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A publication of The Electrical and Electronics Association of Malaysia

69th Issue

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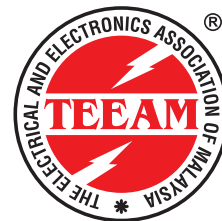
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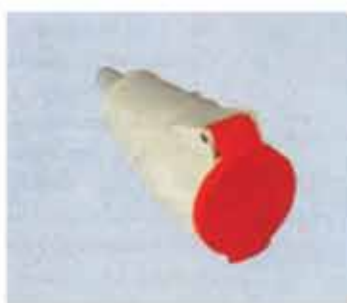
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From the Editor's Desk



The Malaysia International Commission of Illumination (MyCIE) in collaboration with The Electrical and Electronics Association of Malaysia (TEEAM), is embarking on an Electronics Waste (EW), Compact Fluorescent Lamp (CFL) & Fluorescent Lamp (FL) Recycling Programme, from 15th June 2015 to 15th June 2019 (spanning a total of four years) in Malaysia. Following the remarkable success of our earlier two phases of CFL & FL recycling efforts, we strongly believe that this third phase will go on to achieve an even greater impact and success. This third phase involves the collection, storage and disposal of E-Waste in addition to the CFL and FL recycling initiatives. We sincerely thank our Platinum Sponsors – Philips Lighting and Real Magic, and also our Silver Sponsor – Kewpump, for giving back to the community through their praiseworthy Corporate Social Responsibility (CSR) initiatives. We do look forward to many more member companies joining this recycling programme to create more awareness to the public on proper disposal of hazardous waste.

Our TEEAM AGM was successfully held on 29th May 2016 at the Armada Hotel in Petaling Jaya. There was no election this year. All the current Office-Bearers will continue their term on to 2017.

TEEAM members had been pro-active in participating Exhibitions both locally and overseas. Well done! We do appreciate MATRADE's pro-active efforts in promoting more International Visits and Business Match-making Sessions.

We had our RCD Self-Test Campaign in Ipoh this year. In view of the recent water heater electrocution case that was reported in Seremban recently, TEEAM will continue to increase the number of safety-related Roadshows to cover places we had not covered previously.

This 69th issue of SUARA TEEAM coincides with our TEEAM 64th Anniversary Bi-Annual Dinner. Our theme is: "Celebrating The LED Evolution". As usual, we have more than 1,000 members and guests attending the Grand Dinner slated to be held on 27th August 2016 at The Majestic Kuala Lumpur.

AFEEC/FAPECA Conference and Meetings will be hosted by SECA in Singapore with the theme: SMART (Sustainability, Maintainable, Alternative and Renewable Technologies) to be held from 28th to 30th September 2016 at Marina Bay Sands, Singapore. We have been duly informed that many more delegates from various member countries are expected to attend SMART. We too do hope to have a big delegation from Malaysia.

Thank you for your continued support to TEEAM's activities and events.

Best Regards,

Ir Chew Shee Fuee KMN
Editor
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2016 AGM

TEEAM successfully held its Annual General Meeting (AGM) for 2016 on Sunday, 29th May 2016. It was an inaugural AGM which was held outside of TEEAM's premises. The venue was Petaling Jaya's Hotel Armada Latitude Room. Some 61 TEEAM members were present. It was a cozy place with a nice ambience for members to network over breakfast before the AGM started.

Opening Address

TEEAM President, Ir Chew Shee Fuee KMN, expressed his gratitude to members for taking time-off to attend this important meeting. He shared with members on the ongoing TEEAM activities and he hoped members would continue to participate pro-actively. He highlighted that MATRADE is actively organising trade events and also promoting business-matching sessions. He hoped that TEEAM members would seize this golden opportunity to expand their businesses.

TEEAM is continuing with the Self-test RCCB Campaign to promote safety awareness to the public whilst the Energy Commission is finalising the Code of Practice for Installation and Maintenance of Water Heater, to ensure the safe use of residential water heaters.

