

SUARA TEEAM



www.teeam.org.my

A publication of The Electrical and Electronics Association of Malaysia

66th issue



**Go Smart & Safe
with TEEAM**



SUN POWER AUTOMATION SDN BHD

EXCLUSIVELY



Susol

Ics = 100% of Icu



Metasol

L.V. Circuit Breakers & Contactor...



H.V. Cast Resin Transformers



**Variable Frequency Drive / Inverter
STARVERT Series**



XGT Series



PMU 30 Series

Transformer, Inverters, PLCs & HMIs

ELECTRONICON



Capacitors And Reactors

**OBO
BETTERMANN**



Surge Arresters

**Lovato
electric**



Digital metering instruments, Power regulators...

ESTA[®]



Medium Voltage Switchgears

Sun Power Automation Sdn Bhd (639503-W)

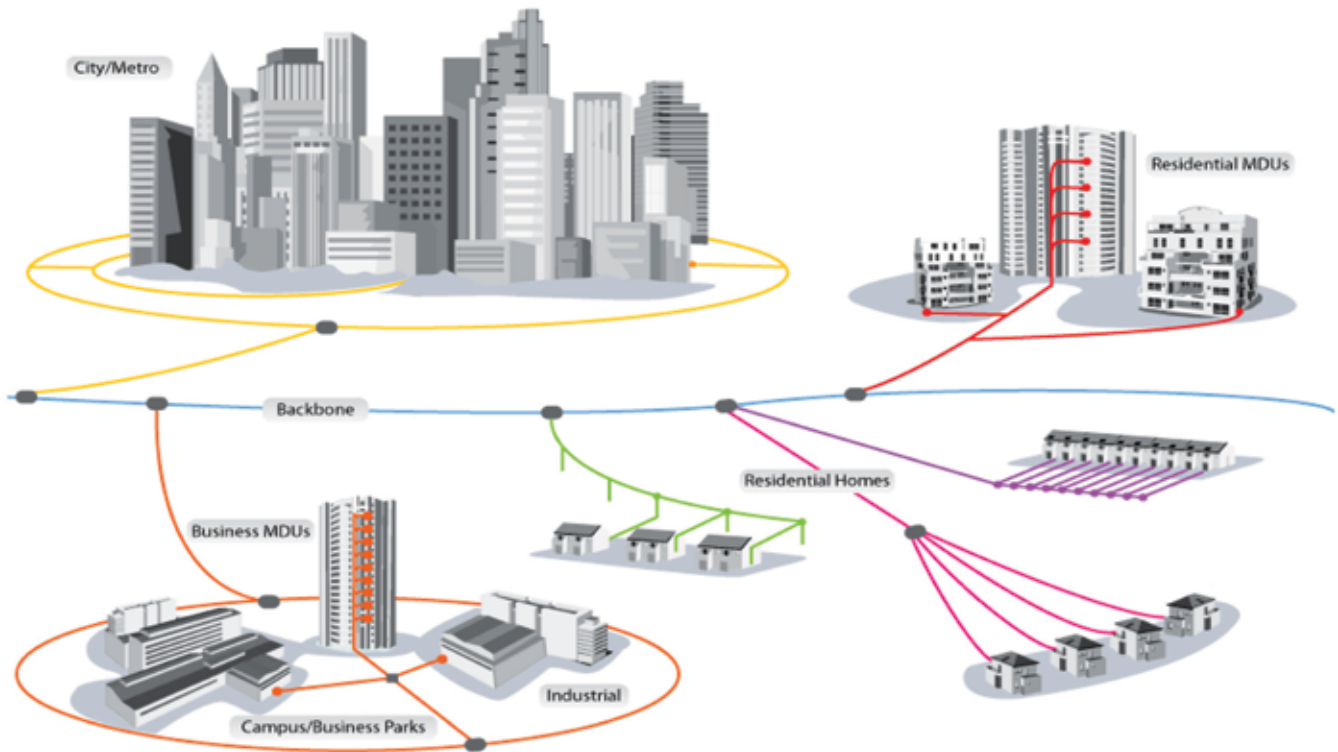
Lot 1554, Kg. Jaya Industrial Area, 47000 Sg. Buloh, Selangor, Malaysia.

Tel: +603-615 77 555 (Hunting), +603-615 78 396 Fax: +603-615 77 666

E-mail: general@sunpowerberhad.com.my



YOUR TOTAL FTTH NETWORK SOLUTION



A fiber network can stimulate business activity and improve quality of life. It is because of its ability to carry high-speed broadband services integrating voice, data and video, and runs directly from service provider's central office to the optical outlet at home or building.

That's why fiber networks are said to be "future proof" and we proudly present KOVA FTTH to bring you to the future!

KOVA FTTH Solution is the collaboration product between EITA with SENKO JAPAN.

We provide:

- Consultation
- Design
- Planning
- Supply
- Delivery



EITA POWER SYSTEM SDN. BHD. (279315-V)
(A Member of EITA Resources Berhad)
Lot 4, Block A, Jalan SS 13/7,
Subang Jaya Industrial Estate,
47500 Subang Jaya,
Selangor Darul Ehsan, Malaysia.
Tel: +603-5635 7088 Fax: +603-5635 6099
www.eita.com.my

Fully Local
Authority Approval

**36 Months
Warranty!**



CHINT SWITCHES

12 Years Warranty!



**THE BIGGEST LV COMPONENTS MANUFACTURER IN CHINA AND REGISTERED UNDER
SHANGHAI STOCK EXCHANGE (REG: 601877)**

**EPE
ENERGY**

ONE-STOP SOLAR (PV) SOLUTION

**10 Years Product Warranty!
25 Years Performance Warranty!
Reinsured by Munich Re, Germany!**

Poly Crystalline

Mono Crystalline

Grid-Tie PV Inverters



EPE Switchgear, Nilai



Prima Damansara High Rise



Commercial



**Malaysia
Projects**

Top Glove Tower



KL Eco Gallery



TDK
EPCOS CAPACITORS

Focus on Fast-Growing Leading-Edge Technology

Quality Product From German Technology



BR 6000/7000
Power Factor Controller



Capacitor Contactor



Thyristor



Detuned Reactor



Delta Cap
Capacitor



Phase Cap
Capacitor
(Gas Type)



Pole Cap
Capacitor



DIGITAL POWER METERS



POWER MANAGEMENT SYSTEM SOLUTION



ALPHA AUTOMATION (SEL) SDN BHD (372711-D)

No. 5, Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie, 40150, Selangor Darul Ehsan.

