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A publication of The Electrical and Electronics Association of Malaysia

70th Issue

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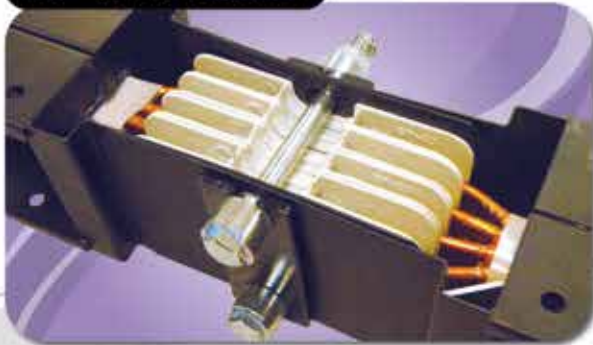
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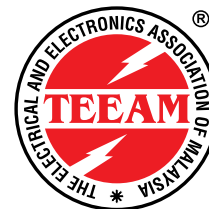
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From The Editor's Desk



The Self-Test RCCB Safety Campaign is still in much demand and we had been invited to promote it recently. Based on the awareness of this important issue, TEEAM has to prepare for a long social responsibility ahead.

The first Durian Trip to Raub had taken place recently. I believe more will come in future. We do hope this will be a good opportunity to recruit new members as well as keeping existing members engaged.

TEEAM's 64th Anniversary Dinner had been successfully held. You will probably find yourselves in the photos taken. Congratulations to the Organising Committee for a job well done.

We had probably the largest contingent ever to attend the AFEEC/FAPECA Conference & Meeting in Singapore. The event was well organised by SECA.

The SMDP Germany Training had some participation from TEEAM members. This kind of overseas training would certainly widen our horizons in both the technical and business areas.

Business outlook is very challenging with the ringgit depreciation. However, the GDP forecast for next year continues to be positive.

May I wish everyone a Happy New Year 2017!

Regards,

Ir Chew Shee Fuee KMN
Editor
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TEEAM 64th Anniversary Dinner

The grand dinner comprising 108 tables to celebrate TEEAM's 64th Anniversary was held on 27th August 2016 at The Majestic Hotel in Kuala Lumpur. YBhg Dato' Abdul Razak Jaafar (Deputy Secretary-General) represented the Minister of Works, Malaysia, YB Dato' Sri Hj Fadillah Hj Yusof as the Guest-of-Honour.

The theme of the night was "Celebrating The LED Evolution". The opening gambit was a stunning LED Drum Performance. Guests and members were entertained by singer Genie with powerful songs and a live band in accompaniment. Highlights of the celebration were the presentation of the Best Contractor Awards (Residential, Infrastructure, Commercial and Industrial Categories and Overall), Best Innovation Awards and Staff Long Service Award.

TEEAM President, Ir Chew Shee Fuee KMN, in his speech, congratulated Dinner Organising Chairman, Ir Yong Ah Huat and his Committee as well as the Secretariat staffs for their excellent effort in preparing for the grand dinner which saw such a great turnout. Ir Chew highlighted that "The Nobel Prize in Physics 2014" was awarded jointly to Isamu Akasaki, Hiroshi Amano and Shuji Nakamura for their co-invention of efficient blue Light Emitting Diodes (LEDs) which has enabled bright and energy-saving white light sources.

The light output and efficiency of blue and near-ultraviolet LEDs rose as the cost of reliable devices fell. This led to the use of high-power white-light LEDs for the purpose of illumination whereby they are replacing incandescent and fluorescent lighting.

White LEDs can now produce over 300 lumens per watt of electricity while lasting up to 100,000 hours. Compared to incandescent bulbs, this is not only a huge increase in electrical efficiency, but over time, a similar or lower cost per bulb.

LED has become the de facto efficient lighting in the world today. LEDs are not just producing light but can adapt to all kinds of



VVIPs – (from left) Mr Lee Peng Sian (EITA Resources Berhad), Mr John Tan (FAPECA/SECA President), Mr Alok Ghose (Philips Lighting Commercial Malaysia), Mr Kong Mun Chong (Bond M&E (KL)), Ir Chew Shee Fuee KMN (TEEAM President), YBhg Dato' Abdul Razak Jaafar (Deputy Secretary General, Ministry of Works Malaysia), Ir Yong Ah Huat (Dinner Organising Chairman), Tan Sri Dr Mohd Munir Majid (Chairman of ASEAN BAC Malaysia), Mr Suresh Kumar Gorasia (TEEAM International Affairs Chairman & Past President) and Mr Michael Oan (Dinner Fund Raising Chairman).