Next on the agenda is to promote the preferred 30mA RCCB which is still not commonly used in residential homes. New houses are now fitted with power outlets protected by the 30mA RCCBs for added protection.

Acceptance of Minutes, Annual Report and Annual Accounts

The meeting approved the minutes of the previous AGM. The Annual Report on the activities of TEEAM for the year 2015 was presented by the Honorary Secretary, Dr Tan Ching Seong. The Audited Annual Accounts for the year ended 31st December 2015 was then presented by the Honorary Treasurer, Mr Wong Chin Cheong. Both documents were duly adopted in the AGM.

Other Matters

There were suggestions from the floor to organise charity activities and more social networking events. More GST Compliance Talks would also be beneficial to keep TEEAM members updated, and also to enlighten members on the GST claim-back procedure. The Council took note of these valuable suggestions from the members. Members enjoyed a sumptuous buffet lunch at the Hotel's Coffee House after the adjournment of the 2016 AGM.



Attentive – Exco chairing the AGM.



Good attendance – AGM in progress.



For the album – Supportive Council Members.



Cheers! – Good networking over coffee.



Q & A Session – Mr How Chee Seng suggesting TEEAM to organise charity activities.



Yummy – Luncheon after the AGM adjourned.



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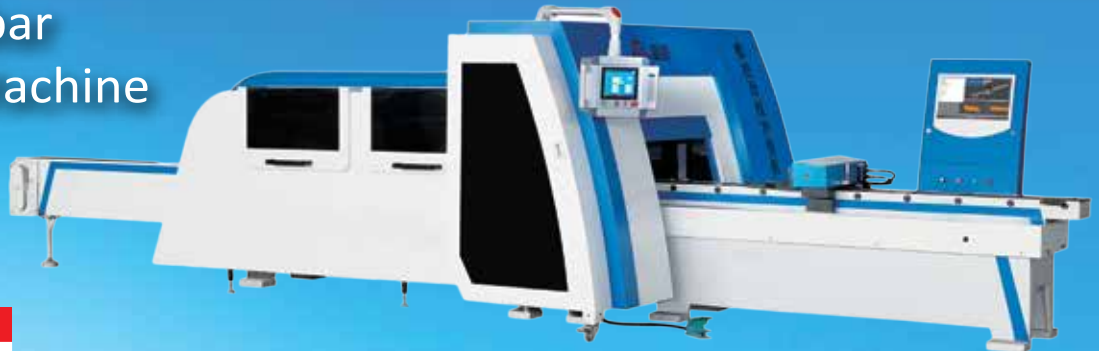
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Networking Dinner with Members of the Press

A Networking and Appreciation Dinner was cordially hosted by TEEAM for the Press on 17th May 2016 at Oriental Banquet, Petaling Jaya. This networking dinner was aimed at providing opportunities for mutual information exchange, updating of the Press on our TEEAM activities and to keep the close win-win working relationship ongoing. It was a way to thank the Members of the Press for their tremendous support in terms of good publicity and coverage for TEEAM's activities over the years.

TEEAM President, Ir Chew Shee Fuee KMN, together with Exco Members, as well as Sub-Committee Chairmen and Secretariat staff, gave a warm reception to the Pressmembers in attendance.

The Press representatives who attended were from Sin Chew Daily, Nanyang Siang Pau, China Press, Oriental Daily, Guang Ming Daily and Kwong Wah Press. Also in attendance at this TEEAM-Press gathering was a 30-strong team comprising Managing Directors,

Corporate Communications and Promotion General Managers, Senior Managers, Assistant Managers and Executives, Public Relations Executives, Chinese Guilds Affairs Officers, Advertising Sales Representatives, Reporters and Photographers.



Welcome – Ir Chew Shee Fuee KMN (TEEAM President) addressing the Press Members.



Press interview – Updating the Press on TEEAM's activities.



