature of 110 degree Celsius.



Compliance with Local and International Standards

Our products conform to local and international standards including:

No.	License	Issuing authority	License/ Certification no.	Description
1.	ISO 9001:2008	IQNet and SIRIM	MY-AR 1547	Compliance to quality management system for the design, development and manufacture of electric luminaires, lamp holders and starter holders
2.	Product Certification Licence	SIRIM	PS008201 PS008202 PS008206 PS008208 PS008209 PS100301	Enable us to affix SIRIM certification mark or label and Malaysian Standard (MS) marking

In addition, we conform to CE Marking based on our declaration of conformity to the following standards:

- MS IEC 60598-1:2006
 (Luminaires Part 1: General requirements and tests);
- MS IEC 60598-2-1:1997
 (Luminaires Part 2: Particular requirements Section 1: Fixed general purpose luminaires); and
- MS IEC 60598-2-2:1998
 (Luminaires Part 2: Particular requirements Section 2: Recessed luminaires).

We have obtained certificates of approval from the EC and product certification licences from SIRIM for all of our in-house manufactured products for the Malaysian market which require such approval or licence.

Our compliance with MS:IEC standard approved by SIRIM is a demonstration of our ability to continually manufacture lighting systems that can meet local and international standards and requirements of our customers.

In addition, we also place significant emphasis on quality and this is reflected through our accreditation of ISO 9001:2008 quality management system.

Product quality is not only critical in helping us to maintain customer loyalty through customer satisfaction and continuing business patronage but also serve as a reference site for new customers.

Principal Activities and Products

Smart Solutions

Smart solutions incorporate functions of sensing, actuation, and control in order to describe and analyze a situation, and make decisions based on the available data in a predictive or adaptive manner, thereby performing smart actions. In most cases the "smartness" of the system can be attributed to autonomous operation based on closed loop control, energy efficiency, and networking capabilities.

Application

A growing portion of smart solutions are created for consumer use, including connected vehicles, home automation/smart home, wearable technology, connected health, and appliances with remote monitoring capabilities. Smart solutions are a part of the larger concept of home automation, which can include lighting, heating and air conditioning, media and security systems. Long term benefits could include energy savings by automatically ensuring lights and electronics are turned off.

Advantage of

Smart Solutions



Lower Consumption



Greater Efficiency



More Efficient Audits



Smart Solutions

Product Range:



Lighting

Smart lighting is a lighting technology designed for energy efficiency. This may include high efficiency fixtures and automated controls that make adjustments based on conditions such as occupancy or daylight availability.



Gateway

A network gateway may contain devices such as protocol translators, impedance matching devices, rate converters, fault isolators or signal translators as necessary to provide system interoperability. It also requires the establishment of mutually acceptable administrative procedures between both networks.



Environment

The concept of smart environments evolves from the definition of ubiquitous computing that, according to Mark Weiser, promotes the ideas of "a physical world that is richly and invisibly interwoven with sensors, actuators, displays, and computational elements, embedded seamlessly in the everyday objects of our lives, and connected through a continuous network,



Control

A remote control or clicker is a component of an electronic device used to operate the device from a distance, usually wirelessly.



Accessories

A smart thing which can be added to something else in order to make it more useful, versatile, or attractive.



Principal Activities and Products

Cable Support System

Advantage of

Cable Support System



Flexibility



Simplicity



Lower Installation Cost Sirijaya Metal Sdn Bhd is a reliable manufacturer and supplier of electrical cable support systems. Our history begins in 2009 when our parent company, Sirijaya Industries Sdn Bhd decided to venture its business into cable support systems in view of strong demand by their existing customers. Sirijaya Industries Sdn Bhd has been a well-established fluorescent light fittings manufacturer for more than 30 years. The products were well accepted by local and foreign customers. As the customers confident level grew, many of them began to recommend us to produce other ancillary products to supplement our light fixtures.

A high quality cable support system is critical to reduce the cost impact of installation and increase the ability to quickly implement moves, add and change. They maintain the integrity of your cabling infrastructure so as to maximise performance.

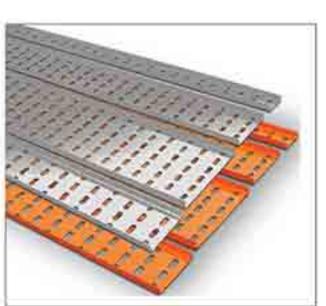
Sirijaya Metal Sdn Bhd started to design, fabricate and market our Epoxy Coated Cold Roll Steel metal trunk, under the brand of SJ Trunk. Presently, we supply metal trunk from SWG24 to SWG16 with various dimensions for customers to choose from.