TEEAM President – Ir Chew Shee Fuee KMN delivered his speech.



Dinner Organising Chairman – Ir Yong Ah Huat thanked members for their support in making the celebration dinner a grand success.



Guest of Honour – YBhg Dato' Abdul Razak Jaafar (Deputy Secretary-General of Ministry of Works Malaysia) representing the Works Minister.



"Celebrating the LED Evolution" – A group photo of the TEEAM Council.

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..... Continue TEEAM 64th Anniversary Dinner

environments and enhance lighting which we could only imagine in the past. Lights will affect us biologically and soon we all can enjoy lights that will heal us and give us good moods. We shall be able to overcome jetlags with “showers of light”.

He went on to mention that “Lighting accounts for nearly 6% of global CO2 emissions. A global switch to energy-efficient LED technology could save over 1,400 million tons of CO2 and avoid the construction of 1,250 power stations.

Following the historic global Paris Agreement, effective climate actions are needed. With savings of up to 50-70%, LED lighting has been recognised as one of the most actionable and ready-to-implement technologies for cities to transition to a low carbon economy and peak emissions in the next decade.

To drive LED scale-up, the Climate Group called for every city and utility in the world to switch to LED street lighting (or to be as energy efficient as they can be) by 2025 and for policy-makers to define clear long-term strategies that will encourage the adoption of energy efficient technologies. LED is not just giving light but is able to deliver light in a manner “never imagined before”.

Guest-of-Honour, YBhg Dato’ Abdul Razak Jaafar, conveyed the greetings of YB Dato’ Sri Hj Fadillah Hj Yusof who was unable to attend due to an urgent matter and proceeded to deliver the Minister’s keynote address. In the Minister’s text it was highlighted that the Malaysian economy is supported strongly by the construction industry. The construction industry has remained robust with total investments from both the public and private sector infrastructure projects. The construction industry achieved an astounding average growth of 11.1% during the 10th Malaysia Plan. This surpassed the performance of all other economic sectors in the country. The development and progress in the construction industry benefits both the country and the people. Under the 11th Malaysia Plan, the government has launched the Construction Industry Transformation Programme or the CITP. It is a five year transformation programme with the aim of propelling the industry forward and to meet market demand. Efforts to transform the construction sector will focus on enhancing human capital, increasing productivity, fostering sustainable practices and increasing internationalisation.

The efforts made by all parties to achieve the best and most progressive building methodologies are truly commended. The role of TEEAM in particular in providing efficient and quality electrical supply is significant in advancing the latest technology in buildings and the construction industry as a whole. The current emerging LED



Dinner Organising Committee – Thank you for your great effort.

deployment delivers one of the best lightings with the most efficient use of energy. There is a large scope for improvement in lighting technology. LED technology reduces electricity consumption in delivering the equivalent lighting. The higher cost of LED lights can be recovered through its longer life span.

The Minister was pleased to note TEEAM’s participation in the promotion of the Building Sector Energy Efficiency Project (BSEEP). The BSEEP supports the path of sustainability. He hoped TEEAM will continue to participate strongly in implementing energy efficiency in areas that are still lacking. This will provide a great opportunity for members and contribute significantly to the aspiration of the government in the areas of Energy Efficiency and Conservation.

The Dinner Organising Chairman, Ir Yong Ah Huat who is also the TEEAM Deputy President thanked his Organising Committee for their great effort in organising the grand dinner. He was delighted to see a great turnout despite business sentiment being slow. All these would not have been possible without the generosity of all our sponsors. He expressed his heartfelt thanks to the exclusive Diamond Sponsor, Philips Lighting Commercial Malaysia and all other sponsors for their tremendous support. A special session was held later in the evening to thank the generous sponsors with tokens of appreciation.

The excitement for the night was the lucky draws with 30 attractive prizes given away to the lucky winners. The grand lucky draw prizes were Samsung Galaxy Tab S2 (9.7”), iPad Mini 3, Samsung Galaxy Tab S2 (8”), Samsung Galaxy Tab A, Samsung Galaxy J7 and Lenovo Tab 2.

The grand celebration was a huge success registering a turnout of 1,080 guests and members with support from overseas guests from AFEEC member countries. TEEAM recorded its heartfelt appreciation and thanks to all sponsors, guests, members and the Press for their strong support and presence.