Attentive - Dr Tan Ching Seong (TEEAM Honorary Secretary) gave a briefing on TEEAM's recycling programme.



Karaoke session – A relaxing night after all the serious talk.

Networking and Appreciation Dinner for the Press





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EW, CFL & FL Recycling Programme

This programme has been a joint-collaborative effort of the Malaysia International Commission of Illumination (MyCIE) and TEEAM, to create awareness and good habits for the general public and targeted groups on the proper disposal of e-waste (EW), compact fluorescent lamps (CFL) and fluorescent lamps (FL).

From the very onset, this public-oriented programme received a great deal of attention from various Non-Governmental Organisations (NGOs) and Residents' Associations located in the Klang Valley. MyCIE/TEEAM is running this important programme under industrial sponsorship with the noble intent that it will lead to a sustained recycling system in Malaysia. A number of publicity activities were conducted at various Schools, Shopping Malls, Offices, Residential Areas and Universities to create the much-needed awareness.

On 4th and 5th June 2016, a two-day roadshow was held at the AEON Ipoh Station 18 Shopping Centre to raise awareness among the shoppers. The roadshow received good response from the public and at the same time created awareness among the shoppers. During the roadshow, flyers and recycle bags were distributed to motivate and encourage interest in recycling. Volunteers at the roadshow were on hand to give advice on e-waste and lamp recycling.

To truly make an even greater and sustained impact, the campaign also focused on media coverage and interviews to get its message

across to a wide spectrum of the populace. On 19th July 2016, EW, CFL and FL Recycling Programme Organising Chair, Dr Tan Ching Seong was invited to a live radio interview on TRAXX.fm to talk about the proper handling of e-waste.

MyCIE/TEEAM has successfully established more than 40 drop-off collection points for the public to dispose their used e-waste/lamps. However, we also urge the manufacturers, retailers and building owners who have large quantities of used EW, CFL and FL, to kindly contact Kualiti Alam or the nearest recycler directly, for proper disposal of those waste materials. For more information, please visit MyCIE website at www.mycie.org.my.



Interviewed by TRAXX.fm – Dr Tan Ching Seong (EW, CFL & Recycling Programme Organising Chair) talks on the proper handling of e-waste.

Snapshots of EW, CFL & FL Recycling Roadshow @ AEON Ipoh Station 18 Shopping Centre



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ASEAN M&E Show 2016

ASEAN's Premier Mechanical and Electrical Engineering Show, ASEAN M&E 2016 was held from 23rd to 25th May 2016 at the Kuala Lumpur Convention Centre. The 3-day industry exhibition featured three power-packed engineering events held under one roof, namely, Refrigeration, Ventilation & Air-Conditioning (REVAC), Power & Electrical Industry (Tenaga Expo & Forum) and Green Technology & Renewable Energy (Green Energy Asia). The M&E show was organised by the official event organizer UBM Malaysia, and endorsed by the Malaysian External Trade Development Corporation (MATRADE) which is under the auspices of the Ministry of International Trade and Industry (MITI), Malaysia.

TEEAM is one of the supporting organisations of the expo and also participated as an exhibitor. The event was officiated by the

Honourable Minister of Works, YB Dato' Sri Haji Fadillah Haji Yusof who was represented by his Deputy. Besides local visitors, the industry-centric event attracted trade visitors from more than 50 countries including Australia, China, Germany, India, Japan, Korea, Singapore, Sweden, Taiwan, Thailand, USA and the United Kingdom. The event provided the largest gathering point, for delegates hailing from the mechanical and electrical engineering industries to meet, network and keep abreast of the changing technologies. Forum and technology symposiums were held concurrently during this M&E exhibition.

The next ASEAN M&E will be held in the year 2018. For more information about the show, please keep track and log on to www.aseanmne.com.



Official opening – Deputy Minister, YB Datuk Rosnah Abdul Rashid Shirlin representing the Works Minister during the ASEAN M&E 2016.