Our cable trunk quality has been recognised by SIRIM and JKR. The certificates are available to be downloaded from our website at the "Authority Approval Page."

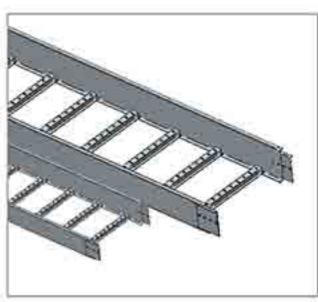
Sirijaya Metal Sdn Bhd introduced a wide range of new heavy-duty anti-corrosion cable support products. Our main objective is to serve our existing and future customers on the highest level.

One of our biggest strength is our versatility to meet customers demand in fabricating customised designed cable support products for various applications. Our state of the art machines and skilful design team provide value added services to customers, especially if special designed cable support systems were required to cater for distinctive installation condition.









Policies of Research and Development

Through R&D, we aim to realize the following benefits:

- Sustain and grow our business through the development of new products including LED lighting system and electronic ballast
- Increase revenue and profitability
- Sustain our competitive advantages
- Lower our cost of production through improvements in processes.

Our policies on R&D are focused on assisting us to create and sustain our competitiveness in the market. They include the following:

Research & Development status

Through our in-house R&D efforts, we have successfully manufactured a range of products including:



- of products including:
- **Products** Description No. 1. Fluorescent/LEDs lighting Fluorescent/LEDs batten lightings Fluorescent/LEDs recessed and surface mounted systems lightings 2. Downlights, Other lighting/LEDs Industrial lightings comprising high bay / low bay systems lighting, floodlight and street lighting 3. Lamp holders Lighting/LEDs part and Starter holders components Magnetic ballasts Connecting devices
- Product improvement and enhancement including development of new products to address areas of growth and opportunities as well as continuous improvement on existing products to ensure customer satisfaction; and



 Continuous internal process improvement to increase our production output and efficiency.





In addition, we have obtained certificates of registration for industrial designs for the following products:

Type of products	Registration no.
Display screen equipment louvres	MY 02-00004
Display screen equipment louvres (II)	MY 02-00453
Display screen equipment louvres (III)	MY 02-00452
Reflector fitting	MY 03-00560

Furthermore, our lighting systems was subjected to an independent research that was conducted in 2008 for a construction company in Australia to determine if our lighting system was suitable for a commercial building in Northbridge, Australia.

The research identified our Group's lighting system as the more efficient choice with a light output ratio of 93% compared to the next highest at 88%.



Product Quality and Quality Assurance



We place significant emphasis on product quality and adhere to stringent quality standards.

This is reflected by the fact that our subsidiary, Sirijaya Industries Sdn. Bhd. is accredited with the following quality management system:

 ISO 9001:2008 Certified by IQNet and SIRIM (certification number: MY-AR 1547), which is valid from 6 November 2013 to 5 November 2016;

In addition, we conform to CE Marking based on our declaration of conformity to the following standards:

MS IEC 60598-1:2006

(Luminaires – Part 1: General requirements and tests)

MS IEC 60598-2-1:1997

(Luminaires – Part 2: Particular requirements – Section 1: Fixed general purpose luminaires)

MS IEC 60598-2-2:1998

(Luminaires – Part 2: Particular requirements – Section 2: Recessed luminaires).

Furthermore, our Group has obtained the following product certification licences from SIRIM:

Subsidiary	Licence no.	Products	Complying with
Sirijaya Industries Sdn. Bhd.	PS008201	 Lamp holders for tubular Fluorescent lamps and starter holders 	MS IEC 60400:1999
Sirijaya Industries Sdn. Bhd.	PS008202	 Fixed general purpose luminaires 	MS IEC 60598-1:2006, MS IEC 60598-2-1:1997
Sirijaya Industries Sdn. Bhd.	PS008206	 Recessed luminaires 	MS IEC 60598-1:2006, MS IEC 60598-2-2:1998
Sirijaya Industries Sdn. Bhd.	PS008208	 Connecting devices with screw-type and screw less-type 	IEC 60998-1:1990, IEC 60998-2-1:1990, IEC 60998-2-2:1991
		Clamping units	
Sirijaya Industries Sdn. Bhd.	PS008209	 Emergency lighting luminaires 	MS 619:PT.102: SEC.102.22:1985
Sirijaya Autotrans Industries Sdn. Bhd.	PS100301	 Ballasts for tubular Fluorescent lamps 	MS 141:PT. 2:1993 MS IEC 61347-1:2003 MS IEC 61347-2-8:2003



The product certification license enables us to affix the following marks on our products:

- SIRIM certification mark or label; and
- Malaysian Standard (MS) marking.

