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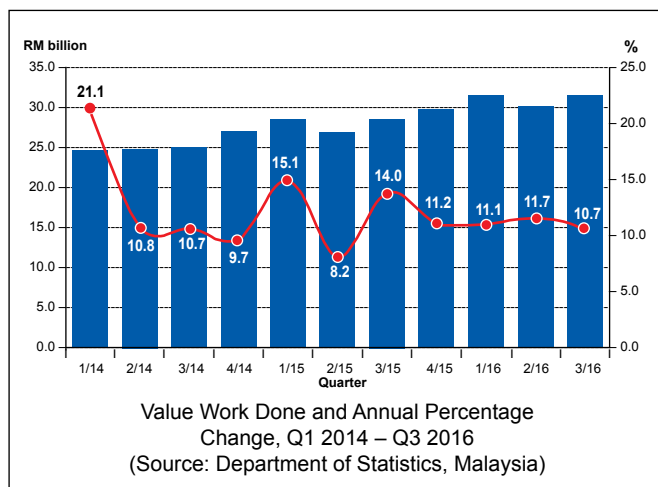
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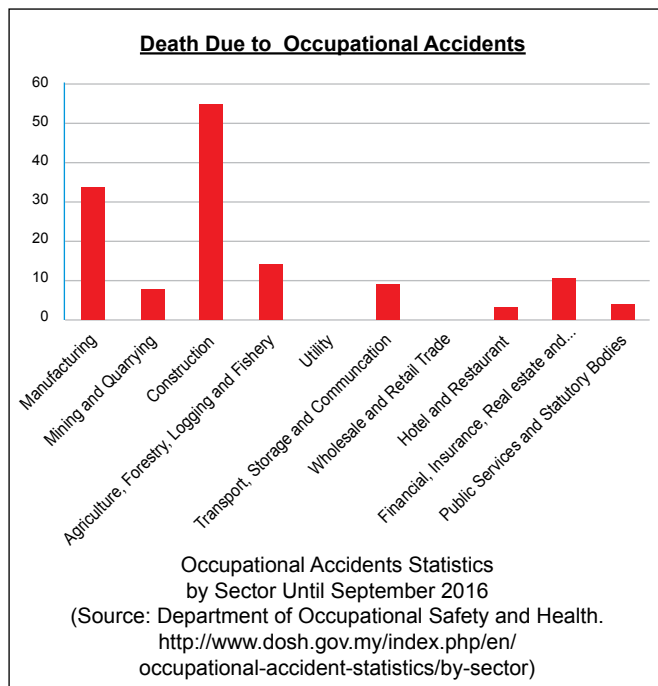
TEEAM Specialised Group – Engineering Construction & Services

By the Chairman, Ir Chang Yew Cheong

Construction industrial remained as the fastest growing economic contributor in Malaysia, and the value of construction work done grew by a 10.7 per cent year-on-year basis to hit a record of RM31.9 billion in the third quarter of 2016 (Source: Release Data, 10 Nov 2016, Department of Statistics, Malaysia). Other than the already completed projects such as MRT Line 1 and LRT Extensions, the other upcoming projects include MRT Line 2, the DASH Highway, High Speed Rail (HSR) and many other development projects focused at the KL City Centre. We can readily notice construction work everywhere, especially when we are driving into the City Centre.



Whenever we pass through the City Centre, the heavy cement trucks moving in and out from the bustling construction sites, the towering cranes moving overhead as our cars are moving under the gigantic framework structures, are indeed a strong indication yet of a vibrant and robust construction segment. However, are we really safe when we are driving through those heavy construction areas? According to



the Occupational Accidents Statistics until September 2016, a total of 55 people met their untimely deaths due to construction accidents. This is the highest number recorded thus far. Other occupational areas include the Manufacturing sector which involved the handling of different kinds of machinery in the manufacturing plants.



Ir Chang Yew Cheong
changyewcheong@gmail.com

Construction accidents also include the recent case which happened on 30th November 2016 at KL Eco City near Mid Valley Megamall, Kuala Lumpur. A pedestrian bridge structure, when hoisted, collapsed and toppled sideways, and caused one dead and nine injured. On 4th November 2016, the construction machinery collapse at Meru, Klang caused two people to be instantaneously killed when it fell onto their passing car. On 25th August 2016, a giant crane hook fell on top of a car in Jalan Raja Chulan, Kuala Lumpur, instantaneously killing the car driver during the evening rush hour. Couldn't those accidents have been avoided altogether? What went wrong? And, why so many construction-related accidents and all in such a short span of time?

Actually there are a few Acts under the Department of Occupation Safety and Health, such as the Factories and Machinery Act (Act 139), Occupational Safety and Health Act (Act 514) which are applicable here. Besides that, the CIDB Act 1407, Sections 34B (1) (c) and 34D (1) states that any Contractor found negligent in such circumstances which caused the death, is liable to a fine not exceeding RM500,000 or to imprisonment for a term not exceeding two years, or to both. Is our current legislation not sufficient to penalise the culprits or is it that the Contractors are likely to take short-cuts by blatantly ignoring the safety requirements and get away scot-free? Is the enforcement too lax? As a responsible Contractor, we need to always put the safety of work as the first priority and to never ever compromise on that come what may.