Networking – VIPs posing for the album.



Networking lunch – VIPs sharing a light moment.



Strong support – Perak PKPPE's delegation visited TEEAM's booth.

Snapshots of TEEAM Members during the ASEAN M&E Show 2016





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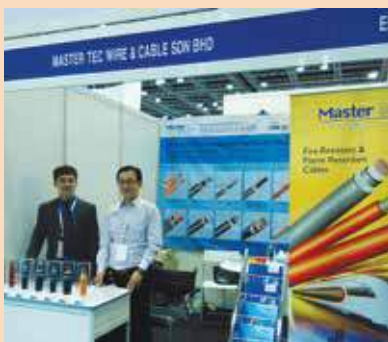
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Snapshots of TEEAM Members during the ASEAN M&E Show 2016





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Business Opportunity in Dubai & WETEX 2016

Malaysia External Trade Development Corporation (MATRADE) organised a business networking session with the Dubai Electricity & Water Authority (DEWA), Government of Dubai, United Arab Emirates on 20th May 2016. This event was held at Menara MATRADE, Kuala Lumpur. The objective for this business networking gathering was for delegates to obtain first-hand information on the various business opportunities and trade investments which are currently available in Dubai, and also to introduce the upcoming exhibition on water, energy and environment (WETEX 2016).

TEEAM President, Ir Chew Shee Fuee KMN, together with some TEEAM members, were present to show TEEAM's support for the event. They also attended the briefing and networking sessions. The key spokespersons for the event were Mr. Saeed Beljafla (Senior Manager – Government Relations, DEWA) and Mr. Syed Abdul Syed Abdul Hammed (Senior Manager – Contract, DEWA). The briefing highlighted business potentials in Dubai, the utility procurement scenario in Dubai-UAE, and information on doing business with DEWA.

The 18th series of WETEX 2016 will review the latest developments in conventional and renewable energy around the world. It will also feature business opportunities and potential partnerships to drive business globally.

WETEX 2016 will be showcasing the latest innovation and provides a one-stop platform for participants to promote and discuss all issues related to water, saving natural resources and building sustainable environments. WETEX 2016 is scheduled to be held from 4th to 6th October 2016 at the Dubai International Convention and Exhibition which will be held alongside The World Green Economy Summit in Dubai (United Arab Emirates).

After the briefing at MATRADE, all participants had the opportunity to meet and collaborate with the DEWA delegation. The session ended successfully with refreshment provided by MATRADE.

TEEAM is currently organising and also inviting participation from Malaysian companies to form the Malaysian pavilion at WETEX 2016. Members who are interested to take part may contact the TEEAM Secretariat. For more information about this exhibition, please visit www.wetex.ae.



Briefing – First-hand information from Mr Abdul Syed Abdul Hameed.



TEEAM President – Ir Chew Shee Fuee KMN, delivered his keynote address (right).



MATRADE CEO – Dato' Dzulkifli Mahmud welcoming the participants.



On the stage – (centre) MATRADE Deputy CEO, Dato' Susila Devi with DEWA Senior Managers: Mr Saeed Beljafla and Mr Abdul Syed Abdul Hammed (right).



TEEAM officials – (from left) Ir Chew Shee Fuee KMN (President), Mr C T Siew (Council Member) and Mr Suresh Kumar Gorasia (International Affairs Chairman & Past President).

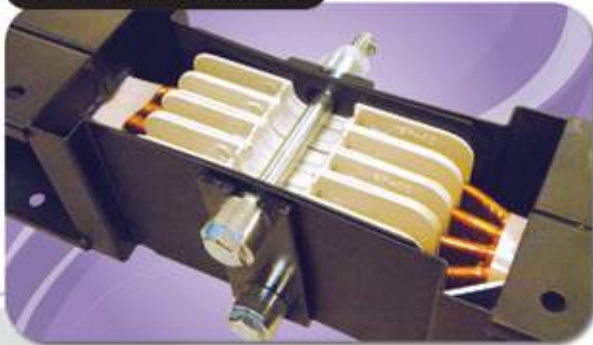


For the album – MATRADE, TEEAM and DEWA officials posing with all participants.