Product quality is not only critical in helping us to maintain customer loyalty through customer satisfaction and continuing business patronage but serve as a reference site for new customers.

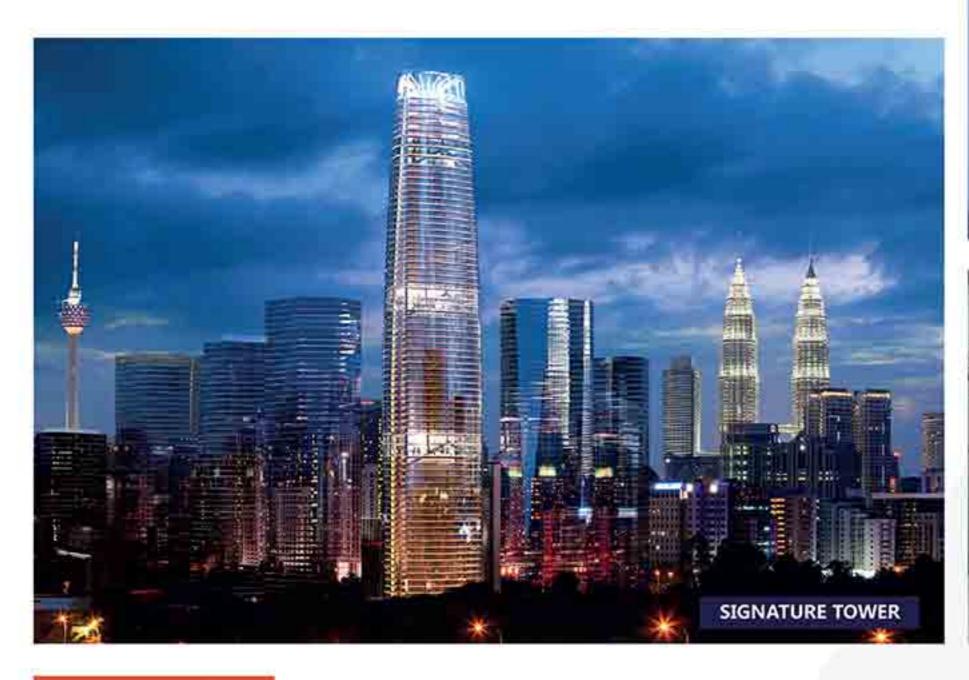
Geographical Footprint







Project References List







MALAYSIA

RETAILS project

AEON
AEON BIG
COLD STORAGE
ECONSAVE
GIANT
PARKSON
TESCO
TESCO EXTRA
MYDIN

VILLAGE GROCER SPORT DIRECT

AEON MAX VALUE

INDEX LIVING MALL WELLNESS MYNEWS

COMMERCIAL/FACTORY project

SIGNATURE TOWER
CALSBERG SHAH ALAM
HEINEKEN MALAYSIA BERHAD (PJ)
YEO'S SHAH ALAM
ICON CITY PETALING JAYA
H2O ARA DAMANSARA
LADANG TANJUNG
LAKEPARK RESIDENCE KL NORTH
LAKEVILLE RESIDENCE TAMAN WAHYU
THE EDGE USJ
ECO SKY JALAN KUCHING

NISTANS, ALOR GAJAH MELAKA

CANON FACTORY SHAH ALAM

ECO SANCTUARY KOTA KEMUNING

SAKAMOTO BANTING

HUAWEI TECHNOLOGIE MALAYSIA SDN BHD

SUNWAY VELOCITY KL AUSTIN HILL JOHOR TM CYBERJAYA

PROTON PCOE SHAH ALAM

ABITRADE, NILAI KOI PRIMA, PUCHONG MENARA KEN TTDI

KJM ALUMINIUM CAN FACTORY

MK20 MONT KIARA SEKITAR PAHASE 2 UTROPOLIS GLENMARIE VOLVO SHAH ALAM COCA COLA NILAI F&N SHAH ALAM

ICI PAINT (MALAYSIA) SDN. BHD. MID VALLEY BOULEVARD (OFFICE)