Under the Engineering Construction and Service Group, we received numerous complaints from members regarding the issue of Multiple



Gruesome sight! Heavy construction machinery collapsed and fell onto a passing car, instantaneously decimating two innocent occupants. It could have been us!

(Photo: News Straits Time Online, 30 Nov 2016)

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New Members

The following new members have been approved and accepted by the TEEAM Council (as at 26th October 2016). A warm welcome to all the new members and special appreciation is extended to those who introduced these new members. For those who are not yet members.....why wait? Join us and find out how our Association can offer our services to you.

Delta Prima Metering Sdn Bhd No. 8, Jalan Biola Satu 33/1A, Elite Industrial Estate, Seksyen 33, 40400 Shah Alam, Selangor Darul Ehsan. Tel: +603-5525 8196 Fax: +603-5525 8195 E-mail: info@deltaprima.com.my Website: www.deltaprima.com.my Contact Person: En Abdul Malek Mohd Salleh <i>Business: Manufacturing of smart meters (AMI/AMR), portable test set, and battery charger.</i>	庭辉节能供应有限公司 Ecosparks Illuminations Sdn Bhd E-5-03, Capital 5, Oasis Square, No. 2, Jalan PJU 1A/7A, Ara Damansara, 47301 Petaling Jaya, Selangor Darul Ehsan. Tel: 1700-81-9968 Fax: +603-7496 7968 E-mail: sales@ecosparks.com Website: www.ecosparks.com Contact Person: Mr Derick Tan <i>Business: LED lighting solution.</i>
Mal-Autronics Sensor Sdn Bhd Unit No. 613 & 614, Block A, Kelana Business Centre, 97, Jalan SS 7/2, Kelana Jaya, 47301 Petaling Jaya, Selangor Darul Ehsan. Tel: +603-7805 7190 Fax: +603-7805 7193 E-mail: malaysia01@autonics.com Website: www.autonics.com.my Contact Person: Mr William Soo Ling Tian <i>Business: Trading business in electronic items of sensor & controller.</i>	Mobicon-Remote Electronic Sdn Bhd No. 19, Jalan PJS 3/59, Sri Manja Square 2, Taman Sri Manja, 46000 Petaling Jaya, Selangor Darul Ehsan. Tel: +603-7783 2257 Fax: +603-7783 4316 E-mail: jasmond@mobicon.com.my Website: www.icmaster.com.my Contact Person: Mr Jasmond Chooi <i>Business: Electronic components retailer.</i>
Nihon Superior Asia Sdn Bhd Unit No. 5, Level 13A, Block 5, Menara VSQ @ PJ City Center, Jalan Utara, 46200 Petaling Jaya, Selangor Darul Ehsan. Tel: +603-7932 5875 Fax: +603-7931 5892 E-mail: info@nihonsuperior.com.my Website: www.nihonsuperior.co.jp Contact Person: Mr Ten Kean Fong <i>Business: Manufacturing and sales of solders and soldering fluxes.</i>	STE Electrical Sdn Bhd No. 34, Jalan Layang-Layang 5, Bandar Puchong Jaya, 47100 Puchong, Selangor Darul Ehsan. Tel: +603-5880 8660 Fax: +603-5880 8662 E-mail: steelectricalsdbnd@gmail.com Contact Person: Mr Lim Chin Siong <i>Business: Electrical wholesale.</i>
TNB Integrated Learning Solution Sdn Bhd - ILSAS Jalan IKRAM-UNITEN, 43650 Bandar Baru Bangi, Selangor Darul Ehsan. Tel: +603-8922 7222 Fax: +603-8926 4437 E-mail: infoilsas@tnb.com.my Website: www.tnbilsas.com.my Contact Person: Encik Faisal Mansor <i>Business: Training, human resource planning & development, electrical supply, technical services & consultancy.</i>	Yeap Sang Yee No. 11, Jalan Sungai Air Putih 1/3, Bandar Baru Air Putih, 11000 Balik Pulau, Pulau Pinang Tel: +604-613 5476 Fax: +604-643 4404 Mobile: +6012-481 9828 E-mail: sang-yee.yeap@osram-os.com <i>Business: Application engineer.</i>



..... Continue TEEAM Specialised Group – Engineering Construction & Services

Safety Passports required by their clients. They were to obtain it from the National Institute of Occupational Safety and Health (NIOSH). For example, if their clients were from Telekom Malaysia, TNB, Maybank, Nestle, Syabas, etc, then they would need to apply separate Safety Passports (for each Company involved) to fulfill the client's requirements in order to enter into the construction sector. To obtain the Safety Passport, each worker was required to attend a separate Training Course. The Course Fees ranged from RM190 to RM265 per person. With the Multiple Safety Passport requirement, a Contractor needs to more spend time and more money to send each of their Staffs for the respective Training to obtain the Multiple Safety Passport. With this time-consuming pressing issue, TEEAM ECS (Engineering Construction and Service) Group made the proactive initiative to meet NIOSH Officers, to propose to harmonise/standardise the Multiple Safety Passport application issue. Thus, any worker with the Common Safety Passport would be able to enter the different clients' workplaces HASSLE-FREE. However, TEEAM ECS's win-win proposal was outrightly rejected by NIOSH. This then opens the floodgate. Will the NIOSH-Nestle Safety Passport be

different from the NIOSH-Maybank Safety Passport, and so on for the rest of the Clients? Will the different kinds of Multiple Safety Passports actually help to reduce the increasing accident rate?