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Intermach & Subcon Thailand 2016

The Intermach and Subcon Thailand event has been ASEAN's largest international industrial machinery and subcontracting exhibition to date. The 2016 edition was co-organised by UBM Asia (Thailand), the Thailand Board of Investment (BOI) and the Thai Subcontracting Promotion Association. Held from 11th to 14th May 2016 at BITEC, Thailand, this overwhelming exhibition attracted more than 30,000 local and overseas buyers from eighteen different countries. Cutting edge technology from over 1,300 companies was showcased at the exhibition. During the duration of the exhibition, over 4,000 business matchmaking meetings were organised by BOI to link subcontractors with buyers.

The Official Opening Ceremony was officiated by H E Dr Atchaka Sibunruang, Minister of Industry, Thailand. Also present were Ms Ajarin Pattanapanchai, Deputy Secretary-General of BOI and Mr Manu Leopairrote, Chairman of UBM Asia (Thailand). They expressed their full commitment to be part of the development of the Thai manufacturing industries which will thus lead to the success of every Thai industrial sector to be able to compete successfully in the global marketplace.

A whopping 100 industry-centric conferences, seminars and workshops featuring the latest developments in the Automotive, Electrical and Electronics, Machinery and Mould and Die industries were organised during this mega exhibition. A special custom-designed Buyer's Village was arranged for industrial parts' buyers hailing from the Automotive, Electrical and Electronics, Aerospace and Medical Devices categories. The over-arching

objective was to provide a platform for them to present their needs for specific parts, and consequently suppliers were brought in to meet the buyers' needs.

TEEAM organised a 14-member delegation to visit the exhibition and also took part as an exhibitor to gain exposure to the opportunity-filled Thai market. TEEAM was one of the official supporting organisations. Next year's edition of Intermach & Subcon Thailand 2017 will be held from 17th to 20th May 2017 at BITEC Thailand. Members who wish to expand their businesses globally through this opportunity-laden launch-pad are strongly encouraged to participate in this forthcoming event. Kindly contact our TEEAM Secretariat for group bookings whereby cost effective discounted rates will apply.



Official Opening – VIPs at the Opening Ceremony.

Intermach & Subcon Thailand 2016





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Self-Test RCCB Campaign in Ipoh

Over the past two years of roadshows, TEEAM received the most overwhelming response for the national campaign on Self-Test Residual Current Circuit Breaker (RCCB) from the Ipoh Station in 2015. TEEAM conducted another roadshow in Ipoh this year to create more awareness and to brief the public on the importance of Self-Test RCCB at home. A 2-day roadshow was held on 4th & 5th June 2016 at the AEON Ipoh Station 18 Shopping Centre. This was jointly organised with the local State Associations, namely, the Perak Electrical Chargemen & Wiremen Competence Association (PKPPE) and the Perak Electrical Association (PEA). It was supported and sponsored by Schneider Electric Industries Malaysia Sdn Bhd.

TEEAM had invited officials from the Energy Commission (ST) Perak to join the event and to deliver the keynote address during the

opening ceremony. The ST Representative, Mr Muhammad Hasanol Mustafa, together with the Presidents of TEEAM, PKPPE and PEA, were present for the Official Opening of the event. TEEAM appreciates the media and newspaper coverages from NTV 7, 988 Radio Station, Sin Chew Daily, China Press, Nanyang Siang Pau and others for the Public Service Announcements (PSAs) and timely news publishing about this crucial life-saving safety programme for the masses.

This roadshow provided a good platform to successfully reach out to the set target of one million people in Malaysia, in order for them to understand the importance of the RCCB self-testing electrical safety procedure at home. The TEEAM roadshow was a great success and it received good response from the local community.