MID VALLEY SHOPPING MALL & THE GARDEN

IKANO DAMANSARA SHAWN PARADE KL YOU CITY, JALAN CHERAS MID FIELD 2, SUNGAI BESI SAVANNA BANGI

EDMARK INDUSTRIES SDN BHD, PUCHONG AMKOR TECHNOLOGY MALAYSIA SELANGOR

PADINI FACTORY SHAH ALAM

CCM PHARMA
MTM KLANG
FIRST SOLAR, KULIM

RAPID PETRONAS PACKAGE 20 PENGEREANG JOHOR UOA BANGSAR SOUTH COMMERCIAL-HORIZON PHASE 2 FLEXTRONICS TECHNOLOGY (MALAYSIA) SDN BHD

PLEXNUS FACTORY MATTEL, PENANG MOTOROLA, PENANG

EPSON PRECISION (JOHOR) SDN BHD

JOWAT MANUFACTURING

IBM CYBERJAYA
UMW, KULAI
3C5 MAYLAND AVENUE
LYNAS, GEMBANG
TOKUYAMA, BINTULU
SHELL U VILLAGE

ICI PAINTS (MALAYSIA) SDN BHD MALAYSIA MILK JIN KAPAR

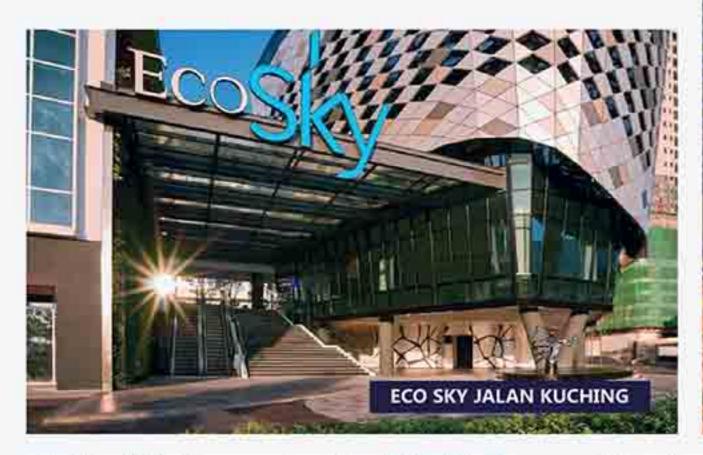
F&N BEVERAGES MARKETING SDN BHD SHAH ALAM

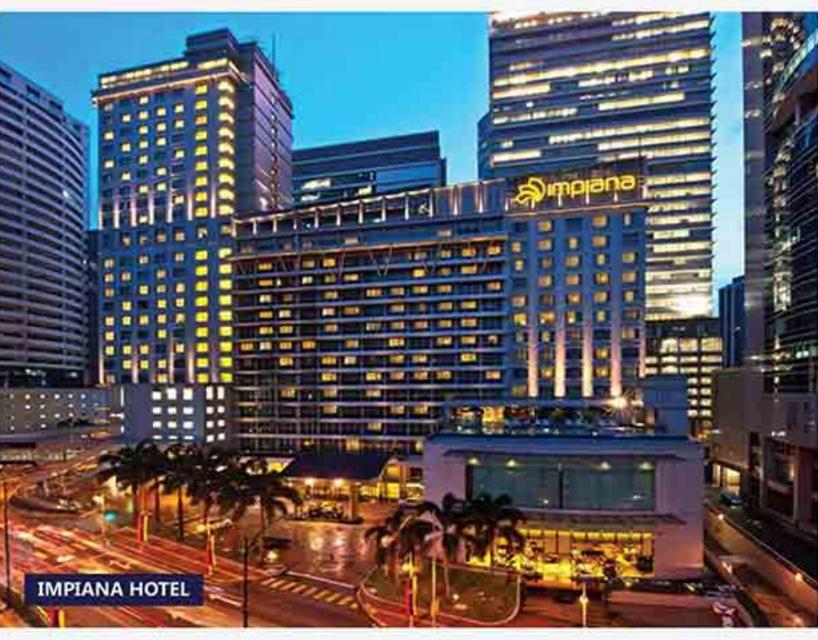
FACTORY THOSCO FACTORY WAI MING CHAN FACTORY CCM

SME-2

UOA BANGSAR SOUTH MENARA BINJAI HEWLETT PACKARD WISMA PUTRA DHL CAR SHOWROOM –

TOYOTA, HONDA, SUZUKI, PERODUA, NISSAN









UNIVERSITY/COLLEGE/SCHOOL project

UTHM PAGOH JOHOR & BATU PAHAT
SUNWAY UNIVERSITY
KOLEJ KOMUNITI
SMART SCHOOL PUTRAJAYA
INTERNATIONAL SCHOOL PUTRAJAYA
KDU UNIVERSITY COLLEGE
UNIVERSITY TECNOLOGY PETRONAS
CURTIN UNIVERSITY
UNIVERSITI TEKNOLOGI MARA
TARC COLLEGE
UNIVERSITY COLLEGE TECKNOLOGY SARAWAK