Games Store – Members had fun at Philips booth before dinner started.



Diamond sponsor – (left) Mr Alok Ghose, Managing Director of Philips Lighting Commercial Malaysia received an appreciation plaque from TEEAM President, Ir Chew Shee Fuee KMN.



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Welcome – TEEAM officials posing with Mr Tan Kim Chuan of Sin Chew Press (3rd from left).



Grand winner – Ir Yong Ah Huat (Dinner Organising Chairman) presenting lucky draw prize, Samsung Galaxy Tab S2 to the winner (left). Congratulations!



Cheese! – (from left) Mr Dahari Mat Siran (TEEAM Council Member), Mr Suresh Kumar Gorasia (TEEAM International Affairs Chairman & Past President), Mr Subramaniam Karuppan (TEEAM Vice President), Ir Abdul Rahim Ibrahim (ST Director) and Mr Yuslan Yasok (JPK Principal Assistant Director). Standing is Ir Chang Yew Cheong (TEEAM Vice President).



All smiles – (from left) Mr & Mrs Lim Yok Kee (TEEAM Trustee & Past President), Dato' Susila Devi (MATRADE Deputy CEO) and Mr VKK Rajasekaran (KLSICCI Deputy President). Standing is Mr Simon Leong (TEEAM Council Member).



For the album – (from left) Mr Edward Kway (AFEEC Treasurer/ SECA Honorary Secretary), Ir G H Liew (TEEAM Past President), Mr Boonsak Kiatjaroonlert (TEMCA Vice President of International Affairs), Mr Tee Kok Hwa (MCMA TC Chairman) and Dato' Ir Donald Lim (TEEAM Past President).



A night to network – TEEAM Council with VIP guests in jolly mood.



Together we celebrate – Thank you for your great support to our dinner.



Happy occasion – Guests & members enjoyed the food and performance during the night.



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LED drum performance – Exciting opening gambit.



Full house – An overall view of the grand dinner ballroom.

TEEAM Best Contractor Awards 2016



Industrial Category & Overall Winner – Bond M&E Sdn Bhd



Infrastructure Category – Sunway Engineering Sdn Bhd



Residential Category – Dexon Electrical Engineering Sdn Bhd



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Special Awards



Street Lighting Project – Cable Line Electrical & Engineering Sdn Bhd



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- 6 - 90° Elbow
- 7 - 45° Elbow
- 8 - 180° Elbow
- 9 - 90° Elbow
- 10 - 45° Elbow
- 11 - 180° Elbow
- 12 - 90° Elbow
- 13 - 45° Elbow
- 14 - 180° Elbow
- 15 - 90° Elbow
- 16 - 45° Elbow
- 17 - 180° Elbow
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TEEAM Members at Dinner Photo Booth





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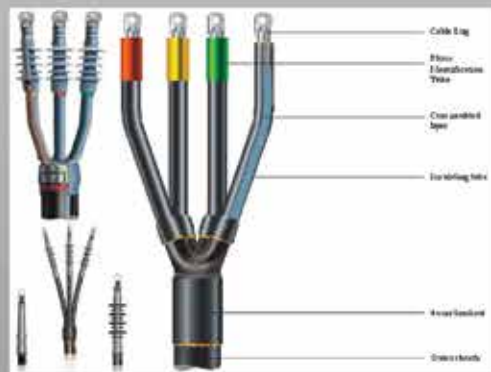


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TEEAM-TNB Dialogue

The TEEAM-TNB Dialogue on myTNB Self Service Portal was held on 10th November 2016 at Wisma TNB Petaling Jaya, Selangor. TEEAM President, Ir Chew Shee Fuee KMN led an 18-member delegation to meet TNB Officials. TEEAM's delegation was officially received by YBhg Datuk Ir Mohd Azim Dato' Hj Yusof (TNB General Manager of Customer Relations) and his officers.

The dialogue was arranged to discuss some pressing issues arising from the newly migrated myTNB Self Service Portal (myTNB SSP). Before the dialogue convened, TNB Officials gave a briefing on the Overview of the myTNB SSP which was introduced on 26th July 2016. Supply application via myTNB SSP for less than 100 kVA as well as more than 100 kVA were also highlighted.