In the recent TEEAM Membership Sub-Committee meeting, TEEAM President Ir Chris Chew reminded all attendees to increase the TEEAM membership numbers to achieve 2020 before May 2017. With this noble objective, the President requested each TEEAM Group to run its own Membership Recruitment Drive (MRD) by identifying respective potential members to join TEEAM. I hope that all our Construction Members can help us to achieve this noble objective by introducing your esteemed suppliers and your esteemed clients who are in electrical and electronic industry to come join us and make TEEAM an even stronger Association, in order to better represent our industry. Your pro-active effort will also help to bring our united voices to our government's attention with a view to pursue more speedy win-win outcomes for all.

Last but not least, I would like to wish all of you Merry Christmas 2016 and a Happy New Year 2017!



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IGEM 2016

The 6th International Greentech & Eco Products Exhibition in Malaysia (IGEM 2016) was held from 5th to 8th October 2016 at the Kuala Lumpur Convention Centre. IGEM 2016 received great support from the industry as well as from the general public. Themed “Green Business for Sustainability”, the green exhibition aimed to position Malaysia as a Green Technology Hub for the ASEAN Region and at the same time to create awareness on the importance of developing a greener environment.

The show was co-organised by the Ministry of Energy, Green Technology and Water Malaysia (KeTTHA) and the Malaysian Green Technology Corporation (GreenTech Malaysia). It was supported by numerous local and overseas organisations including TEEAM. It was officiated by YB Datuk Seri Panglima Dr Maximus Johnity Ongkili (KeTTHA Minister). This four-day event attracted a full house of 350 exhibiting companies and organisations hailing from twenty different countries, with five country pavilions, namely, Europe, China, Japan,

Korea and Spain. It captured over 33,000 visitors from all around the world – a grand event indeed.

Highlights of the exhibit profiles included Green Car Showcase, Photo-voltaic Systems Solutions and Products, Application on Reusable Materials, Smart Energy Management Systems, and various other Eco-products & Services. The 4-day Green Industry event included a wide array of activities ranging from Industry-centric Workshops & Conferences, Pocket Talks, Business Consultations and also Business-Matching Programmes.

It was a good platform for green product buyers and sellers to safely interact, transact and readily forge new partnerships and cross-border collaborations, all housed under one roof.

The upcoming IGEM 2017 will be held from 11th to 13th October 2017 at the Kuala Lumpur Convention Centre. For more information about the show, please log on to www.igem.my.



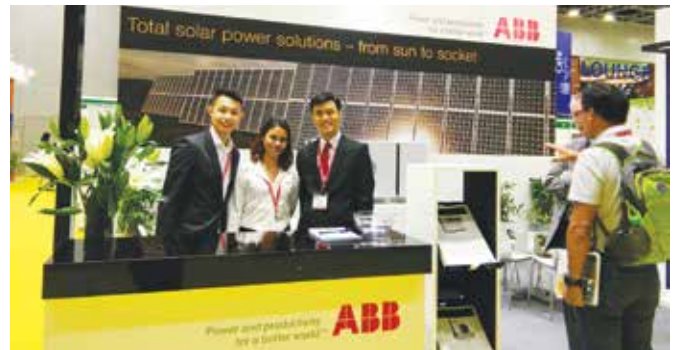
Official Opening – Officiated by (centre) YB Datuk Seri Panglima Dr Maximus Johnity Ongkili (KeTTHA Minister).



At the GreenTech Booth – Showcase of the latest ground-breaking Electric Vehicles.



Overwhelming visitors – A cross-section of the sprawling exhibition hall.



Good turnout – Participation from one of the industry giants, ABB.



Networking – (from left) Mr Melvin Shu (Membership Chairman of MACEOS), Ms Lorela Chia (Chairman of SAMENTA Central Region) and Mr Suresh Kumar Gorasia (TEEAM International Affairs Chairman & Past President).



Fully supportive – Pekat Engineering presence at IGEM 2016.

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Bowling Tournament 2016

It was a great afternoon for bowlers vying for the TEEAM Bowling Championship 2016 on 20th November 2016, which was held at the Sunway Pyramid Mega Lane, Petaling Jaya. There were 74 Male Bowlers and 47 Female Bowlers who actively took part in the singles event. From a whopping 121 TEEAM participants, thirteen teams were formed for the team event, which consisted of three Male Bowlers and one Female Bowler per team. The participants really enjoyed the Bowling Games. Without doubt, it has certainly fostered a better relationship among TEEAM members, and served well to promote the spirit of fellowship and camaraderie.

The tournament winners are as announced on page 89.



Getting ready – Energetic Bowlers from Gruppe Lighting, readying for action!



Before the games – Players eagerly queuing-up to collect bowling shoes at the counter.



Let's roll! – TEEAM Sports Chairman, Mr Liang Kok Boon, officially rolled off the event.



Men's Singles Champion – (right) Mr Azman Wahid (Sunway) receiving the Chi-Tak Challenge Trophy, a Replica and AEON Cash Vouchers from Ir. Chew Shee Fuee KMN (TEEAM President). He scored 985 pins in total.