AIRPORT project

SUBANG AIRPORT TERMINAL 2 KKIA INTERNATIOINAL AIRPORT TERMINAL SENAI AIRPORT JOHOR BAHRU

HOTEL/RESORT project

PLATINIUM VICTORY KLCC
HILTON HOTEL KL SENTRAL
LE MERIDIEN HOTAL KL SENTRAL
TROPICA AVENUE, KOTA DAMANSARA
MARINA SANTUARY RESORT
TRADER HOTEL
IMPIANA HOTEL

GOVERNMENT project RMAF SUBANG

PUSAT PENTADBIRAN BARU KERAJAAN JOHOR, NUSAJAYA PUTRAJAYA 4G10 & 4G11
PUTRAJAYA 2M10 & 2M11
NCI PUTRAJAYA
PUTRAJAYA PRECINT 15
PUTRAJAYA PRECINT 17
PUTRAJAYA PRECINT 11
PUTRAJAYA PRECINT 9
PUTRAJAYA PRECINT 8
PUTRAJAYA 2G3 & 2G4
PUTRAJAYA 3G2
PUTRAJAYA PARCEL E
CONVENTION CENTRE PUTRAJAYA
PUTRAJAYA PARCEL Z

LOT 4G3, PRECINT 4 PUTRAJAYA

HOSPITAL project

HOSPITAL RAJA PERMAISURI BAINUM, IPOH KUALA TERENGGANU SPECIALIST HOSPITAL HOSPITAL MATERNITY KUALA TERENGGANU HOSPITAL SUNGAI BULOH HOSPITAL PUTRA JAYA HOSPITAL MATERNITY KUALA TERENGGANU HOSPITAL KUALA LUMPUR HOSPITAL LIKAS KOTA KINABALU HOSPITAL ADVENTIST

Project References List









SINGAPORE

SHOPPING MALL project

PLAZA SINGAPORE
GIANT VIVO CITY
PARAGON SINGAPORE
JUNCTION TEN SHOPPING CENTRE

RESIDENTIAL project

THE CANOPY EXCUTIVE CONDOMINIUM
WATER COLOURS EXCUTIVE CONDOMINIUM
GILSTEAD RD CONDOMINIUM
NIN RESIDENCE CONDOMINIUM
FOUR SQUARE RESIDENCES
RIVERSAIL CONDOMINIUM
SORRENTO CONDOMINIUM
STARLIGHT CONDOMINIUM
NORTH WOOD CONDOMINIUM
THE SOUND CONDOMINIUM

COMMERCIAL/FACTORY project

FUSIONPOLIS PHASE 5 PAYA LEBAR SQUARE

3M FACTORY @YISHUN AND WOODLAND UTAC CLEANROOM CHEMICAL FACTORY S9 @SERANGOON NORTH AVE 4 CT HUB 1 & 2 WORKERS DORMITORY @ TUAS VIEW WORKERS DORMITORY @ PULAU PUNGGOL TIMOR LODGE 1B 3 DEPOT CLOSE OFFICE BUILDING STATS CHIPS PAC @YISHUN RAFFLES CITY TOWER TAMPINES ONE **EXXON MOBILE OFFICE** ICES BUILDING MEIJI SEIKA FACTORY NEC . VISA @SING POST

HOSPITAL project

TAN TOCK SENG HOSPITAL
YISHUN HOSPITAL
SINGAPORE GENERAL HOSPITAL
NATIONAL CENTER FOR INFECTIONS DISEASES (NCID)







UNIVERSITY/SCHOOL project

JURONG SECONDARY SCHOOL
NGEE ANN POLYTECHNIC
NUS, UNIVERSITY TOWN EDUCATION
RESOURCES CENTRE
AUSTRALIAN INTERNATIONAL SCHOOL
PUNGGOL PRIMARY SCHOOL
DUMAN SCHOOL
RAFFLES GIRLS SCHOOL
SINGAPORE SPORT SCHOOL