Website: www.alphasel.com

Email: alphamail@alphasel.com

Tel: +603-5569 3698

Fax: +603-5569 4099 / 5569 3749

TEEAM Office Bearers For Year 2013-2015

President

Ir Chew Shee Fuee KMN (G H Liew (1990) Engineering Sdn Bhd)

Deputy President

Ir Yong Ah Huat (Toshiba Transmission & Distribution Systems Asia Sdn Bhd)

Immediate Past President

Engr Fu Wing Hoong (EITA Resources Berhad)

Past President / Adviser

Dato' Ir Lee Peng Joo

Past Presidents

Suresh Kumar J Gorasia (Amalgamated Engineering & Co Commercial Co (KL) Sdn Bhd)

Vice Presidents

Dato' Ir Steven Ng Khoo Hwa (Individual)

David Chong Ah Nyap (Euro Electrical Sdn Bhd)

Subramaniam Karuppan (Kejuruteraan Elektrik Suria (M) Sdn Bhd)

Honorary Secretary

Theresa Lam Tze Kwan (Electrical Components Sdn Bhd)

Honorary Treasurer

Wong Chin Cheong (FACC Electrical Trading Sdn Bhd)

Assistant Honorary Secretary

Leonard Choong Kin Loong (KDK Fans (M) Sdn Bhd)

Assistant Honorary Treasurer

Michael Oan Cheng Hoe (Oon Brothers Electrical Trading Co Sdn Bhd)

Committee Members

Chan Kaim Sam (The Perak Electrical Association)

Ir Chang Yew Cheong (Abbaco Controls Sdn Bhd)

Cheah See Yeong (Penang Electrical Merchants' Association)

Chew See Kheng (Negeri Sembilan Electrical Engineering Association)

Chong Kwong Fah (See Wide Letrik (Selangor) Sdn Bhd)

Chong Yoon Koon (Chong's Engineering Trading & Company)

Dahari Mat Siran (Hager Engineering (M) Sdn Bhd)

Francis Chew Joon Fah (Sarawak Electrical Association)

Gan Seng Chong (Malacca Electrical Contractors & Traders Association)

Hii Hua Chuon (Electrical Association of Sarawak & Sabah)

Ho Khai Hong (Sim Brothers Electric Co)

Ir Kok Yen Kwan (NK Engineers Sdn Bhd)

Lawrence Lai Kun Hoong (Covis Sdn Bhd)

Leong Kam Meng (Johor Bahru Electrical & Electronics Association)

Engr Leong Kam Seng (Cahaya Fasa Sdn Bhd)

Liang Kok Boon (Chi-Tak Electrical (Sel) Sdn Bhd)

Ir Lim Kim Ten (Individual)

Mark Gau (Schneider Electric Industries (Malaysia) Sdn Bhd)

Ong Ah Cheong (Individual)

Ooi Eng Guan (Y2K Electric (M) Sdn Bhd)

Perumal Vengadasalam (Individual)

Ricky Lim Lip Kee (Sandakan Electrical Engineering Association, Sabah)

Siew Choon Thye (Gruppe Lighting Solution Sdn Bhd)

Engr Simon Leong (Federal Electrical Engineering Sdn Bhd)

Stan Lim Hui Ming (Nanyang Electric Co (M) Sdn Bhd)

Tan Eng Liang (TCME Engineering Services Sdn Bhd)

Tan Sean Chee (Lysaght Marketing Sdn Bhd)

William Young Chee Keong (Eura Industrial Thermoplastics (M) Sdn Bhd)

Bunny Teh Bung Nee (Sabah Electrical Association)

Technical Adviser

Ir Rocky Wong Hon Thang (Individual)

Legal Adviser

Lee Wah (Individual)

Internal Auditors

Fong Mun Loon (Letrik P J Union Sdn Bhd)

Yong Kim Yun (Translite Electric Sdn Bhd)

Trustees

Ir G H Liew (G H Liew Engineering Services Sdn Bhd)

Lim Yok Kee (Nanyang Electric Co (M) Sdn Bhd)

Suresh Kumar J Gorasia (Amalgamated Engineering & Commercial Co (KL) Sdn Bhd)

Wong Chin Cheong (FACC Electrical Trading Sdn Bhd)

Secretariat

Winnie Khong (Executive Secretary)

State Association Members

Electrical Association of Sarawak and Sabah

Johor Bahru Electrical & Electronics Association

Malacca Electrical Contractors & Traders Association

Negeri Sembilan Electrical Engineering Association

Penang Electrical Merchants' Association

Sabah Electrical Association

Sandakan Electrical Engineering Association, Sabah

Sarawak Electrical Association

The Perak Electrical Association

SUARA TEEAM

A Publication of The Electrical and Electronics Association of Malaysia

Publisher & Editorial:

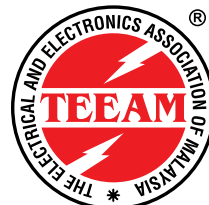
The Electrical and Electronics Association of Malaysia

No. 5-B, Jalan Gelugor, Off Jalan Kenanga, 55200 Kuala Lumpur, Malaysia.

Tel: +603 - 9221 2091, 9221 4417 Fax: +603 - 9221 8212

E-mail: teeam@teeam.org.my or teeam52@gmail.com

Website: www.teeam.org.my Facebook: www.facebook.com/teeam.org.my



Contents

TEEAM Activities

From the Editor's Desk	5
TEEAM 62nd Anniversary Dinner	7
Wiring Design Workshop	19
CEPSI 2014 Jeju Korea	21
Self-Test RCCB National Campaign	25
Japan Technology Forum & Business Meeting	31
TEEAM at PES 18th Anniversary Dinner	33
Seminar on Harmonics in 3-Phase Network	35
Seminar on How to Achieve Good Electrical Connections	37
Business Opportunity in Dubai & WETEX 2015	39
CFL & FL Recycling Programme	43
Badminton Tournament	47
Talk on GST Implementation	49
Malaysia CIE News	53
TEEAM at Igem 2014	59
State Associations News	65
New Members	77
Launching of Conway Showroom	83

Technical Article

Earthing System Copper Rod and Accessories	75
Diagnostic Testing of Transformer Oil	87

Feature Article

Chinese Medicine – Diagnostic Precepts	81
--	----

Information

AFEEC/FAPECA Conference & Meeting 2015	37
Challenges and Opportunities in Electrical Industry – Part 23	55
Guangzhou International Lighting Exhibition 2015	61
Subcon Thailand 2015	75
New Books in Our Library	77
Power-Gen Asia 2015	87
Reader Service Information	89
Advertisement Booking Form	89
Membership Application Slip	89
Advertisers Index	91

Highlights



TEEAM 62nd Anniversary Dinner

page 7



Wiring Design Workshop

page 19



CEPSI 2014 Jeju Korea

page 21



Self-Test RCCB National Campaign

page 25



CFL & FL Recycling Programme

page 43



Badminton Tournament

page 47

LYCORPOLE®



- Street Lighting Poles
- Decorative Lighting Poles
- Park Lighting Poles
- Mono Poles
- Antenna Poles
- CCTV Poles
- High Masts
- Stadium Floodlighting Masts
- Floodlighting Poles
- Mid-Hinged Columns
- Hydraulic Hinged Poles
- Flag Masts/Flag Poles
- Advertising High Masts
- Traffic Signal Masts
- Traffic Light Poles
- Traffic Sign Gantry
- Power Transmission Poles
- Power Distribution Poles
- Telecommunication Poles

STANDARDS

QMS: BS EN ISO 9001/MS ISO 9001: 2008 LYSAGHT GALVANIZED STEEL BERHAD

LYCORPOLE® Hot Dip Galvanized columns, masts and poles are designed and manufactured in accordance with BS EN 40, BS 6399-2, BS EN 10025, BS EN 1011-1, 2, Institution of Lighting Engineers Technical Report No. 7, AS 4100, AS 1170.2, AS 1798, AS 2979, AS/NZS 4676, AS/NZS 4677, AWS D1.1 and AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

Hot Dip Galvanized to BS 729, BS EN ISO 1461, ASTM A123, ASTM A153 or AS/NZS 4680 is a standard feature. Where specified upon request, our Hot Dip Galvanized products can be enhanced with additional Powder Coating with oven baked PE-F polyester based powder to BS 6497 to withstand weather and UV resistance for anti-chalking and colour stability.