During the dialogue session, the following issues were raised by TEEAM and TNB provided the following answers/solutions:

1) Schematic Diagram and Forms G & H

TEEAM highlighted that the new system does not require schematic diagrams, hence the Supervision and Completion Certificate (Form G) and Test Certificate (Form H) cannot be completed and no supply can be given.

TNB clarified that the schematic diagram is required and that the contractors scan the schematic diagram together with Form G and test results with Form H. Storage capacity for these attachments in myTNB SSP have been increased to 2MB.

As to the filling in of Forms G and H, TNB proposed to fill in the name of the client as applicant but pending for guidelines from the Energy Commission (ST). TNB shall update TEEAM if ST decides otherwise.

Meanwhile, members have been asked by the Teluk Intan Station and Cameron Highlands Station to scan Forms G and H in colour but the Forms G and H are constantly rejected by TNB. Hence there is no standardisation and no clear guidelines on filling of the forms.

TNB confirmed that there is no requirement for colour scans as long as the forms were readable. TNB has made an official request for guidelines from ST but it is still pending. Until then, TNB will accept the forms as long as particulars of competent persons, the premise owners and schematics are comprehensible.

2) Migration of Data from E-application to the new myTNB SPP Portal

Members are still facing problems on migrating data from their e-application to the new myTNB SSP. Data from the station is not complete and projects are thus delayed. TNB will inform stations to keep contractors updated on the status. Documents submitted in

e-application are retrievable and contractors do not need to re-submit. Stations will request HQ (SSP team) to patch the documents to the myTNB SSP contractor dashboard. It was highlighted that there were about 3,000 projects with 11,000 parcels patched since migration from the e-application to myTNB SSP.



TNB Chairperson – (right) YBhg Datuk Ir Mohd Azim Dato' Hj Yusof, TNB General Manager (Customer Relations) chaired the dialogue.

3) Requirement of Mother's Name

Members were puzzled as to why TNB requires the applicant's mother's name to be included in their applications. TNB clarified the use of mother's name is mandatory as a security question in verifying the identity of the account owner during interaction with TNB Careline. The current TNB billing system is adopting this standard procedure as practiced in other sectors, i.e., in banking and telecommunications. TNB advised members to follow the process and to obtain the client's mother's name during signing of the application form.

4) Estimation Work

TEEAM highlighted that estimation work is under TNB's scope of work. The contractor is not authorised to do this part of the work. The contractor cannot access the TNB feeder to measure the existing load and the voltage to be estimated.

TNB clarified that self-estimation by the electrical contractor does not require loading of TNB feeders. For overhead service, the contractor only need to put in the distance.

5) Stamp Duty

Now that there is no hard copy submitted, TNB will not be stamping supply contracts because the Inland Revenue Board (IRB) had given power to TNB for compounding payment of stamp duty on instruments that are not stamped.

6) TNB Pole Number

It was raised that the TNB pole number is required to be indicated in the supply application but there were instances where the pole number was not available. TNB clarified that in the absence of pole information, GPS Coordinate shall be used instead.



Fruitful dialogue – A group photo after the meeting.



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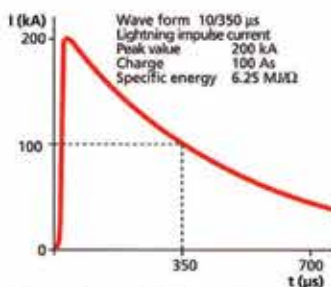
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..... Continue TEEAM-TNB Dialogue

7) Difficulty in Communicating with the TNB Careline Centre

Members are finding difficulty in communicating with the TNB Careline Centre at 1300-88-5454. When their application form is rejected, they find it difficult to get someone to answer to their calls.

TNB suggested alternate platforms such as e-mail (tnbcareline@tnb.com.my) and Facebook (www.facebook.com/TNB Careline).

8) Existing Project with Unsold Units

Members queried if myTNB SSP is applicable on existing project that has unsold units for the past five years. What can the developer/contractor do about it?

TNB informed that if there is a purchaser after five years, the developer/contractor can approach the nearest Kedai Tenaga to ask for dummy project creation for the purpose of move-in application. Kedai Tenaga will send the data to the ICT Tech team for patching activities. This is to avoid connection charges to be imposed on the new applicant if the developer/contractor applied for it using the individual's application.

Overall, it was a very fruitful dialogue. TNB will be having on-going dialogues and hands-on sessions with contractors, developers and consultants to resolve arising problems. The dialogue ended with a sumptuous lunch hosted by TNB.