Great support – (from right) Mr Choong Soon Yean (PKPPE President), Mr Muhammad Hasanol Mustafa (ST Executive), Ir Chew Shee Fuee KMN (TEEAM President), Mr Chan Kaim Sam (PEA President) and Ms Maziah Mat (The Mall Manager).



Media publicity – TEEAM in an NTV7 news channel coverage.



Team work – PKPPE, PEA and TEEAM officials.



Demo – Mr Dahari Mat Siran (TEEAM Electrical & Safety Chairman) explained and showed the correct RCCB testing procedure to the general public.



Opening ceremony – Invited guest, Mr Muhammad Hasanol Mustafa (ST Executive) delivered his keynote speech.



Good response – The officials giving an explanation to the general public on home electrical safety.

NO MORE Electrocution!

Solar / Storage Water Heater Isolation Barrier



Comparison of water heater with Isolation Barrier and without Isolation Barrier



Reasons:

- The Storage / Solar Water Heater's tank is made of metal (conductive), and it is connected to a stainless steel hose, which is exposed to users.
- The earthing system in the entire house is inter-connected. Instead of being life-saving, it can become the root cause of electrocution simply due to the electro-mechanical failure of the RCCB (residual current circuit breaker) which is supposed to disconnect the circuit if it detects a leakage current. A leakage current happens when the electric current is not balanced between the live conductor and the neutral conductor.
- Refer to the picture without isolation barrier, the 14A is the load current of water heater = $3300/240 = 13.75$ approx. = 14A. The maximum leakage current should reach $240V/500 \text{ Ohm}$ (average body resistance under wet conditions) = 0.48 Amp. (Assume a total short). The key fact in electrical shock is that, any shock current is more than 0.01 Amp (10 mili Amp) can kill a person.

Water is conductive but it is not a good current conductor. Therefore, an isolation barrier is added to elongate the water pathway and turn it into a "non-conductive" pathway. Studies have shown that a 1.0 metre long pathway will reduce the electric current to less than 0.005 Amp (in compliance with IEC standard). It has also been studied and confirmed that if water is travelling through a 1.0 metre (3.3 feet) long pathway and in a 10 mm inner diameter hose, the electric current will not kill a person even if the person is standing barefoot on a wet floor. Therefore, when a user touches the stainless steel hose, it is still safe.

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Roadshow in AEON Ipoh Station 18 Shopping Centre on 4th & 5th June 2016