Certificate No. KLJ10403332



Certificate No. PL006101
Certificate No. PL006402



LYSAGHT MARKETING SDN BHD (Co. No. 102382-M)

No. 11, Jalan Majistret U1/26, Seksyen U1, Hicom-Glenmarie Ind. Park, 40150 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel: [603] 7880 3750 Fax: [603] 7880 3720 Email: lysaght_sales@lysaghtmarketing.com.my

IPOH - Tel: [605] 546 8278 Fax: [605] 546 3589 Email: lysaghtipoh@lysaghtmarketing.com.my

SARAWAK

Tel : [082] 245 145
Fax : [082] 237 311

SABAH

Tel : [603] 7880 3750
Fax : [603] 7880 3720

SINGAPORE

Tel : [65] 6862 4331
Fax : [65] 6862 1242
Email : lysaght@singnet.com.sg

www.lysaghtmarketing.com.my

2013-2015 Publication Sub-Committee

Chairman

Theresa Lam Tze Kwan
Electrical Components Sdn Bhd
Tel: +603-5637 7302
Fax: +603-5634 3961

Vice Chairman

Yong Kim Yun
Translite Electric Sdn Bhd
Tel: +603-9222 2433
Fax: +603-9222 1448

Treasurer

Steven Koh Heng Ken
Lever E & E Sdn Bhd
Tel: +603-6272 3299
Fax: +603-6272 3296

Editor

Ir Chew Shee Fuee KMN
G H Liew Engineering (1990) Sdn Bhd
Tel: +603-7954 8675
Fax: +603-7954 8450

Committee Members

Chong Yoon Koon
Chong's Engineering Trading & Company
Tel: +603-2148 3046
Fax: +603-2148 3046

Ooi Eng Guan
Y2K Electric (M) Sdn Bhd
Tel: +603-7782 7785
Fax: +603-7781 5221

Perumal Vengadasalam
Individual Member
Tel: +603-8942 5451
Fax: +603-8942 1954

Sundararaju Thandava Moorthi
Speco Bumi Elektrik Sdn Bhd
Tel: +605-452 7980
Fax: +605-452 9129

Wong Chin Cheong
FACC Electrical Trading Sdn Bhd
Tel: +603-2141 0311
Fax: +603-2148 7560

Suara TEEAM is distributed free of charge to TEEAM members and selective organisations. For those who wish to purchase a copy, the cost is RM18.00 which includes postage within Malaysia. For overseas order, please check with the publisher.

Circulation

TEEAM Secretariat
Tel: +603-9221 2091
Fax: +603-9221 8212

Contribution of Articles

Albert Tan
E-mail: albert@conway.com.my

Ir Chew Shee Fuee KMN
E-mail: sfchew@ghliew1990.com

Henry Ang
E-mail: henry.ang@tjh2b.com.my

Artwork & Design

Bee Communication & Marketing
No. 57, Jalan Indah 2/9, Taman Universiti Indah,
43300 Sri Kembangan, Selangor Darul Ehsan.
Tel: +603-8957 7012 Fax: +603-8957 7012

Printer

CP Printery Sdn Bhd
No. 3 & 5 & 7, Jalan Balakong Jaya 5,
Taman Industri Balakong Jaya,
43300 Kajang, Selangor Darul Ehsan.
Tel: +603-8961 1966 Fax: +603-8961 8996

From The Editor's Desk



Abelated Happy Chinese New Year to those who ushered in the Year of the Goat.

The government GST implementation is less than a month away now. I believe all of us are fully ready to comply with the new tax system.

The sudden drop of oil price has been received with mixed feelings especially for us in Malaysia. We welcome the reduction in petrol price at the pump but worry about the nation's income because our revenue will be reduced considerably. We are actually affected by the currency exchange depreciation due to the impending reduction caused by oil price.

Growth forecast for 2015 is lowered to 4.5% - 5.5% and 2015 fiscal deficit target is widened to 3.2 % of GDP. The revised budget assumes world oil price of US\$55 instead of US\$100. As usual we need to venture with more caution in times of uncertainty. Construction demand is still in vogue in view of ongoing projects. However, Oil and Gas is seriously impacted and it is hard times for those providing services in this area.

When you read this issue of SUARA, it is also time to take part in the Electric, Power & Renewable Energy Malaysia (EPRE), the 11th International Exhibition of Transmission & Distribution and Electrical Engineering for the EPRE 2015 Region to be held from 25th to 27th March 2015 at Kuala Lumpur Convention Centre.

TEEAM's national campaign on SELF TEST of RCCBs with roadshows has been successfully held in many locations. The great contribution from the Working Committee is appreciated. We continue to request for your support to achieve the target of SELF TEST of RCCBs in a Million homes by May 2015.

The collection of USED CFLs and FLs remains to be our continuous effort to reduce mercury pollution in the country. We urge our government agencies to implement permanent solutions for such collection.

We hope you can visit our website www.teeam.org.my frequently to get the relevant information that is useful to you.

Regards,

Ir Chew Shee Fuee KMN
Editor
Suara TEEAM



DW810
100mm Angle Grinder



Authorised Distributor for below brands :



KUASA JATI SDN BHD (550836-X)

No. 23, Jalan Anggerik Vanilla U31/U, Kota Kemuning, 40460 Shah Alam,
Selangor Darul Ehsan, Malaysia. Email: info@kuasajati.com
Tel: +603-5122 8859, +603-5131 8858 Fax: +603-5121 8859

www.kuasajati.com

TEEAM 62nd Anniversary Dinner

The TEEAM's 62nd anniversary was celebrated on 27th September 2014 with a grand dinner of 111 tables at The Majestic Hotel Kuala Lumpur. YBhg Datuk Loo Took Gee (KeTTHA Secretary General) represented YB Datuk Seri Panglima Dr Maximus Johnity Ongkili, Minister of Energy, Green Technology and Water (KeTTHA) as the Guest of Honour. The theme of the night was "Go Smart & Safe with TEEAM". The Dinner Organising Committee was chaired by Ir Yong Ah Huat who is also the TEEAM Deputy President.

The dinner was attended by some distinguished guests that included Tan Sri Datuk Mustafa Mansur (MSAC Chairman), Dato' Hj Abdul Razak Abdul Majid (ST Chairman), Ms Fadilah Baharin (Director General of Standards Malaysia), Mr Aat Rusiadi (AFEEC Secretary General), Datuk Ir Ahmad Fauzi Hasan (ST Chief Executive Officer) and Ir Ahmad Hadri Haris (Greentech Chief Executive Officer).

Opening gambit was a stunning laser and LED dance. Guests and members were entertained by singer, Reno with powerful songs and a live band. Highlights of the celebration were the presentation of the Best Contractor Awards (Residential, Infrastructure, Commercial, and Industrial categories), Best Innovation Awards, and Honorary Services 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 making history of having 111 tables, a record in 62 years of TEEAM's history.

"TEEAM has come a long way and we hope we are playing the role in making our industry relevant and beneficial to our members and the public. We are very grateful to the support of the government and trade associations in delivering our goods and services to a level acceptable by all. TEEAM will support all efforts in promoting Energy Efficiency because it is a viable approach to reduce energy consumption. Energy resources are becoming scarce and limited due to the increasing use of modern amenities. This approach will spur innovation and address the efficient use of electricity in particular. The major areas for us will be lighting and air-conditioning" said Ir Chew.

TEEAM hopes to see more renewable energy (RE) being used to reduce the dependence in fossil energy resources. In the areas of biomass and solar PV, it is hoped that there will be a greater increase in the generation of electricity. As the cost of energy remains high, RE will have a better future and it is



Guest of Honour – YBhg Datuk Loo Took Gee (KeTTHA Secretary General) graced the dinner.

an essential element to address the climate change challenge.

TEEAM has proposed the initiative to increase power factor (PF) at all levels of distribution of electricity. Incentives are proposed for consumers who can maintain PF higher than the minimum imposed



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



Dinner Organising Chairman – Ir Yong Ah Huat thanked all sponsors, guests and members for the continued support extended to TEEAM.