Discussion – Issues of concern were raised to TNB.



Q & A – Pn Shakila Parveen of Service Development further explained on the myTNB SSP new system.



Heartiest Congratulations

to our Council Member

Dato' Sri Ir Peter Lu Nguang Siong

Chairman of Sarawak Electrical Association

for being awarded the

Sarawak State Entrepreneur of the Year Awards 2016 (Master Entrepreneur)

on

25th November 2016

by the

**Ministry of Industrial and Entrepreneur Development, Trade and Investment Sarawak (MIETI),
Sarawak Chamber of Commerce & Industry (SCCI) and Ernst & Young (EY)**



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EW, CFL & FL Recycling Programme

Today we are all the more aware of our environmental impact on the earth and atmosphere. Light Bulbs and Electronics Waste (EW) containing poisonous mercury are certainly an undeniable element of that. A proper disposal of CFL (Compact Fluorescent Lamp), FL (Fluorescent Light) Bulbs and EW helps reduce the chance that the small amount of Mercury they contain will unfortunately end up in the environment. The Malaysia International Commission of Illumination (MyCIE) and The Electrical and Electronics Association of Malaysia (TEEAM) have created an EW, CFL & FL Recycling Programme to find a better solution for this problem. As the number of used bulbs started to accumulate, we began to seriously consider a more environmentally-friendly way of dealing with them beyond disposing of them properly.

Establishing a Recycling Programme in Universities will provide students with an opportunity to turn concern for the environment into positive action and also helps to enhance environmental and global education inside and outside of the Campuses. Several Universities have successfully implemented a 'Greening' University Campus initiative. To aid this they had successfully organised several 3R Campaigns/Workshops to promote this Green Awareness to their students.

As part of its ongoing efforts to create awareness of pollution from Light Bulbs, MyCIE took part in the "Wellness Week" hosted

by Monash University on 5th & 6th October 2016; "Recycling Campaign 2016" on 25th & 26th October 2016 at UTAR, Sungai Long Campus; and "KL Engineering Science Fair 2016" from 4th to 6th November 2016 at MIECC, MINES which was jointly organised by UTAR, AAET, MIGHT and IEM.

Besides participating in 3R Campaigns, MyCIE also successfully organised several Talks at Schools and Universities to educate the students. The most recent Talks were held at SJK (C) Sin Hua, Seremban on 20th October 2016 and at the International Medical University (IMU) on 5th December 2016.

From time to time, MyCIE will be updating its Official Website to include more up-to-date information on the EW, CFL & FL Recycling activities. To find out more about what is being done to help save the environment, you are highly encouraged to visit our MyCIE Website at www.mycie.org.my frequently for the latest news and happenings!

Thank you for your keen interest in our Green Initiatives and we sincerely look forward to your unfailing support by introducing it at your office and factory too, if you have not already done so. Let's do our collective and individual parts for our beloved environment!

EW, CFL & FL Recycling Roadshows & Talks



Monash University, Sunway



SJK (C) Sin Hua, Seremban



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Workshop on Building Sector Energy Efficiency

TEEAM, in collaboration with the Building Sector Energy Efficiency Project (BSEEP) successfully organised another two Workshops on Energy Efficiency for the Building Sector. It was held on 8th and 15th December 2016 at Eastin Hotel Penang and Hotel Jen Puteri Harbour, Johor respectively. BSEEP is a national-level programme for the Building Sector funded by GEF-UNDP (Global Environmental Facilities – United Nations Development Programme). BSEEP in Malaysia is managed by the Public Works Department (or JKR).

The workshop was supported by Suruhanjaya Tenaga (ST), Association of Consulting Engineers Malaysia (ACEM), Green Building Index (GBI), The Institution of Engineers Malaysia (IEM), Malaysia Green Building Confederation (MGBC) and Federation of Malaysian Manufacturers (FMM).

Members should be aware that Energy Efficiency is becoming an important agenda in industry, not least due to the following factors:

- Decreasing energy resources in the world,
- The importance of sustainability and climate changes in the international and national agendas, and

- Government policies and programmes on energy efficiency which will be a significant part of RMK11 for the coming year.

A team of experts from BSEEP comprising Prof Dr Ir K S Kannan, Mr Deep Kumar and Ir Looi Hip Peu shared their views and expertise. Other Distinguished Speakers were from the Ministry of Energy, Green Technology and Water (KeTTHA), Mr Wong Tin Song and Ms Falisya Noor Azam, from the Energy Commission (or ST), Ms Hafiza Yob, and Energy Management Expert, Mr Zaini Abdul Wahab (UNIDO).