Ladies' Singles Champion – Ms Norashikin Alladdin (Sunway) receiving the Chi-Tak Challenge Trophy, a Replica and AEON Cash Vouchers from Ir. Chew Shee Fuee KMN (TEEAM President). She scored a grand total of 660 pins to clinch the Championship.



Overwhelming response – 121 Bowlers vied for the TEEAM Bowling Championship 2016.



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..... Continue Bowling Tournament 2016



Success's strong support – A big applause to Success's staffs for their participation.



For the album – Excited players from Omron Electronics.



Cheerio! – The event was happily capped off with a group photo of winners and officials.



Enthusiast contingents – Bowlers from City-Lite Letrik making their mark at the Games.



2nd Runner-Up, Team Event – Winners from Schneider Electric receiving a Trophy and Umbrellas from (2nd from left) Ir Chew Shee Fuee KMN (TEEAM President). The winners are (from left) Mr Woon Swee Keong, Mr Teoh Wooi Keat, Ms Michelle Woo and Mr Chong Chin Yen.



Team Event Champion – (2nd from left) Ir Chew Shee Fuee KMN (TEEAM President) presented a Trophy and AEON Cash Vouchers to the Champion Team from Sunway. The team's total pin fall was 3502. Winners are (from left) Mr Azman Wahid, Mr Ajah Maiden, Mr Norris Burhanuddin and Ms Norashikin Alladdin. On the right is Mr Ling Kok Boon (TEEAM Sports Chairman).



Thank you – (left) Ir Chew Shee Fuee KMN (TEEAM President) presenting a Certificate of Appreciation to Mr Liang Kok Boon of Chi-Tak Electrical (Sel) for sponsoring T-shirts for the Bowlers.



Moral support – Mr C T Siew (Council Member) was present to cheer for his staff at the Championship.





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Congratulations to Our Bowlers

Men's Singles Event

Champion

Azman Wahid
Sunway Construction Sdn Bhd
Chi-Tak Challenge Trophy + Replica
+ AEON Cash Voucher of RM 300

1st Runner-Up

Saharin Tuah
Indkom Engineering Sdn Bhd
AEON Cash Voucher of RM 250

2nd Runner-Up

Alias Ahmet
Indkom Engineering Sdn Bhd
AEON Cash Voucher of RM 200

4th Prize

Gallen Loh Yee Hin
Omron Electronics Sdn Bhd
AEON Cash Voucher of RM 150

5th Prize

Ajah Maiden
Sunway Construction Sdn Bhd
AEON Cash Voucher RM 120

6th Prize

Shukri Omar
Omron Electronics Sdn Bhd
AEON Cash Voucher RM 100

7th Prize

Daniel Chan Yoong Kean
Jumbohan Marketing Sdn Bhd
AEON Cash Voucher RM 80

8th Prize

Norris Burhanuddin
Sunway Construction Sdn Bhd
AEON Cash Voucher RM 80

9th Prize

Mazrizal Mazalan
Indkom Engineering Sdn Bhd
AEON Cash Voucher RM 60

10th Prize

Pan Kin Yew
Success Electronics & Transformer
Manufacturer Sdn Bhd
AEON Cash Voucher RM 60

11th Prize

Chen Man Kwan
Active Hi-Tech Engineering Sdn Bhd
AEON Cash Voucher RM 60

12th Prize

Muhammad Hazim Alias
Success Electronics & Transformer
Manufacturer Sdn Bhd
AEON Cash Voucher RM 60

High Games

Norris Burhanuddin
Sunway Construction Sdn Bhd
Umbrella

High Series (Games 1, 2, 3)

Teoh Wooi Keat
Schneider Electric Industries (M) Sdn Bhd
Umbrella

High Series (Games 4, 5, 6)

Suci Rasmo
City-Lite Letrik Sdn Bhd
Umbrella

20th Position

Tang Kok Quan
Success Electronics & Transformer
Manufacturer Sdn Bhd
Umbrella

30th Position

Fazril Izerin Azlan
Success Electronics & Transformer
Manufacturer Sdn Bhd
Umbrella

40th Position

Bryan Lee Yong Kong
Straits Design Sdn Bhd
Umbrella

50th Position

Nor Azham Baharum
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60th Position

Ng Lean Foong
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Ladies' Singles Event

Champion

Norashikin Alladdin
Sunway Construction Sdn Bhd
Chi-Tak Challenge Trophy + Replica +
AEON Cash Voucher of RM 250

1st Runner-Up

Michelle Woo
Schneider Electric Industries (M) Sdn Bhd
AEON Cash Voucher of RM 200

2nd Runner-Up

Yong Sim Min
Omron Electronics Sdn Bhd
AEON Cash Voucher of RM 150

4th Prize

Anisah Sharif
Gruppe Lighting Solution Sdn Bhd
AEON Cash Voucher of RM 100

5th Prize

Wan Nurulasyikin Selipoh Bahari
City-Lite Letrik Sdn Bhd
AEON Cash Voucher of RM 80