TEEAM Council Members – A group photo was taken before the dinner.

Solutions for Electrical Energy Efficiency



Portable Power Analyzers



Power Quality Analyzers



Digital Power Analyzers & Digital Power Meters



Energy SCADA Software



Solutions for Electrical Distribution + Installation Systems



Metering + Current Transformers



Switches



Ventilating Blowers



Control Units & Relays



Anti-condensation Heaters



Plug & Sockets, Distribution Boards,
Junction boxes



Contactors & Motor Starters



Inverters & Soft Starters



Microswitch & Levers



Solutions for Lighting Systems



Indoor Lightings



Architectural Lightings



Industrial Lighting



Large Area & Street Lighting

Sole distributor



INDUSTRIAL AUTOMATION (M) SDN BHD (29039-D)

158 JALAN LOKE YEW, 55200, KUALA LUMPUR, MALAYSIA Tel: +603-9235 2888 / Fax: +603-9222 2299 Email: inquiry@iasb.com.my

KUALA LUMPUR
Tel: +603-9235 2888

KLANG
Tel: +603-3332 2627

JOMOR BARU
Tel: +607-288 8514

BUTTERWORTH
Tel: +604-321 9901

IP OH
Tel: +605-253 4052

MELAKA
Tel: +606-217 8371

SG PETANI
Tel: +604-818 5222

SATU PAHAT
Tel: +607-433 1888

KUANTAN
Tel: +609-568 1321

KUCHING
Tel: +6016-888 8997



..... Continue TEEAM 62nd Anniversary Dinner

by the electricity tariff. It is believed that the investment in power factor correction ultimately benefit the user and supplier of electricity.

Ir Chew went on to mention that Malaysia will be a signatory to the minamata convention on mercury. This is a multilateral agreement that addresses the devastating effects of mercury through practical actions that will reduce global levels while promoting sustainable development. TEEAM has received funding from GEF (Global Environment Facility) for SGP (Small Grants Programme) to promote the recycling of fluorescent lamps and compact fluorescent lamps. TEEAM hopes to influence the government on this recycling issue.

On the issue of electrical safety awareness, Ir Chew highlighted the number of deaths caused by electrocution in relation to water heaters and TEEAM has launched a nationwide self-test RCCB awareness & safety campaign in June. TEEAM strongly believes that protective devices can save lives and therefore it is necessary to ensure that these devices are in good working condition.

Guest of Honour, YBhg Datuk Loo Took Gee conveyed the greetings of YB Datuk

Seri Panglima Dr Maximus Johnity Ongkili who was unable to attend due to a prior commitment and proceeded to deliver the Minister's keynote address. In the Minister's text, it was highlighted that for Malaysia, demand for electricity is projected to increase at an annual average of 2.4% for the period from 2010 to 2030. Currently, the energy mix is made up of coal about (50.4%), gas (45%), hydro power (5%) and oil (0.4%). The supply of coal for electricity generation is fully imported from other countries such as Indonesia, Australia and South Africa. Thus, the issue of supply risk is one of major issues governing coal consumption. With the current oil and gas reserves depleting over the years, Malaysia has to take the necessary steps to address the issue of sustainability of its energy supply. Thus, the government has begun to give more importance by leveraging on renewable energy sources and energy efficiency as an alternative energy supply.

To further promote renewable energy in the country, the government had implement a price support mechanism known as 'feed-in-tariff' (FiT) for power generated from renewable energy resources. FiT have taken us to a greater heights in the development and deployment of renewable energy. In Malaysia, plenty of opportunities have been created from renewable energy development and this will open up new area for research as well as investment.

Lighting and air-conditioning form the major electricity loads. LED lighting has made tremendous inroads in its application and this will in return reduce the electricity consumption in general. The government



Posing with GoH – (from left) Dato' Hj Abdul Razak Abdul Majid (Chairman of Energy Commission), Ir Chew Shee Fuee KMN (TEEAM President), YBhg Datuk Loo Took Gee (Secretary General of KeTTHA), Ir Yong Ah Huat (Dinner Organising Chairman) and YBhg Tan Sri Datuk Mustafa Mansur (Chairman of Malaysian Standards and Accreditation Council).

had already imposed that the ambient air-condition temperature for all government buildings be kept at no less than 24 degree celsius, we can save a great amount of energy. However, it can only be implemented if we have temperature indicators prominently displaying the actual temperature of all large rooms. Great savings in energy cost can be made just by educating the public to appreciate the correct ideal temperature of air-conditioned rooms. The Ministry called on TEEAM to continue working closely with the government towards addressing the energy supply and demand challenges to ensure the sustainability of Malaysia's precious energy resources.

The excitement for the night was the lucky draws with attractive prizes given away to the lucky winners. The grand lucky draw prizes were Toshiba brand of 55" LED TV, 480L Inverter Refrigerator, 10kg Circular Air Intake Washer, 290L Hybrid Bio Refrigerator and a 32" LED TV.

The grand celebration was a huge success registering a turnout of 1,110 guests and members by far the largest turnout 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.



Thank you – (left) Ir Chew Shee Fuee KMN (TEEAM President) presenting a memento to Guest of Honour, YBhg Datuk Loo Took Gee (KeTTHA Secretary General).



Catching up – TEEAM Council Members networking with some guests.



Lovely night – (from left) Mr William Young (TEEAM Council Member), Ms Theresa Lam (TEEAM Honorary Secretary), Mrs Lily Chew (First Lady), Ir Chew Shee Fuee KMN (TEEAM President) and Mr Ooi Eng Guan (TEEAM Council Member).

Raytek The Worldwide Leader in Noncontact Temperature Measurement
A Fluke Company



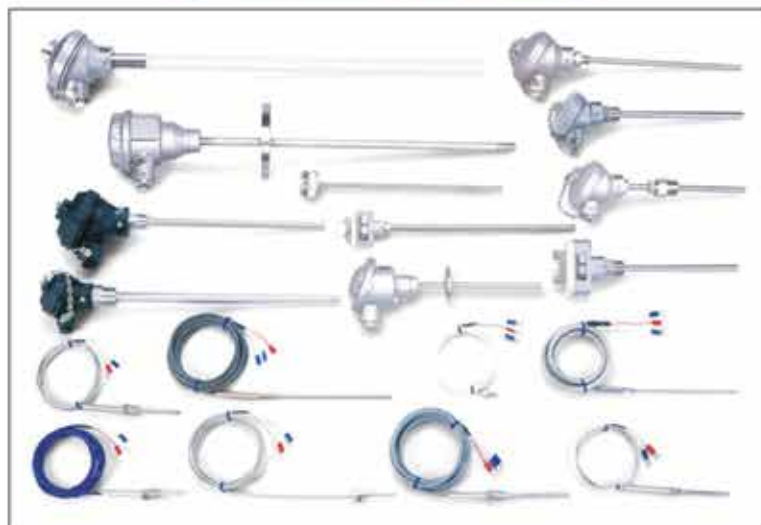
SHIMADEN

Series SRS 11/13/14
SHIMADEN DIGITAL CONTROLLER

NEW! CE approved RoHS compliance



MALTEC-T



Full SIL assessment

Our safe isolation barriers have multifunctional input and output and can easily be implemented as your site standard



Ohkura

Paperless Chart Recorder
VM7000



New Functions

Up to 48 points measurement value in ONE recorder

- Easy Operation by Touch Panel
- Powerful and Cost Effective

MALTEC-H



dpstar Thermo Control Electric Sdn. Bhd. [Co No. 387517-A]

No. 39-G, Jalan OP 1/2, Pusat Perdagangan One Puchong,
Off Jalan Puchong, 47160 Puchong, Selangor Darul Ehsan, Malaysia.