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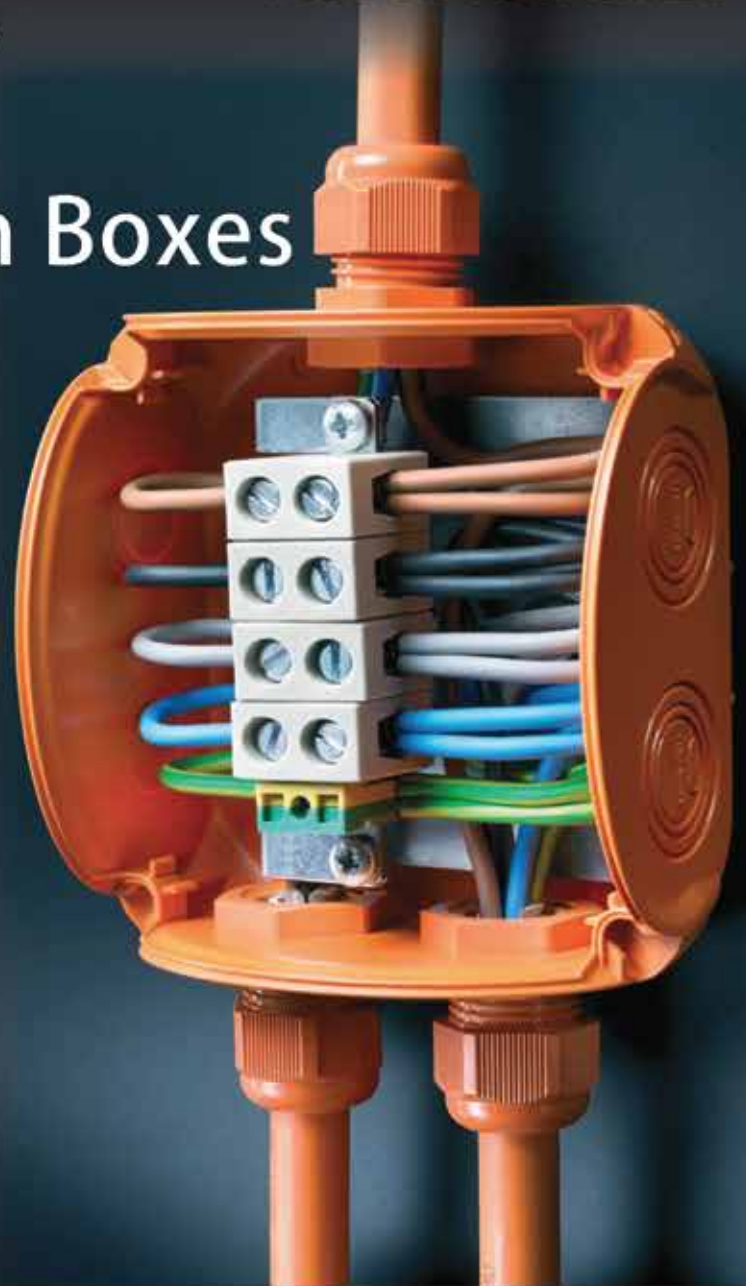
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TEEAM Golf Tournament 2016

The TEEAM Annual Golf Tournament this year attracted 96 golfers from member countries. It was a smooth game held at the Staffield Country Resort, Mantin, Negeri Sembilan on 27th July 2016, which teed-off in the afternoon.

TEEAM invited golfers from the Asean Federation of Electrical Engineering Contractors (AFEEC) member countries to join this event. Golfers from the Singapore Electrical Contractors and Licensed Electrical Workers Association (SECA) took part with a

total of eight golfers in attendance. It was a good platform for social and business networking.

TEEAM wishes to thank all golfers for the strong support for this Golf Tournament and in particular, the generous sponsors for this grand event. Well done!

(N.B. The list of winners and sponsors appear on pages 29 & 31 respectively)



All smiles – Great support from members of SECA, Singapore.



At the Greens – (from left) Mr Sek Yoke Keong (MEA Automation), Mr Chong Chee Siong (Wong Electrical), Mr Philip Por (Empire Chain) and Mr Gary Chooi (Candlelux Marketing).



Group Photo – Some 96 golfers gathered at Staffield Country Resort to vie for the TEEAM Golf Championship 2016.



Taking a break – Golfers enjoyed drinks and snacks sponsored by Fuji Electric, at the crossing hut.



Happy game – (from right) Mr Liang Kok Boon (TEEAM Sports Chairman) posing with his flight members: Mr Benson Yeoh (SeeWideLetric), Mr Lam Kim Hong (CTCI Systems) and Mr Liew Yew Choy (TEEAM Sports Committee Member).

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Cheers! – A happy gathering to forge closer ties among the golf enthusiasts.



Joyous meet – TEEAM officials and golfers posing with members of SECA, Singapore.



Excellence – (left) Mr Liang Kok Boon (TEEAM Sports Chairman) presented a Mitsubishi Table Fan to NTP (Western Hole 8) winner, Mr Paul Toh (Mittrich Systems).



Nett 5th Prize Winner – Ir Chew Shee Fuee KMN (TEEAM President) presenting a Lenovo Tab to (left) Mr Bunny Teh (President of Sabah Electrical Association, PES).



Overall Nett Champion – Ir Chew Shee Fuee KMN (TEEAM President) presenting the Nett Challenge Trophy, Replica and Sharp 50" SMART LED TV to (left) Mr Eddie Foo (Individual Member).