Through this workshop, industry-related participants explored the opportunities and business feasibilities of energy efficiency. Rising energy costs, legislations relating to climate change and its impact on markets, and the need for industry players to respond to such trends, were the contexts for this timely workshop.

Some 30 participants attended each session of these informative workshops. They comprised Electrical Contractors, Building Consultants, Facility Managers, Building Owners, Building Operators, Building System Vendors, Engineers, Competent Personnel and Government Regulators. The Workshops were approved with BEM CPD/PDP hours, CIDB CCD points and ST CPD hours for Certified Energy Managers.

BSEEP Workshop in Penang



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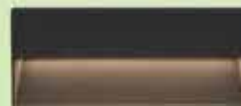
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BSEEP Workshop in Johor



Distinguished Speakers



Mr Zaini Abdul Wahab of UNIDO



Ir Looi Hip Peu of BSEEP



Prof Ir Dr K S Kannan of BSEEP



Mr Deep Kumar of BSEEP



Ms Hafiza Yob of ST



Mr Wong Tin Song of KeTTHA



Ms Falisyia Noor Azam of KeTTHA



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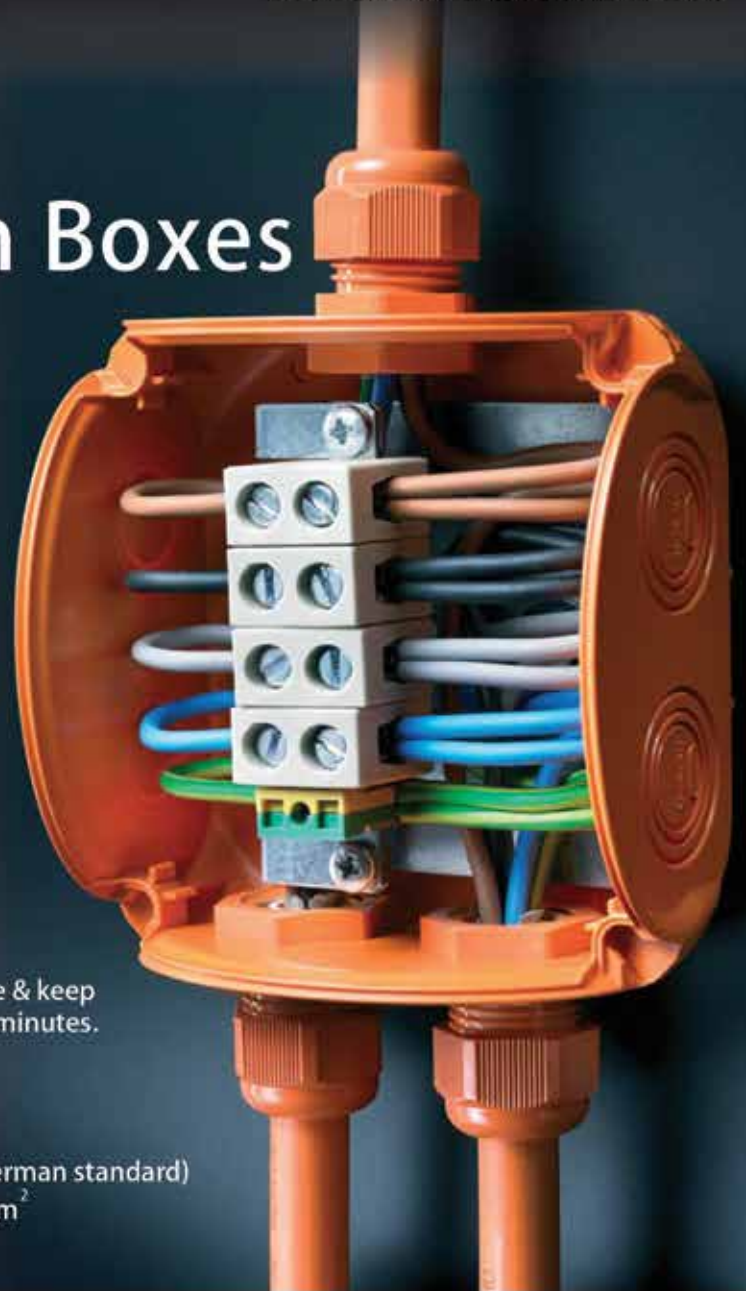