HOTEL project

SHANGRI-LA HOTEL IR MARINA BAY SINGAPORE FLYER MARINA BAY

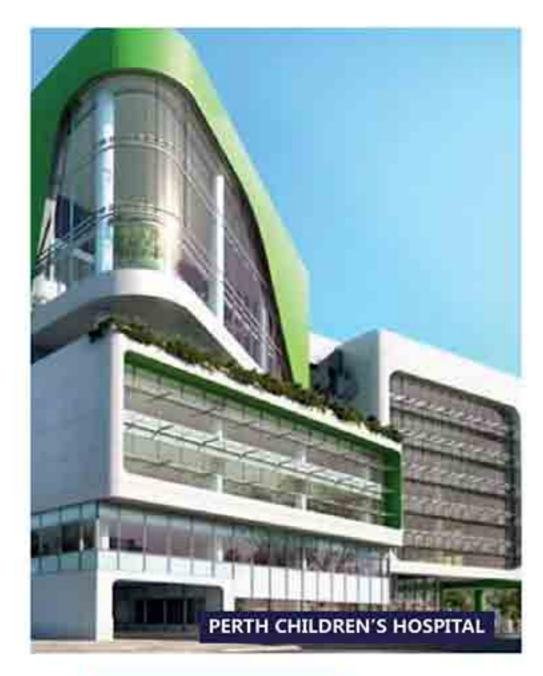
GOVERNMENT project

SUNGEI GEGONG CAMP
ARMY CAMP
STAGMONT CAMP
KRANJI CAMP
MRT STATION
TRAIN STATION – WOODLAND
HDP
JURONG SUBSTATION
SAFTI MI

AIRPORT project

CHANGI AIRPORT

Project References List











AUSTRALIA

SCHOOL project

CHRISTCHURCH GRAMMAR UPGRADE KALGOORLIE STAGE 2 DCS MENU BOARD CHURCHLAND SENIOR HIGH SCHOOL AXON GERALDTON SENIOR COLLEGE DOUBLEVIEW PRIMARY SCHOOL CARNAVON EMMANUELLE STAGE 2 OUR LADY OF GRACE **NEW TRANSPORTABLES BESPOKE CURTIN** KALGOORILE BOULDER CHS STAGE 1 TRANSPORTABLES WOOREE MIYA WOMENS REFUGA BUILDING EMMANUELLE CHRISTIAN COMMUNITY SCHOOL KOROWA GIRLS SCHOOL, MELBOURNE JINIBURA SCHOOL, BRISBANE

HOSPITAL project

PRINCE ALFRED HOSPITAL CARPARK PERTH CHILDREN'S HOSPITAL

COMMERCIAL / FACTORY project

DARLING HARBOUR LIFE
GERALDTON TAFE HUB
RED CASTLE
BUSSELTON
37 ST GEORGES TCE
81 ST GEORGES TCE
ROCKHAMPTON FACTORY, BRISBANE
METCASH WINE FACTORY
CITY WEST POLICE, SYDNEY, AUSTRALIA
150 COLLINS ST, MELBOURNE, AUSTRALIA

171 COLLINS ST, MELBOURNE, AUSTRALIA
AUSTRALIA POST, SYDNEY, AUSTRALIA
QV1, PERTH, AUSTRALIA
POLARIS
SW1 (A)
32 NORTHBRIDGE TURBOT St.
53 ALBERT St.
545 QUEEN St.
WESTRAIL TRAIN STATION
POLICE BARRACK
CHANCELLOR SHOPPING CENTRE

RESIDENTIAL project

DISCOVERY POINT

HOTEL / RESORT project

ERNEST JOHNSON COMMONWEALTH GAMES VILLAGE

AIRPORT project

PICC BRISBANE AIRPORT PERTH AIRPORT

ALGERIA

TIMMIMOUN FIELD DEVELOPMENT PHASE I-III

AZERBAIJIAN

SOCAR AMMONIA AND UREA COMPLEX PHASE I & III

NEW ZEALAND

WAKATIPU SCHOOL
FISHER AND PAYKEL FACTORY & OFFICE
ORMISTON COLLEGE SCHOOL
ARANUI & ROLLESTON SCHOOL
SOURTHERN DHB HOSPITAL

KUWAIT

KNPC CFP-MAB 2

VIETNAM

HOSPITAL project

MIEN DONG HOSPITAL SOUTH SAIGON HOSPITAL

HOTEL / RESORT project

CROWN HOTEL
TAN SON NHAT HOTEL
DAO XANH HOTEL
NGHI SON HOTEL
NOVOTEL
SAO VIET HOTEL
MERCURE HOTEL

AIRPORT project

CAM RANH AIRPORT











BANK project

VIETCOMBANK
VIBANK
NAM A BANK
ACROWEL FACTORY
RADIAN FACTORY
TCIE FACTORY
NGUYEN LAMP FACTORY
INTEL FACTORY

RESIDENTIAL project

CANTAVIL PREMIER APARTMENT PHU MY HUNG DEVELOPMENT

COMMERCIAL / FACTORY project

WILMAR FACTORY
HAI DUONG MEDICINE FACTORY
TIGER OFFICE
HUD TOWER
EVERICH BUILDING
SONADEZI BUILDING
VINACONEX BUILDING
FPT BUILDING
VI GROUP BUILDING