Tel : 603-8071 6722 / 6322 | Fax : 603-8071 5633 / 6822 | E-mail: info@dpstar.com.my | Website: www.dpstar.com.my

..... Continue TEEAM 62nd Anniversary Dinner



Powerful voice – Singer Reno.



Stunning opening gambit – Laser and LED dance.

Snapshots @ TEEAM's 62nd Anniversary Dinner Photo Booth





- **100% Manufacture in Europe**
- **Comply to IEC 60898-2, IEC 60947, IEC 61008 and etc**

SCH TEKNIK SDN BHD

[Co. No. 920073-U]

No. 34 (Ground Floor), Jalan USJ1/1C, Regalia Business Centre, 47620 Subang Jaya, Selangor Darul Ehsan.
Tel : +603 8023 9018 / 8023 9017 Fax : +603 8023 9016 Email : schteknik@gmail.com

..... Continue TEEAM 62nd Anniversary Dinner



A night to network – (from left) Ms Hoh Jee Eng (HKTDC Director), Mr Ooi Eng Guan (TEEAM Council Member), Ms Voon Miao Thin (KeTTHA Special Officer to Secretary General), Mr Kim Sang Mook (KOTRA Director General), Mr Suresh Kumar Gorasia (TEEAM International Affairs Chairman & Past President), Ms Jessie Tseng (Taiwan Trade Centre Director) and representatives from Taipei Economic & Cultural Office in Malaysia: Mr Kuo Chien Hung (Third Secretary of Economic Division) & Mr Chang Ming (Head of Economic Division).



All smiles – (from left) Mr Tan Eng Liang (TEEAM Council Member), Mr Tan Long Kee (SWEDA President), Mr V Perumal (TEEAM Council Member), Ir Tiah Oon Ling (REHDA Deputy Secretary General), Ir Tan Yan Chin (IEM Deputy President), Ar Mohd Zulhemlee An (PAM Deputy President), Mr William Young (TEEAM Council Member) and Sr Chan Kent Lim (RISM Honorary Secretary General).



For the album – (from left) Mr K Subramaniam (TEEAM Vice President), Mrs & Ir Rocky Wong (TEEAM Technical Adviser), YBhg Dato' Ir Hj Mohd Fazli Osman (Senior Director of JKR Electrical Engineering Branch), Mr Leonard Choong (TEEAM Assistant Honorary Secretary) and (standing) Mr Lim Kim Ten (TEEAM Council Member).



Support from Local Associations – (seated from left) Ar Sarly Adre Sarkum (President of Malaysia Green Building Confederation), Mr Peter Tan (MARCA Honorary Secretary) and Ir G H Liew (TEEAM Past President). (standing from left) Ir Wong See Fong (ACEM President), Dato' Ir Steven Ng (TEEAM Vice President), Mr Kenneth Liew (MBAM Council Member) and Mr Ho Khai Hong (TEEAM Council Member).



Support from AFEEC members – (seated from left) Mr David Chong (TEEAM Vice President), Mr Boonsak Kiatjaroonlert (TEMCA Vice President of International Affairs), Mr Teerapob Pongpittayapa (TEMCA Deputy Secretary General), Mr Edward Kway (SECA Honorary Secretary), Engr Leong Kam Seng (TEEAM Council Member), Mr John Tan (SECA Vice President) and Mr Bernard H Morillo (SPECS President) (standing from left) Dato' Ir Lee Peng Joo (TEEAM Past President), Ir Steven Wang (SECA President) and Mr Pablito R Freo (SPECS Chairman).



Support from States Associations – (seated from left) Mr & Mrs Bunny Teh Bung Nee (PES President & Spouse), Mr Chong Yoon Koon (TEEAM Council Member), Mr Fong Mun Loon (TEEAM Internal Auditor), Mr Chan Kaim Sam (PEA Deputy President) and Mr Hii Hua Chuon (EASS President). (standing from left) Mr Francis Chew Joon Fah (SEA Chairman), Mr Liang Kok Boon (TEEAM Council Member) and Mr Leong Kam Meng (JBEEA President).



- Cylinder dry type, 440V & 525V
- Range available: 1, 1.5, 2, 2.5, 5 kVAR
10, 15, 20, 25, 30, 40, 50 kVAR
- Other voltages and kVAR available upon request.



- Industrial relays & sockets
- All models comes with LED modicator & manual test button



MCCB



Drives



MCCB



Contactor



MCB

CHINT



Mikro
moving technology

- Earth Leakage Relays
- Power Factor Regulator
- Combined Overcurrent & Earth Fault Relays

Soft Starter



ABB

..... Continue TEEAM 62nd Anniversary Dinner



Happy Occasion – (from left) Engr Fu Wing Hoong (TEEAM Immediate Past President), YBhg Datuk Ir Ahmad Fauzi Hasan (CEO of Energy Commission), Ir Ahmad Hadris Haris (CEO of Green Tech), Mr C T Siew (MyCIE Chairman/TEEAM Council Member), Mrs Patsy Fu (Spouse), Ms Theresa Lam (TEEAM Honorary Secretary).



Lucky star – The grand lucky draw winner was Ms Heng Mun Peng (front centre) from Galvapole Industries Sdn Bhd. Congratulation!

TEEAM Best Contractors Awards 2014



Residential Category - Bond M & E (KL) Sdn Bhd



Infrastructure Category - Cable Line Electrical & Engineering Sdn Bhd



Commercial Category - SLEEVE ENGINEERING Sdn Bhd



Industrial Category - Sunway Engineering Sdn Bhd

TEEAM Best Innovation Awards 2014



Special Merit - EITA Resources Berhad



Merit - Electrical Components Sdn Bhd



Commendation - Datmel Technology Sdn Bhd



YOUR INDUSTRIAL LABELLING SOLUTION PARTNER

Perfect for labelling:

- ☒ Cables, Wires & fiber
- ☒ Faceplates and Outlet Covers
- ☒ Load Centers
- ☒ Security Systems
- ☒ Audio / Visual Setups

Brother Malaysia has provides **FREE** product presentation with a premium appreciation gift. For door-to-door service, please call 03-7884 9999 for appointment



PT-9700PC



PT-E300VP



PT-E550WVP

Brother Careline: 03-7884 9999 / Email: atyourside@brother.com.my

Brother International (Malaysia) Sdn. Bhd. (529739-H)
T1-5, 5th Floor, Tower 1, Jaya 33, No. 3, Jalan Semangat, Seksyen 13, 46200 Petaling Jaya, Selangor Darul Ehsan, Malaysia.
Tel: (603) 7884 9999 Fax: (603) 7884 9911 Customer Service operation hours: Monday - Friday: 8.30am - 5.30pm,
Saturday: 8.30am - 1.00pm (Except for public holidays)

BROTHER INTERNATIONAL CORP., JAPAN
BROTHER INTERNATIONAL (M) SDN BHD (529739-H)



A Big Thank You to Our Dinner Sponsors

TEEAM would like to thank the following sponsors for their support to our 62nd Anniversary Dinner.