6th Prize

Wan Nuraini Wan Md Nor
Ampmech Industries Sdn Bhd
AEON Cash Voucher of RM 50

7th Prize

Josie Wong
City-Lite Letrik Sdn Bhd
AEON Cash Voucher of RM 50

8th Prize

Tai Kui Har
Active Hi-Tech Engineering Sdn Bhd
AEON Cash Voucher of RM 50

High Games

Norashikin Alladdin
Sunway Construction Sdn Bhd
Umbrella

High Series (Games 1, 2)

Khairul Bariyah Mohyi
Success Electronics & Transformer
Manufacturer Sdn Bhd
Umbrella

High Series (Games 3, 4)

Hajarah Mohamed
Gruppe Lighting Solution Sdn Bhd
Umbrella

10th Position

Khairul Bariyah Mohyi
Success Electronics & Transformer
Manufacturer Sdn Bhd
Umbrella

20th Position

Noorliana Kutib
Jumbohan Marketing Sdn Bhd
Umbrella

30th Position

Norzila Muhammad
Ampmech Industries Sdn Bhd
Umbrella

40th Position

Noranizar Muhammad Adnan
Gruppe Lighting Solution Sdn Bhd
Umbrella

TEAM Event

Champion

Azman Wahid, Norris Burhanuddin ,
Ajah Maiden and Norashikin Alladdin
Sunway Construction Sdn Bhd
Trophy + AEON Cash Voucher of RM 320

1st Runner-Up

Gallen Loh, Alvin Choi, Shukri Omar and
Yong Sim Min
Omron Electronics Sdn Bhd
Trophy + Bath Towels + Umbrellas

2nd Runner-Up

Chong Chin Yen, Teoh Wooi Keat,
Woon Swee Keong and Michelle Woo
Schneider Electric Industries (Malaysia)
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High Grade Melamine Terminal Blocks are suitable for applications involving high temperature. Connections can be made by simply stripping the wire of its insulation to the recommended length and clamping it without any additional preparation. In no instance does the clamping screw act directly on the wire and this effectively prevents damage to the wire.



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SIEF Korea 2016

Seoul International Electric Fair (SIEF) 2016 was the 21st International Exhibition of the Korea Electrical Industry held to date. The exhibition was held concurrently with Power Generation Korea 2016, Smart Grid 2016 and Inter-Battery 2016 from 5th to 7th October 2016 at COEX Seoul, South Korea. Hosted by the Ministry of Trade, Industry & Energy of South Korea, these Annual Exhibitions were organised by the Korea Electrical Manufacturers Association (KOEMA) and Korea Electric Power Corporation (KEPCO).

The exhibition showcased Technology and Products for Power Generation, Transmission & Distribution, IT Infrastructure, Solar, Measuring Instruments, Renewable Energy and Energy Storage. TEEAM participated in the exhibition and organised some delegates to attend the Foreign Buyers Business-Matching Meeting. TEEAM had an official booth at SIEF to pro-actively promote the Association's activities and members' products to the Korean market.

Korea's power generation increased by an average of 5% annually over the past decade and expects demand to grow 3.7% annually through 2017, primarily driven by industrial use. Korea plans to raise coal capacity to 44.9 GW by 2017. Korea has the fifth highest nuclear generation capacity and the country is emerging as an international leader in nuclear technology.

Delegates participating as Foreign Buyers had the opportunity to attend Technical Tours to Shinincheon Combined Cycle Power



KLES Booth – Networking at the Fair.

Plant, LS Smart Grid System and KEPCO Energy Efficiency Business Model.

Overall it was a highly fruitful trip for the Delegates who visited the exhibition, attended business meetings and joined the technical tours. A big thank you to KOEMA for all the smooth arrangements and warm Korean hospitality which were accorded to us. Well done!