UNIVERSITY / SCHOOL project

BRITISH UNIVERSITY VIETNAM HONG BANG UNIVERSITY NORTH AMERICA SCHOOL

PAKISTAN

AZGARD NINE TAIGA APPAREL

BRUNEI

BRUNEI AIRPORT

MYANMAR

OCEAN SUPERCENTER

MACAU

VENETIAN COTAL

PHILIPPINIES

NATIONAL UNIVERSITY ANNEX BUILDING

OMAN

OMAN POLICE STATION

SRI LANKA

SHANGRI-LA COLOMBO PHASE 1- KITCHEN / CAR PARK

KEGALLE/KIRIBATHKUMBRA/PADUKKA-POWER PLANT

UNIVERSITI OF COLUMBO-FACULTY OF GRADUATE STUDIES

WORLD TRADE CENTER

AYURWEDA HOSPITAL

BORRELLA COLOMBO

RAMADA HOTEL

DEVELOPMENT BUIDLING

NEW NAWALOKA MEDICAL CENTER

FREE LANKA CAPITAL TOWER IN

NORTH EAST POWER TRANSMISSION

AITKEN SPENCE PRINTING FACTORY

ICSA BUILDING RATNAPURA HOSPITAL

ASIRI HOSPITAL

HSBC BANK

EGYPT

ERC REFINERY PHASE II & VI

Significant Company Awards

Our customer as well as industrial specialists and business person have praised our Company's professionalism and solidity, evidenced in many prizes and awards which Sirijaya has been awarded, in particular:



