Diamond (RM 25,000)

Toshiba Transmission & Distribution
Systems Asia Sdn Bhd

Platinum (RM 18,000)

Bond M & E (KL) Sdn Bhd
EITA Resources Berhad
Oon Brothers Electrical Trading Co
Sdn Bhd

Gold (RM 12,000)

A. F. S. Engineering (Malaysia) Sdn Bhd
C. S. Yap Metalparts Industries Sdn Bhd
KDK Fans (M) Sdn Bhd
Malaysian Exhibition Services Sdn Bhd
Panasonic Malaysia
Tenaga Nasional Berhad
Universal Cable (M) Berhad / Leader
Cable Industry Berhad

Door Gift

Philips Malaysia Sdn Bhd

Silver (RM 6,000)

ACEI Systems Sdn Bhd
Cable Line Electrical & Engineering
Sdn Bhd
Chi-Tak Electrical (Sel) Sdn Bhd
City-Lite Letrik Sdn Bhd
dpstar Group
Euro Electrical Sdn Bhd
EWT Transformer Sdn Bhd
Galvapole Industries Sdn Bhd
Gemilite Sdn Bhd
Industrial Automation (M) Sdn Bhd
Infrakomas Sdn Bhd
Lysaght Marketing Sdn Bhd
Mega Mayang M & E Sdn Bhd
Megahock Pipes & Profile Manufacturing
Sdn Bhd
Megapower Electrical Distributions (M)
Sdn Bhd
RHB Bank Berhad
Sama Kebel Sdn Bhd
Schneider Electric Industries (M) Sdn Bhd
SJEE Engineering Sdn Bhd
SME Electric Sdn Bhd
Southern Cable Sdn Bhd
Success Electronics & Transformer
Manufacturer Sdn Bhd

Sunway Engineering Sdn Bhd
Syarikat See Wide Letrik Sdn Bhd
TCME Engineering Services Sdn Bhd
Teknopuri Sdn Bhd
UMS-Neiken Mfg (M) Sdn Bhd
WH Electrical Marketing (M) Sdn Bhd
Wing Hup Elektrik Sdn Bhd
Wong Electrical & Teak Wood Sdn Bhd

RM 2,880

Active Hi-Tech Engineering Sdn Bhd
Autovation Sdn Bhd
Bestlite Electrical Sdn Bhd
Covis Sdn Bhd
Critical System Specialist Sdn Bhd
Datmel Technology Sdn Bhd
Davex (Malaysia) Sdn Bhd
DS Technology / Green Tech / LM Lighting
EITA Technologies (Malaysia) Sdn Bhd
Electrical Association Sarawak & Sabah
Electrical Components Sdn Bhd
Fajar Cables Sdn Bhd
FACC Electrical Trading Sdn Bhd
Fireworks Event (M) Sdn Bhd
G & H Electrical Trading Sdn Bhd
G. H. Liew Engineering (1990) Sdn Bhd
Genuine Electric Sdn Bhd
Gruppe Lighting Solution Sdn Bhd
Hang San Electrical Supplies Sdn Bhd
Jumbohan Marketing Sdn Bhd
Kitlite Letrik Sdn Bhd
KVC Industrial Supplies Sdn Bhd
L. V. Control Sdn Bhd
Letrik P. J. Union Sdn Bhd
Lotus Power Corporation (M) Sdn Bhd
M. I. T. Academy Sdn Bhd
Malaysian Harmony
Nanyang Electric Co (M) Sdn Bhd
Natural Victory Sdn Bhd
Olympic Cable Company Sdn Bhd
Omron Electronics Sdn Bhd
Originex Electric Sdn Bhd
OSRAM (Malaysia) Sdn Bhd
Penang Electrical Merchants' Association
QAV Technologies Sdn Bhd
Relcotech Transformer Manufacturer
Sdn Bhd
Sarawak Electrical Association
See Wide Letrik (Selangor) Sdn Bhd
Shaman Sdn Bhd

Dato' Ir Steven Ng Khoon Hwa
(Juste Land)
Syarikat Petaling Letrik Sdn Bhd
Tenaga Semesta (M) Sdn Bhd
Terasaki Electric (M) Sdn Bhd
The Perak Electrical Association
United Overseas Bank Malaysia (UOB)
United U-Li Corporation Berhad
YFG Engineering Sdn Bhd
YLI Industry Sdn Bhd

RM 1,700

Conway Terminals Manufacturer
Sdn Bhd

RM1,000

Kossan Paint (M) Sdn Bhd

RM 900

Bond M & E (KL) Sdn Bhd
Cahaya Fasa Sdn Bhd
Eastern Electric Industries Sdn Bhd
EM Systems Sdn Bhd
Huat Phui Electrical Hardware Supply
Sdn Bhd
Johor Bahru Electrical & Electronics
Association
Kejuruteraan Letrik Alam Dunia Sdn Bhd
Kit Yee Electrical Trading Sdn Bhd
Lightcast Sdn Bhd
Perniagaan Elektrik Sin Len Hup (Sel)
Sdn Bhd
Rising Electrical Trading Sdn Bhd
Safety Power Sdn Bhd
Swift Automation Sdn Bhd
Time Era Sdn Bhd
Tonn Cable Sdn Bhd
Translite Electric Sdn Bhd
YYC GST Consultants Sdn Bhd

RM 500

Abbaco Controls Sdn Bhd
Sin Lian Wah Electric Sdn Bhd
Y2K Electric (M) Sdn Bhd

Lucky Draw Sponsor

Khind-Mistral (M) Sdn Bhd

Ticket Printing Sponsor

Samajaya Electrical Trading Sdn Bhd

Optimize Machine Performance & Efficiency Recovery Solution

Loss of revenue is especially critical in this highly competitive market. Fluke as the leader in providing test and measurement tools can provide you with the tools and knowledge to help you prevent major problems before they occur.



Fluke 190 Series II
ScopeMeter® Test Tool



Fluke 435 Series II
Power Quality and
Energy Analyzer



Fluke Ti400
Infrared Camera



Fluke 1625-2
GEO Earth Ground Tester



Fluke 810
Vibration Tester



Get your Optimize Machine Performance & Efficiency Recovery Solution with Fluke Range of Tools now:



www.fluke.com/TEEAM-OptimizeMachine2015



From 1st March to 30th June 2015, receive COMPLIMENTARY Personal Protective Accessories with any purchase of selected Fluke test tools*. Get yours today:

➔ www.fluke.com/TEEAM-SafetyPromo2015



Fluke Electronics (M) Sdn Bhd

Suite D-3A-4, Level 3A, Block D, SouthGate Commercial Centre,
No2, Jalan Dua Off Jln Chan Sow Lin, 55200 KL
Tel: +60-3-9223-1216 · Fax: +60-3-9223-1218
Email: ig-ad@fluke.com · Website: www.fluke.com/my

*Terms & Conditions Apply: Available only in Singapore, Malaysia, Philippines, Vietnam, and Indonesia. Check website for more information

Fluke. Keeping Your World Up and Running.®

Wiring Design Workshop

TEEAM will be organising a series of workshops on wiring design aimed to provide an in-depth coverage of topics directly related to cable sizing and designing of safe LV wiring system.

It is an essential workshop for practitioners in the electrical power industry at all levels, whether they are contractors, consultants, project managers, facility managers, regulators or competent personnel. The workshop is led by experienced practitioners and aims to provide a condensed version of wiring design. Topics covered are:

- Efficient energy manager regulations 2008
- MS IEC 60364, MS 1979 & MS 1936
- RCDs & fuses
- Short circuit & voltage drop studies
- Fundamentals of power quality

The first series was held on 18th & 19th November 2014 at Armada Hotel Petaling Jaya, Selangor. This was followed by the second series on 26th January 2015 at Vistana Bukit Jambul, Penang. This workshop is supported by the Energy Commission,

the International Copper Association Ltd, Association of Consulting Engineers Malaysia, Institution of Engineers Malaysia, the Public Works Department and Tenaga Nasional Berhad.

