

Talk on “Understanding True Cost of LED Lighting System & IOT System for Smart Lighting Application” With Testing & Application Experience and Technical Visit

Organised by the Consulting Engineering Special Interest Group, IEM

BEM Approved CPD/PDP Hours: 3 Ref No: IEM18/HQ/481/T

Date : 24th November 2018 (Saturday)
Time : 9.00 am – 1.00pm
Venue : No 9, Jln Anggerik Mokara 31/60,
Kota Kamuning Section 1,
40460 Shah Alam. Selangor.
Speaker : Mr. Siew Choon Thye (C. T. Siew)

TIME	PROGRAMME
08:30am – 09:00am	Registration
09:00am – 10:00am	Understanding True Cost Of LED Lighting System
10:00am – 10:15am	Tea Break
10:15am – 11:45pm	IOT System For Smart Lighting Application
11:45pm – 12:30pm	Testing & Application Experience – Factory Visit
12.30pm	End of Session

SYNOPSIS

UNDERSTANDING TRUE COST OF LED LIGHTING SYSTEM & IOT SYSTEM FOR “SMART LIGHTING APPLICATION”

The LED component cost is only one facet of the design and production cost for solid-state lighting (SSL) system. Other factors that impact the overall cost, performance, and lifetime of general lighting products include the suitability of components for the lighting application.

The solid-state lighting (SSL) industry has focused on LED component cost as the key to lower upfront costs for broader SSL adoption. Still, there can be hidden system-level costs and reliability issues tied to the selection of LED components, which SSL developers must understand to deliver products that, perform well at installation and throughout an extended life.

With the rapid development of LED lighting, players are now focusing on Lighting with the introduction of LED as a new light source. Most of them are from electronic based manufacturing company extension LED as another light source. They have little experience on lighting application. Hence not all manufacturers are competent and reliable, and they do not understand the method of measurement and calculation on the professional lighting application.

IOT SYSTEM FOR “SMART LIGHTING APPLICATION”

IOT is acronym for Internet of Things. The Internet of Things refers to the ever-growing network of physical objects that feature an IP address for internet connectivity, and the communication that occurs between these objects and other Internet-enabled devices and systems.

“Sense, Connectivity, Data management and Engage” Smart Lighting intelligent solution that uses lighting integrated with control module and software to give you greater control and automation of your lights.

Smart lighting solutions using networked technology represent an interesting opportunity for cities or communities that want to get smarter. The key benefits are: huge reduction of energy and maintenance cost and increased public safety.

Come and explore how the IOT system can help you save

- huge reduction of energy and maintenance cost
- increased public safety from improved lighting
- safer traffic due to increased visibility of hazards;
- measurable environmental impact due to reduced energy consumption

COMMITMENT FEE
(Non refundable & Non transferable)
IEM Member: RM50.00
Non Member: RM70.00

BIODATA SPEAKER



Mr. Siew Choon Thye (C. T. Siew) has more than 20 years history of leadership and governance positions in lighting manufacturing, application and businesses for the professional lighting sectors. His activities primarily include Lighting Design Application, Lighting Product Development, Engineering and installation of various types of lightings application such as; Sport –Stadium, Port, Architectural Facade and Public Street Lighting. He is a member of the SIRIM TC Lighting committee and several working group on MS standard. He was the founding Chairman of CIE and Lighting Council Malaysia (MyCIE & NCCIE) and is currently the Div 5 – Head.

In addition to the Lighting Industry, Mr. C.T. Siew is a Managing Director of Gruppe Lighting Solution Sdn. Bhd. Specializing in lighting manufacturing and application on Public lighting, Sport lighting, & industrial lighting. Mr. C.T. Siew is actively and deeply involved in the Malaysia government standards development and activities related to lighting and is a Deputy President of The Electrical and Electronics Association of Malaysia (TEEM) Council of MyCIE & NCCIE – Malaysia – International Commission on Illumination. Mr. C.T. Siew has a degree in Manufacturing graduated in 1990.

Ir. Vignaeswaran Shanmuganathan

Chairman,

Consulting Engineering Special Interest Group, IEM

- The visit is strictly limited to only **thirty (30) participants** registered on a first come first pay basis.
- Interested members could register and pay online at IEM website <http://www.myiem.org.my>; OR register by returning the appended registration form by **20th Nov 2018** together with the payment.
- Cheques are to be made payable to **"The Institution of Engineers, Malaysia"**.
- **The commitment fee must be settled prior to the visit.**
- After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- Members are also reminded that if a place is reserved, IEM may cancel the reservation if payment is not received.
- If IEM maintained the reserved seat and the intending participant failed to attend the visit on the date of the event, the fee will still have to be settled in full.

- REPLY SLIP -

Phone No: 03-79684001/02 Fax: 03-7957 7678 -

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I wish to participate in the above visit on **24th November 2018**. I enclosed herewith a cheque No.....for the amount of RM..... as my commitment fee for the talk & visit.

Name: Membership:

Grade: Contact Number:

Company Name:

Address:

I will be participating in the visit on my own risk and hereby indemnity fully the IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
Date

.....
Signature