Awarded Accreditation & Recognition Photos





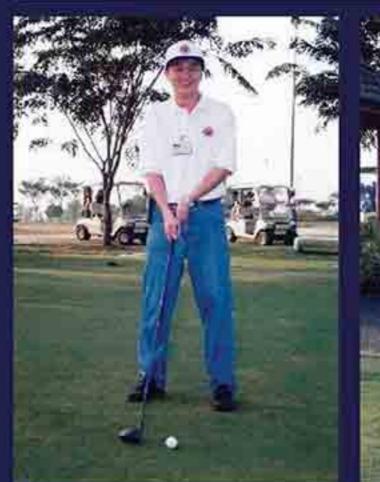
Company Group Photos

15TH ANNIVERSARY

Reference Photos









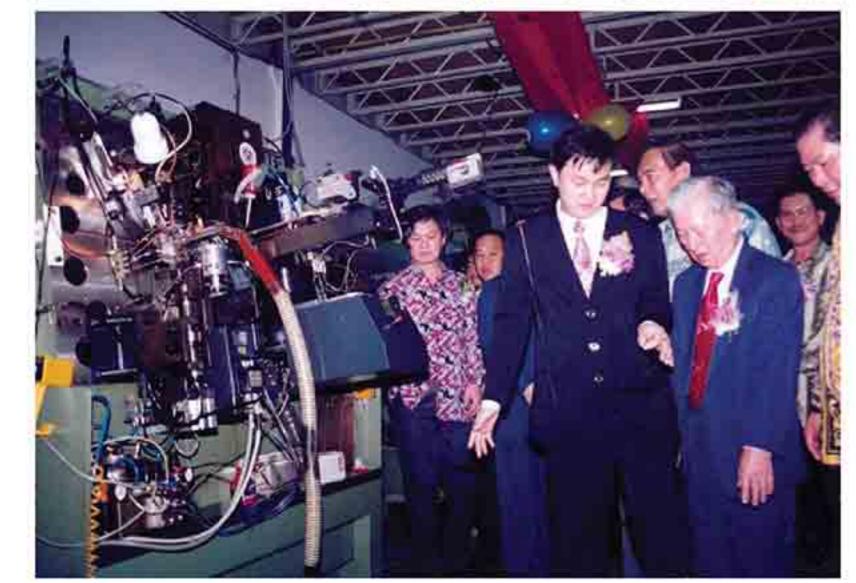




















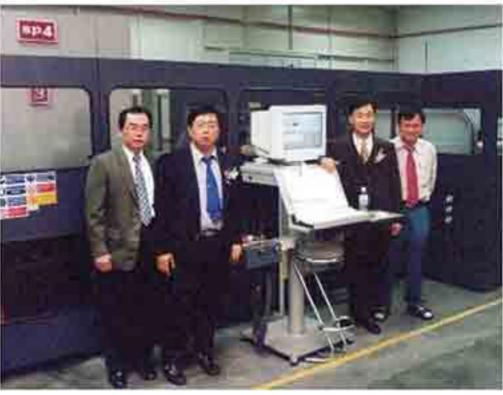




















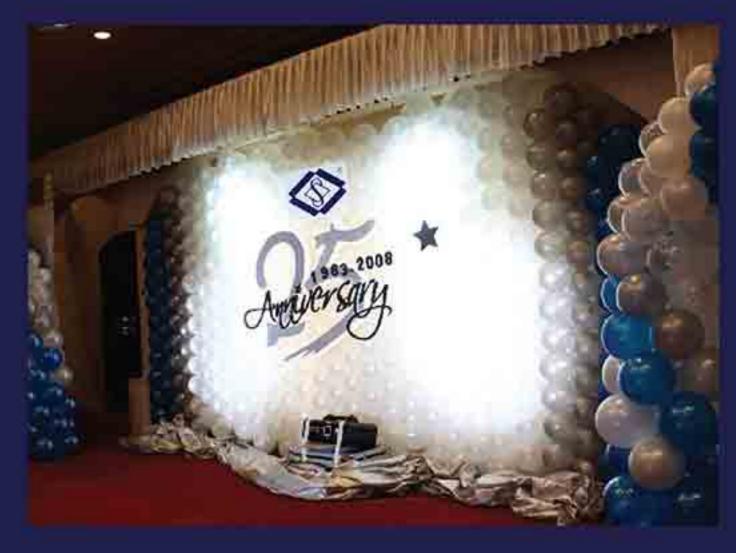




Company Group Photos

25TH ANNIVERSARY

Reference Photos



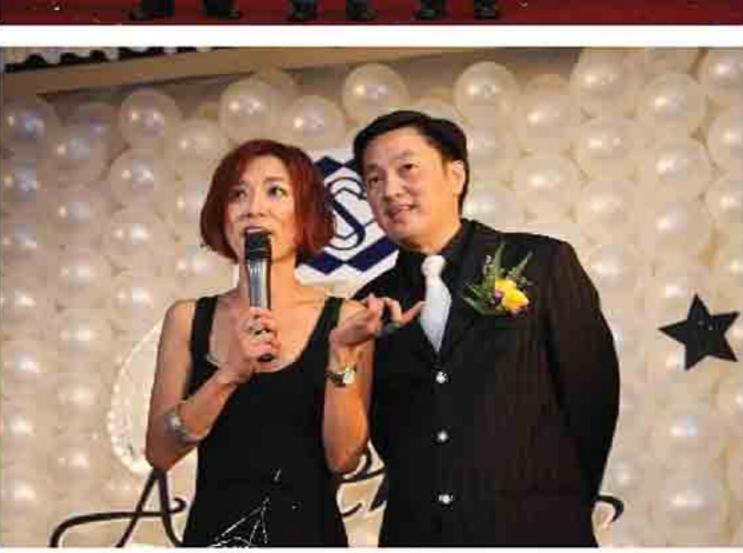






































Company Group Photos

SIRIJAYA OFFICE

Staff & Production Supervisor































Branches

www.sirijaya.com

(Malaysia's subsidiaries / factories)

SIRUAYA INDUSTRIES SON. BHD.

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Fax: +605-2912221, 2912222 E-mail: marketing@sirijaya.com Website: www.sirijaya.com

(Malaysia's sales & marketing)

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Fax: +605-2912221, 2912222 E-mail: marketing@sirijaya.com Website: www.sirijaya.com

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E-mail: marketing@sirijaya.com

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SJLITE SINGAPORE PTE. LTD. (Co. No. 200609376-E)

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Tel: + 65-68443887 Fax: +65-67443886

E-mail: sjlite@singnet.com.sg





SIRIJAYA HOLDINGS BERHAD (Co. No. 926496-T)

No. 9, Lebuh Perusahaan Klebang 9, IGB International Industrial Park, 31200 Chemor, Perak Darul Ridzuan, Malaysia.

Tel: + 605-2923888 (Hunting Line), 2912223, 2912224, 2912225, 2912226, 2912227, 2912228 Fax: +605-2912221, 2912222 E-mail: marketing@sirijaya.com



Your partner in lighting technology