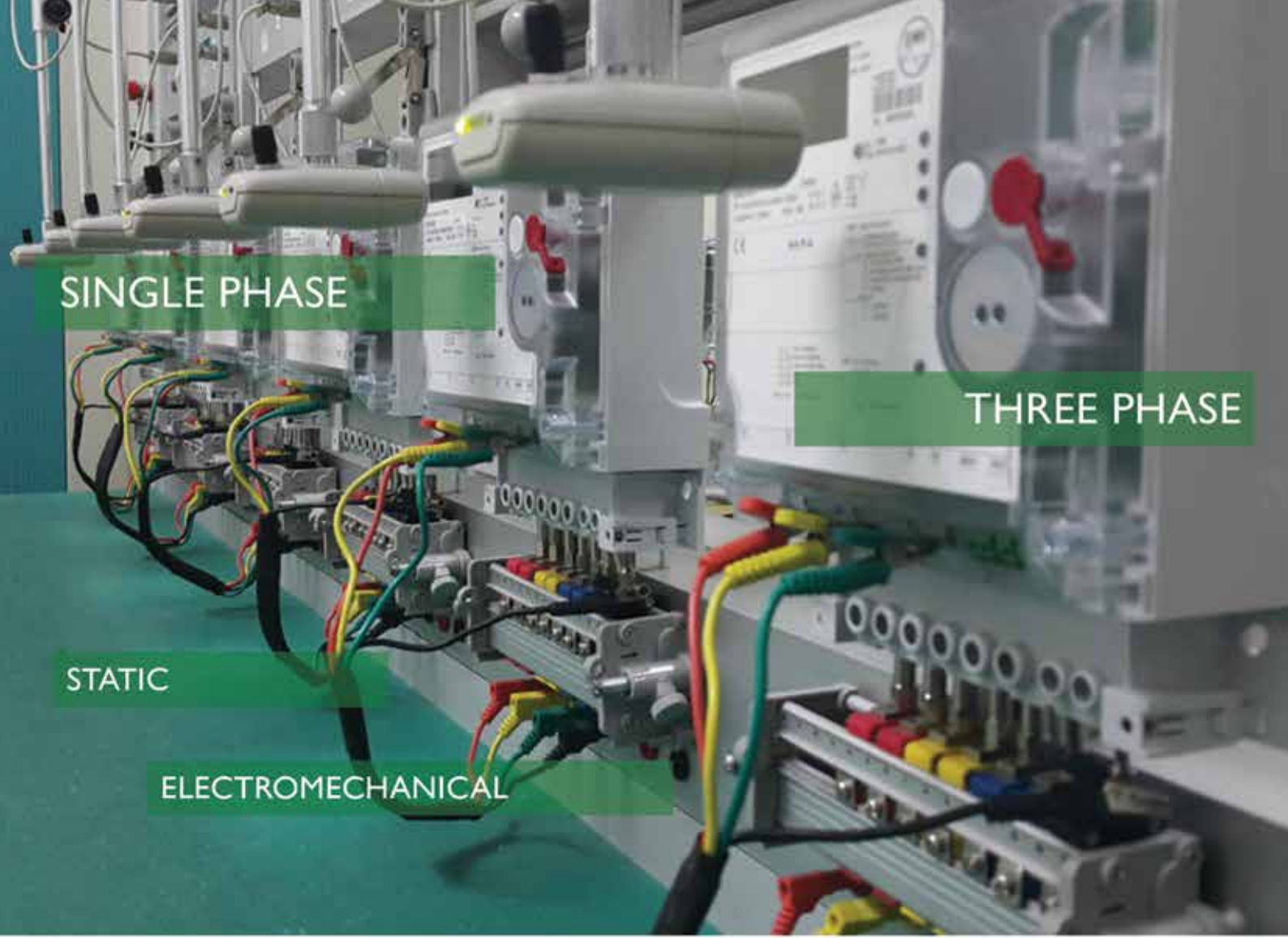
TEEAM's Delegates – (from left) Mr Andrew Lu (Council Member), Mr Subramaniam Karuppan (Vice President), Dr Lu Jye Ying (Member) and Ms Winnie Khong (Executive Secretary).



Interview – Korea Electric Times Newspaper Reporter interviewing Mr Subramaniam Karuppan (TEEAM Vice President).



Opening Ceremony – VIPs officiating the Opening Ceremony.



SINGLE PHASE

THREE PHASE

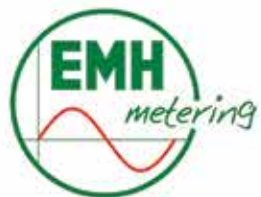
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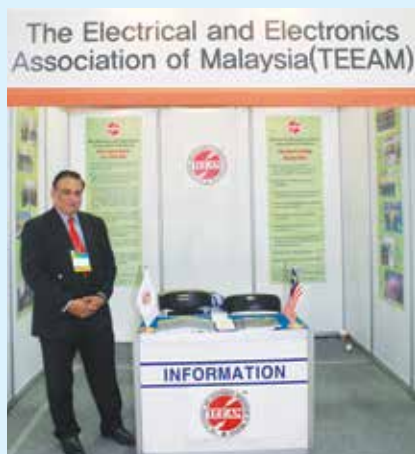


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Durian Trip to Sg Chalit, Raub

During the recent durian session, our TEEAM Membership Recruitment Committee organised a day trip to a durian orchard in Raub, Pahang, to savour “Musang King”, one of the highly sought after durian species. They set out on 13th August 2016 with a total of 22 members, spouses and secretariat staffs in tow. The group departed Kuala Lumpur in the morning to Sg Chalit YES Orchard. Upon arrival, they were warmly received by the farm owners. The orchard does not only produce high quality “Musang King” durians but also some other local fruits. It was TEEAM’s first such trip to savour durians, which was for the benefit of members where they also got the opportunity to mingle with one another and strengthen the TEEAM Team spirit. Overall it was a memorable trip for all who boldly ventured to the countryside and enjoyed their outing.



All smiles! – TEEAM officials posing for the album.



Here we are... – A relaxing environment for members to enjoy their durians and to network.



The Durian Craze is finally here – Durian lovers bought the famous and top grade durians to take home for their loved ones.



The King of Fruits – The signature Musang King, with its unique five arms starfish-shape at the bottom portion, tasted really sweet and creamy too...yummy!



Membership Recruitment Campaign

TEEAM appeals to members to help in recruiting companies and individuals to join the association to strengthen TEEAM’s membership base. Incentives are offered by the Membership Recruitment Committee. Members introducing a company member will be entitled for two points, while introducing an individual member will be entitled for one point. The points can be accumulated and used to redeem free advertisements in Suara TEEAM or redeem membership subscription.

Special privilege for new company members joining TEEAM between January-June 2017 is that your company profile will be published in our website.