TEEAM will be organising four more series in the second half of 2015 in the

Klang Valley, Ipoh, Johor Bahru and Kota Kinabalu.



Overwhelming – Workshop participants.



All smiles – (from left) Mr Roger Wong, Assoc Prof Dr Rodney Tan, Ir Looi Hip Peu and Ir Chang Yew Cheong. The wiring design handbook is sponsored by ICA.



For the album – (left) Ir Mohd Zakuan Ibrahim (Director of ST Northern Region) and speaker, Mr Dahari Mat Siran.

Speakers



Mr Dahari Mat Siran



Ir Rocky H T Wong



Ir Looi Hip Peu



Prof Dr Hew Wooi Ping



Ir Yau Chau Fong



Ir Lee Cheng Pay



Ir Francis Xavier Jacob



Ir Lim Kim Ten



Dr Che Hang Sang

POWERDUCT BUSDUCT



STAY COMPETENCE

Power Plug Busduct Sdn Bhd specialised in manufacturing Low Voltage (up to 1000V) and Medium Voltage (up to 35KV) busduct system and accessories branded as Powerduct. **Powerduct Busduct** is an ideal means for the Power Distribution system.

Powerduct provides the following benefits:

1. Super Compact and Lighter in weight
2. Low Impedance
3. Total Enclosed with 100% Extrusion Aluminum
4. Greater Heat Dissipation
5. Greater Earth capacity
6. Dust Free
7. Corrosion Free
8. Easy and faster Installation
9. Lower Installation Cost
10. Fully type tested based on the IEC60439-2, 3rd ed, 2000-2003, and Amendment A12005-2008
11. European Certified Product
12. KEMA Keur Quality
13. CE Marked Product
13. Higher Ingress Protection (up to IP68)
14. Bridge Type Joint stack provide double contact at the connection area
15. Available in both Aluminum and Copper as Conductor



JOB REFERENCE:

More Than 1000 Jobs has been installed in Worldwide market such as;

OIL & GAS INDUSTRIES
MEDICAL CENTER
RAILWAY LINE STATION
AIRPORT
FINANCIAL CENTER
COOLING TOWERS
HEAVY INDUSTRIES
HIGH TECH INDUSTRIES
SMALL AND MEDIUM INDUSTRIES
EDUCATION BUILDING
POWER STATION
SHIPYARDS
SHIP
HIGH RISE RESIDENTIAL TOWER
TUNNELS
TELECOMMUNICATION TOWER
COMMERCIAL BUILDING AND COMPLEX
DATA CENTER
HOTEL

Power Plug Busduct Sdn. Bhd. (545918-D)
Lot 19, Jalan SiLC 2, Kawasan Perindustrian SiLC,
79200 Nusajaya, Johor, Malaysia.

Tel: +607-532 1988(Hunting Line)
+607-532 1922
+607-532 1299
Fax: +607-532 1177

www.ppbc.com.my

CEPSI 2014 Jeju Korea

The 20th Conference of the Electric Power Supply Industry (CEPSI 2014) of the Association of the Electricity Supply Industry of East Asia and the Western Pacific (AESIEAP) was successfully hosted by the Korea Electric Power Corporation (KEPCO) from 26th to 30th October 2014 at the International Convention Centre in Jeju, Korea.

CEPSI is AESIEAP's biggest and most important event held every even year. CEPSI 2014 marked the first time in 40 years in the history of AESIEAP that the event was held in Korea. The event was attended by approximately 2,600 participants from 36 countries including some 50 CEOs of electric power companies. CEPSI 2014 featured various programmes such as keynote speeches, discussion sessions and paper presentations, etc. In addition, exhibitions, CPO Forum and buyer-seller one-on-one meetings were held concurrently to provide an effective and practical arena for the creation of new business opportunities. Interesting technical visits to Jeju Conversion Station, HVDC Super Power Grid, Smart Grid Centre and Jocheon Substation were also arranged.

Under the conference theme, "The Role and Responsibilities of the Electric Power Industry to Make a Smart and Green Society", participants of CEPSI 2014 discussed various strategies and cooperative measures to create a smarter and greener future of electricity and to adapt to climate change. With the meaningful exchanges during the 5-day event, it is strongly believed that CEPSI 2014 has helped to move everyone closer towards achieving the initiative of becoming "One Asia-Pacific".

TEEAM was privileged to be one of the supporting organisations, and a delegation comprising Ir Yong Ah Huat (TEEAM Deputy President), Mrs Jasmine Yong (Toshiba TDA), Mr Peter Lu (Vice Chairman



Attentive – Technical session in progress.

of Sarawak Electrical Association - SEA), Mr Andrew Lu (Powerpoint Electrical) and Ms Winnie Khong (TEEAM Executive Secretary) attended the event in Jeju, Korea. There were strong delegations too from the Ministry of Energy, Green Technology & Water (KeTTHA), Tenaga Nasional Berhad (TNB) and Korea Electrical Contractors Association (KECA).

TEEAM wishes to put on record our heartfelt thanks to KEPCO/AESIEAP and the organising staff for their warm hospitality and great effort in making all the arrangements. It was a very good exposure and a great opportunity to meet

so many people from the power industry across the world. CEPSI 2014 will be remembered as one of the largest and most successful gatherings of its kind to date. The next CEPSI gathering will be held in Thailand to be hosted by the Electricity Generating Authority of Thailand (EGAT) in 2016.

AESIEAP is a non-governmental organisation founded in Hong Kong in 1975 whose members include public utilities, Independent Power Producers, research institutes of the energy sector and manufacturers of power facilities primarily from the Asia-Pacific region. The President of AESIEAP is Mr Cho Hwan-Eik who is the President & CEO of KEPCO Korea.



CEPSI 2014 Opening – Datuk Seri Ir Azman Mohd (TNB President & CEO) delivering a keynote speech.



TNB Presentation – Ir Kamaliah Abdul Kadir (TNB Senior GM for Customers Service) delivering a paper at one of the technical sessions.



Overwhelming – More than 2,600 conference participants.



Working together – VIPs hand-in-hand at the opening ceremony.



5 YEAR WARRANTY

Protection against lightning
current amplitude 200 kA (10/350 μ s)



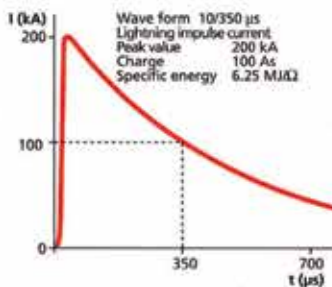
DEHNventil® M TT



Section of DEHNventil® spark gap

Red/Line

Coordinated Surge Protection
for Power Supply Systems



Lightning impulse current 10/350 μ s

- **Class I** - encapsulated (non-exhausting) triggered spark - gap technology
- Withstand high lightning impulse current of up to 200 kA (I_{stroke})
- Extremely low voltage protection level (U_p) ≤ 1.5 kV for terminal equipment
- Easy Coordination for equipment to Type 1 + Type 2 + Type 3 (≤ 5 m)
- "RADAX Flow" Technology with **WAVE BREAKERS FUNCTION**
- Short - circuit current withstand capability (I_{SCCR}) of 50 kA_{rms}
- Zero Leakage Current
- Type tested by **KEMA** according to the standard IEC61643-1/-11



Wise Pro Sdn Bhd (NO.381055P)

No. 15, Jalan Industri PBP 10, Taman Industri Pusat Bandar Puchong, 47100 Puchong, Selangor Darul Ehsan.
Tel: 03-5882 9511/7511/6511 Fax: 03-5882 6994

..... Continue CEPSI 2014 Jeju Korea



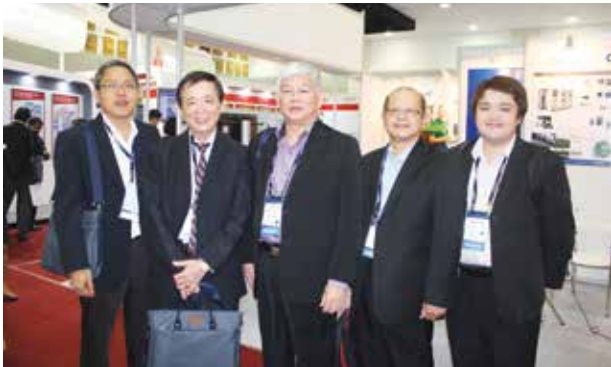
Discussion – KECA and TEEAM delegates catching up.