Overall Gross Champion – (centre) Mr Wong Jiann Shyong (EITA Electric) received the Gross Challenge Trophy, a Replica and Sharp 50" SMART LED TV. With him are (right) Ir Chew Shee Fuee KMN (TEEAM President) and Mr Liang Kok Boon (TEEAM Sports Chairman).



The lucky one! – (right) Mr Liang Kok Boon (TEEAM Sports Chairman) presenting the lucky draw prize of a Morgan Steamboat & BBQ Set to Mr Michael Tong (Guest of Nanyang Electric).



Awesome – TEEAM officials posing with the winners to cap off the successful Golf event.



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Golf Tournament 2016 Winners

GROSS

Gross Champion:

Wong Jiann Shyong

Trophy + Replica + Sharp 50" SMART LED TV

2nd Prize:

Francis Heng

Trophy + i-Pad Mini 3

3rd Prize:

Chong Kiun Yong

Trophy + Samsung Tab A8.0

4th Prize:

Goh Han Eng

Sharp 32" LED TV

5th Prize:

Foo Kok Fai

Lenovo Tab 2A

NETT

Nett Champion:

Eddie Foo

Trophy + Replica + Sharp 50" SMART LED TV

2nd Prize:

Lim Chee Chuan

Trophy + Samsung Tab A8.0

3rd Prize:

Goh Han Kim

Trophy + Samsung Galaxy J7

4th Prize:

Albert Kong

Sharp 32" LED TV

5th Prize:

Bunny Teh

Lenovo Tab 2A

6th Prize

Lim Yun On

3 Days/2 Nights stay at Swiss-Garden Golf Resort & Spa Damai Laut Voucher for 2 persons

7th Prize:

Eric Siaw

Sharp Cyclone Vacuum

8th Prize:

Rudy Chong Kiun Yow

Collaway Golf Bag

9th Prize:

Gary Chooi

Collaway Golf Bag

10th Prize:

Francis Foo Voon Kong

Sharp Microwave Oven

11th Prize:

Woo Soo Poo

Sharp Microwave Oven

12th Prize:

Alex Yoon Wan Teik

Morgan Grill with Steamboat

13th Prize:

Seow Nam Seng

Morgan Grill with Steamboat

14th Prize:

Chua Poh Aik

KDK Stand Fan

15th Prize:

Liew Yew Choy

KDK Stand Fan

NOVELTY EVENT

NTP (Western Hole 8):

Chong Kiun Yong

Mitsubishi Table Fan

NTP (Northern Hole 3):

Paul Toh

Mitsubishi Table Fan

NTP (Western Hole 5):

Soh Chean Seng

Mitsubishi Table Fan

NTP (Northern Hole 3):

Albert Teh

Mitsubishi Table Fan

Longest Drive (Western Hole 5):

Alex Neng

Panasonic DVD Player

Longest Drive (Northern Hole 3):

Alexander Richard

Panasonic DVD Player

Wooden Spoon

Lim Choon Chiang

DVD on Golf Lessons + Philips DVD Player + Wooden Spoon

Overall Gross Champion

Wong Jiann Shyong

TEEAM Gross Challenge Trophy

Overall Nett Champion

Eddie Foo

TEEAM Nett Challenge Trophy



Upcoming Sports Event

TEEAM Badminton Tournament 2016

Date : 16th & 23rd October 2016 (Sundays)

Time : 9:00am

Venue : Sports Forum 19, Petaling Jaya, Selangor

Registration : TEEAM Secretariat

Tel : +603-9221 4417

Fax : +603-9221 8212

E-mail : teeam52@gmail.com /

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TEEAM Bowling Tournament 2016

Date : 20th November 2016 (Sunday)

Time : 9:00am

Venue : Sunway Pyramid Mega Lanes

Registration : TEEAM Secretariat

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