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Badminton Tournament 2016

TEEAM Annual Badminton Tournament was successfully held over two Sundays on 16th & 23rd October 2016 at the Sports Forum 19, Petaling Jaya. There was an impressive total of 23 Men's Singles, 26 pairs of Men's Doubles and 12 pairs of Mixed-Doubles participants. They comprised TEEAM members and their employees. All players fought enthusiastically and displayed strong fighting spirit. A special word of appreciation and thanks was recorded to acknowledge the event's sole Sponsor, Megahock Pipes & Profile Manufacturing Sdn Bhd. All winners received attractive prizes comprising Trophies and AEON Cash Vouchers. A big applause is also due to the dedicated Umpires, Linesmen, Sports Committee Members for their selfless commitment and tireless effort in making the TEEAM Badminton Tournament a great success. Congratulations to all for your TEEAM Team Spirit!

The list of winners appears on page 37.



Energetic players – Warm-up before the start of the games.



Participants on Day 1, 16th October 2016 – Men's Singles & Men's Doubles.



Men's Singles Champion – (right) Mr Ahmad Khaizarul (Sunway) received a Trophy and AEON Cash Vouchers from Ir Chew Shee Fuee KMN (TEEAM President).



Men's Doubles Champion – Brothers from Syarikat See Wide Letrik (left) Mr Lee Kok Yew and (right) Mr Lee Kok Wai received Trophies and AEON Cash Vouchers from Ir Chew Shee Fuee KMN (TEEAM President).



Mixed-Doubles Champions – (from left) Ms Zaimah Abdullah & Mr Mohd Sofie Hassan (Sunway) received Trophies and AEON Cash Vouchers from Mr Liang Kok Boon (TEEAM Sports Chairman). With them is (on extreme left) Mr Ooi Eng Guan (TEEAM Council Member).



Doubles Finalists – (from left) Mr Lee Kok Wai & Mr Lee Kok Yew (Syarikat See Wide Letrik) versus (on extreme right) Mr Ahmad Khaizarul & Mr Mohd Sofie Hassan (Sunway). Umpire: Mr Lam Wai Ming (centre).

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Today there are five publications related to connectors and these standards can now enable owners, engineers and end-users to specify right connectors for their needs.

Published Malaysian Standards

MS 1540:2015 Crimp Type Cable Lugs for LV Applications
MS 1779:2005 Crimp type Cable Links for LV Applications
MS 1838:2005 Crimp type Cable Lugs for Applications up to 36kV
MS 2584:2014 Crimp type Bi-metal Lugs for Applications up to 36kV
MS 2654:2015 Crimping type Hexagon Dies and Rounding Dies

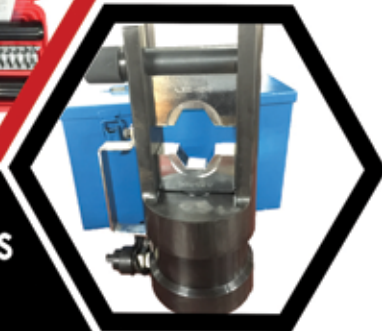
Always go for standards-compliant and quality cable connectors to conduct current safely and reliably.



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..... Continue Badminton Tournament 2016



Participants on Day 2, 23rd October 2016 – Mixed-Doubles and Semi-Finalist matches.



Singles Finalist – (left) Mr Ahmad Khaizarul (Sunway) versus Mr Tan Kian Huat (Individual). Umpire: Mr Lam Wai Ming.



Mixed Doubles Finalists – (left) Ms Mandy Yong & Mr Gallen Loh (Omron Electronics) versus (right) Ms Zaimah Abdullah & Mr Mohd Sofie Hassan (Sunway). Umpire: Mr Steven Quek.



Semi-Finalist, Men's Doubles – (left) Mr Tan Kim Hoong (Genuine Electric) and Mr Cheok Keng Luen (SJEE Engineering) received trophies and AEON Cash Vouchers from Ir Chew Shee Fuae KMN (TEEAM President).



Attractive prizes – Good luck to all players!



Bravo! – Group photo taken after the prize presentation ceremony. Congratulations to all winners!



Sponsorship – Ir Chew Shee Fuae KMN (TEEAM President) presented an Appreciation Certificate to Ms Cheryl Wong of Megahock Pipes & Profile Manufacturing Sdn Bhd.



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