For the album – KECA and TEEAM delegates.



Forging strong ties – (left) Dr Chang Chul Ho (KECA President) handshakes with Ir Yong Ah Huat (TEEAM Deputy President).



All smiles – Delegates from Sarawak at CEPSI 2014



Welcome Reception – (from left) Ir Yong Ah Huat (TEEAM Deputy President), Mrs Jasmine Yong (Toshiba TDA Advisor), Ir Peter Lu (Vice Chairman of Sarawak Electrical Association - SEA) and Mr Andrew Lu (Director of Powerpoint Electrical).



Spotting – Delegates dancing to the “Gangnam Style”.



Networking at farewell dinner – TEEAM officials posing with KeTTHA officials.



CEPSI 2014 Exhibition – (right) Ir Yong Ah Huat & Mrs Jasmine Yong visiting the exhibition.



Getting to know – (from left) Mr Cho Hwan-Eik (AESIEAP President cum KEPCO President & CEO), Ir Yong Ah Huat (TEEAM Deputy President) and Ms Winnie Khong (TEEAM Executive Secretary) at the farewell dinner.



Technical tour – Delegates visiting the HVDC station.



Colourful laser – Exciting drummer performance.



Colourful Cultural Night – Korean cultural dance.



A **Complete System** in circuit protection



UTAMA

SWITCHGEAR SDN BHD

UTAMA SWITCHGEAR SDN BHD (416650-H)

No. 3, Jalan USJ 19/4A, USJ 19, 47630 Subang Jaya, Selangor Darul Ehsan, Malaysia

Tel 603-8024 1215 Fax 603-8024 1796 Email utamasb@ussbeeps.com

Self-Test RCCB National Campaign

Following the official launch of TEEAM's National Campaign on Self-Test RCCB (Residual Current Circuit Breaker) in June 2014, TEEAM continues its effort to conduct roadshows in shopping malls, campuses and residential areas to educate the public on how to test their home RCCB through demonstration units. The safety campaign themed "Be Safe, Self-Test Your RCCB Today!" aims to raise awareness among the public on the need for regular self-testing of RCCBs.

In a household, we rely on RCCB or previously known as ELCB to prevent electrocution by faulty electrical appliances.

The simple way is to press on the "Test" button. The RCCB that works well will trip when the test button is pressed. One can easily restore the switch to its original position. If the RCCB does not trip, consumer should consult a registered electrical contractor for inspection and replacing the RCCB.

Apart from the Klang Valley, TEEAM has also extended the

roadshows to cover other states. The first was to Gurney Paragon Mall, Penang on 18th & 19th October 2014, followed by Johor Sutera Mall on 6th & 7th March 2015. The next destination is Ipoh AEON Kinta City Mall on 25th & 26th April 2015.

TEEAM wishes to put on record our thanks and appreciation to State Associations namely Penang Electrical Merchants' Association (PEMA), Johor Bahru Electrical



At Penang Paragon Mall – (from left) Mr Dahari Mat Siran (TEEAM Electrical & Safety Chairman), Dato' Ooi Kok Kee (PEMA Past President), Ir Md Zakuan Hj Ibrahim (ST Director, Northern Region), Ir Chew Shee Fuee KMN (TEEAM President) and Engr Fu Wing Hoong (TEEAM Immediate Past President).



Media support – TEEAM President, Ir Chew Shee Fuee KMN was interviewed by 8TV host Ms Lynn Lim during Eve's Diary programme.

and Electronics Association (JBEEA) and The Perak Electrical Association (PEA) for their support and assistance in our outstation roadshows.

TEEAM hopes to achieve the target of one million homes in Malaysia to self-test their RCCB by 2015. For more information about the self-test RCCB safety campaign, please visit <http://testrcb.my> and like us on www.facebook.com/testrcb.

Roadshow in Penang Gurney Paragon Mall on 18th & 19th October



TERASAKI is the world's power specialist since 1923, we offer a comprehensive range of LV Switchgear & services for the Residential, Office Building, Manufacturing Plant, Energy & Infrastructure. The brand name of our products is TERASAKI which is already well established in Marine Systems, Industrial System and Circuit Breaker Industry.

TemPower



TemBreak

The Ultimate Safety Breaker

The Ultimate Safety Breaker



TemBreak

PVS400-NDL
DC Moulded Case
Circuit Breaker
Rated current 2000A
Rated breaking capacity
DC600V 40kA



TemBreak

Circuit Breaker
with Residual
Current Protection
(CBR)



Earth Leakage Relay
(TZS-AD)



ELCB



MCB



RCBO



Detuned Reactor



Power Capacitor

TERASAKI ELECTRIC (M) SDN BHD (156366-X)

Lot 3, Jalan 16/13D, 40000 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel: +603-5549 3820 (6 Hunting Lines) Fax: +603-5512 9299

E-mail: sales@terasaki.com.my / ykkoh@terasaki.com.my



Roadshow in Taman Tun Dr Ismail, Kuala Lumpur on 11th January 2015



Roadshow in UTAR Campus, Kuala Lumpur on 21st January 2015



Roadshow in Taman Tasik Indah, Kuala Lumpur on 25th January 2015



Roadshow in JKR @ Chan Sow Lin, Kuala Lumpur on 30th January 2015



Maxguard®

SAFE AND SAVE



www.maxguard.com.my



ITS Intertek Testing Services
ETL SEMKO



Suruhanjaya Tenaga

Approved for
Government Projects

MAXGUARD SWITCHGEAR SDN BHD (Co. No. 467568W)

No. 8, Jalan Anggerik Mokara 31/47, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan
Tel: 03-5121 2288 Fax: 03-5121 2868 Email: sales@maxguard.com.my



PRODUCT LIABILITY
Terms & Conditions Apply
RM1,000,000.00

Roadshow in Tesco Scott Garden, Kuala Lumpur on 3rd & 4th January 2015



Roadshow in Johor Sutera Mall on 7th & 8th March 2015



Self-Test RCCB Roadshow

Upcoming in Ipoh

Date : 25th & 26th April 2015 (Saturday & Sunday)

Time : 10:00 am – 10:00 pm

Venue : AEON Kinta City Shopping Centre, Ipoh

Log on : www.testrccb.my

Like us : www.facebook.com/testrccb



Enabling Businesses

Enhancing Lives



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM
ECO-LABEL



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM
CO₂e-XX



SIRIM

SIRIM QAS INTERNATIONAL SDN. BHD. (410334-X)

Marketing and Branding Section
No. 1, SIRIM Complex, Persiaran Dato' Menteri
Section 2, P.O. Box 7035
40700 Shah Alam
Selangor Darul Ehsan

Tel : 603 5544 6402/6404
Fax : 603 5544 6787
E-mail : qas_marketing@sirim.my
Website : www.sirim-qas.com.my