For details, please contact the TEEAM Secretariat at Tel: +603 – 9221 4417. The membership application form can be downloaded from the TEEAM website at www.teeam.org.my.

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Challenges and Opportunities in the Electrical Industry - Part 27

By Ir Chew Shee Fuee KMN, TEEAM President.

Demand Side Management by EPU

EPU is embarking on a Demand Side Management (DSM) Study and its findings will be made available by end December 2016.

The following is an extract taken from the initial report:

Under the Eleventh Malaysia Plan, the Economic Planning Unit (EPU), Prime Minister's Department, will initiate a study on the DSM Master Plan which covers the whole spectrum of the energy sector. DSM is a vital tool to reduce peak electricity demand impacting the overall load on an electricity network. This will have beneficial effects including mitigating electrical system emergencies and increasing system reliability. It will also result in less dependence on expensive imports of fuel, reducing peak power demand and minimizing harmful emissions to the environment. The scope of the new DSM Master Plan will include electric and thermal energies, including usage in the transport sector.

During the Eleventh Malaysia Plan, measures will be taken to identify potential improvements and appropriate approaches to ensure efficient use of energy in buildings, industries and households. These measures include increasing competencies of energy service providers, especially Registered Electrical Energy Managers, and promoting the implementation of Energy Performance Contracting for Government buildings.

User-awareness will be enhanced on energy labelling and the availability of standards such as ISO 50001 for Energy Management System (EMS) for buildings and Minimum Energy Performance Standard (MEPS) for appliances will be promoted. Other specific measures will include the introduction of Enhanced Time of Use (EToU) tariff scheme and gradual abolishment of the Special Industrial Tariff (SIT) for energy intensive industries. Infrastructure-related initiatives such as implementation of smart grids and highly efficient co-generation technologies for combined heat and power systems will be promoted.

The following will indicate the funding mechanism:

The creation of new avenues in relation to funding mechanisms and financial incentives for Energy Efficiency (EE) strategies is the key for a successful implementation of EE programmes. It is proposed that the funding mechanism to be facilitated by the Government to ensure the DSM initiatives undertaken are sustainable during the implementation phase. The success of any EE initiative depends on the timeliness and adequacy of the financial source in meeting the DSM budget requirements. The necessary funding for the implementation of the DSM initiatives will utilize available EE funds to enable the private sector to invest in EE technologies and campaigns. The EE fund is budgeted for two main purposes:

- (1) Administration of the plan including design of EE programmes and campaigns, and
- (2) Financial incentives as catalyst to implement EE technologies and energy projects for all sectors.

The Draft of EE&C Law

The development of the Energy Efficiency & Conservation (EE&C) Law requires comprehensive support from policy-makers together with legal and regulatory experts. It is critical that the EE&C

Law is drafted within the three years period starting from 2017 to 2020 for endorsement by the Malaysia Government for eventual implementation and enforcement by the central entity. EE&C is targeted to be ready to roll out in 2020 in alignment with high income nation status.

This DSM study is planned to be implemented over a 15 years' period and would be categorized into short, medium and long term plans. A short term plan would cover a five years' period from 2016 to 2020, medium term for the 2020 to 2025 period and the long term would cover the entire 15 years' period.

PQ Baseline Study by Suruhanjaya Tenaga -- Voltage Sags

The voltage sag or dip had been a nagging frustration for the manufacturing industry. The PQ study carried out by ST confirmed the occurrences of such events.

Summary of External and ITIC Voltage Sag Events for 2012					
Site Name	Number of Event	ITIC Violation	Site Name	Number of Event	ITIC Violation
Petaling Jaya, Selangor	0	0	Cyberjaya, Selangor	2	1
Jalan Duta, Kuala Lumpur	6	2	Senawang, Negeri Sembilan	5	2
T. Panglima Garang, Selangor	2	0	Gemas, Negeri Sembilan	1	0
Klang, Selangor	1	0	Muar, Johor	3	1
Precint 2, Putrajaya	2	2	Batu Pahat, Johor	3	2
Klang, Selangor	0	0	Merlimau, Melaka	2	1
Balakong, Selangor	1	1	Kota Tinggi, Johor	5	3
Parcel E, Putrajaya	4	2	Gelang Patah, Johor	3	1
Sepang, Selangor	1	1	Pasir Gudang, Johor	1	0
Rawang, Selangor	2	2	Larkin, Johor	5	2
Shah Alam, Selangor	1	0	Pasir Gudang, Johor	12	2
Kuala Lumpur	3	1	TOTAL	65	26
Precint 4, Putrajaya	0	0			

It can be concluded that on average two voltage sags per annum can occur. Therefore, solutions to cater for voltage dips have to be provided if interruption to manufacturing is to be avoided.

Ir Chew Shee Fuee KMN B Sc (Hons) (Strathclyde), PEng, CEng, FIEM, MIEE Member, IEEE Member, 1st Grade Electrical Engineer (Competent up to above 500 kV).

Ir Chew is the current President of The Electrical and Electronics Association of Malaysia (TEEAM). He was TEEAM President for 2001 - 2003 and 2003 - 2005. He is the Past President of the Asean Federation of Electrical Engineering Contractors (AFEEC).

Ir Chew is the Managing Director of G H Liew Engineering (1990) Sdn Bhd and QATM Engineering Services Sdn Bhd. He graduated from the University of Strathclyde, Glasgow with a B Sc (Hons) in Electrical & Electronics Engineering. He is a Professional Engineer and is also licensed by Energy Commission as a competent engineer (without voltage limits) and a service engineer to carry out electrical testing up to a voltage of 500 kV.

Ir Chew has more than 30 years experience in electrical control and relay protection. He is also specialised in electrical site tests on power equipment, electrical fault investigation, service and maintenance of electrical switchgear and relays. His work also includes electrical supervision of substations and electrical audit. He presents lectures on electrical apparatus and the protection system. He is at present a WG representative in the development of Green Technology Road Map Phase 1. He is also a member of the National Energy Efficiency Technical Working Group. He is the Immediate Past President of IET Malaysia (Institution of Engineering & Technology) and Board Member of IET's APRB (Asian Pacific Region Board). He can be reached at E-mail: sfchew@ghliew1990.com.



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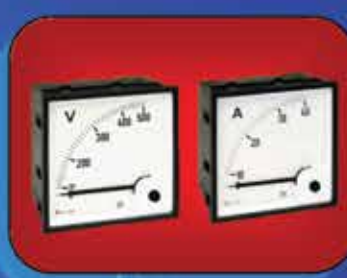
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TAITRONICS 2016

TAITRONICS celebrated its 42nd Anniversary with real style and elegance! The Organisers, TAITRA (Taiwan External Trade and Development Council) and TEEMA (Taiwan Electrical and Electronics Manufacturers' Association) jointly officiated TAITRONICS 2016 which was held from 6th to 9th October 2016 at Taipei Nangang Exhibition Center, Hall 1 with a whopping 530 exhibitors from eleven countries using over 1,000 booths.

In addition to displays of renowned Taiwan electronics manufacturers, there were the India government exhibits "Make in India" pavilion, together with international exhibitors from Japan, Korea, Hong Kong, United States, France, Indonesia, Singapore and China, showcasing the latest electronics and Internet of Things (IoT) innovations - thus making TAITRONICS the best platform for Taiwan to connect with international markets and also to establish win-win strategic partnerships.

"New Technology, New Applications" was the main theme for TAITRONICS 2016. The exhibitors presented the best precision technology including the latest products from upstream to downstream. Echoing this year's main themes were exhibitors displaying in the new exhibition areas such as e-healthcare, robotics and unmanned vehicles, smart manufacturing, as well as startups, thus leading Taiwan's electronics industry into another positive wave of paradigm shift.

There were eight Themed Pavilions namely Pavilion of Green Living Certification; Made in Taiwan Product namely Smile Mark Appliance Theme Pavilion; Pavilion of Wearable and IoT Smart Applications; Smart Living Pavilion; Green & Smart Theme Pavilion; Smart Safety Pavilion; Cloud and IoT Pavilion, and Life in Tech Pavilion. All these Pavilions integrated with interactive, experiential, and internationalisation promotional strategies by providing Reality Video Platforms, Unmanned Machine, Cloud Bookcases, 3D Interactive Games, IoT Systems for Hospital Beds, Smart Cushions and many more, to effectively create one of a kind exciting and interesting experiences for the enthusiastic visitors who were undoubtedly mesmerised in a sea of mind-revolving psychedelic colours – truly an unforgettable sight to behold!

TEEAM President, Ir Chew Shee Fuee KMN was honoured to be invited by TAITRA to visit the exhibition. What impressed him most was the on-going advanced rate of research in the totally new areas of IoT for Automatic Manufacturing, Smart City, Smart Home, Automotive, Medical and the Wearables fields of interest. The pace of these areas is developing at an enormous speed and this indeed augurs very well for the future – there is so much more to be discovered yet. Truly amazing times ahead!



For the album – Special invitees of TAITRA. Second row 3rd from left is Ir Chew Shee Fuee KMN (TEEAM President).



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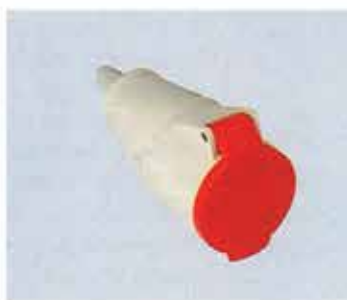


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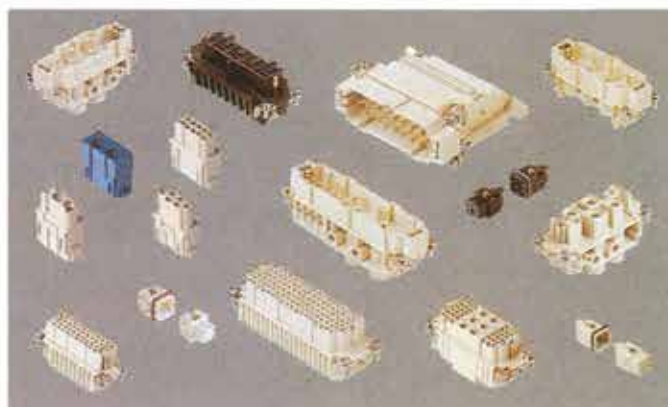
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