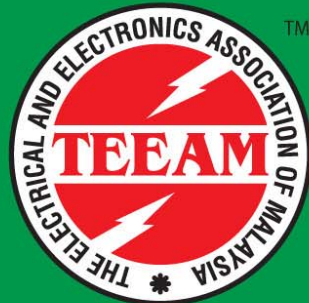


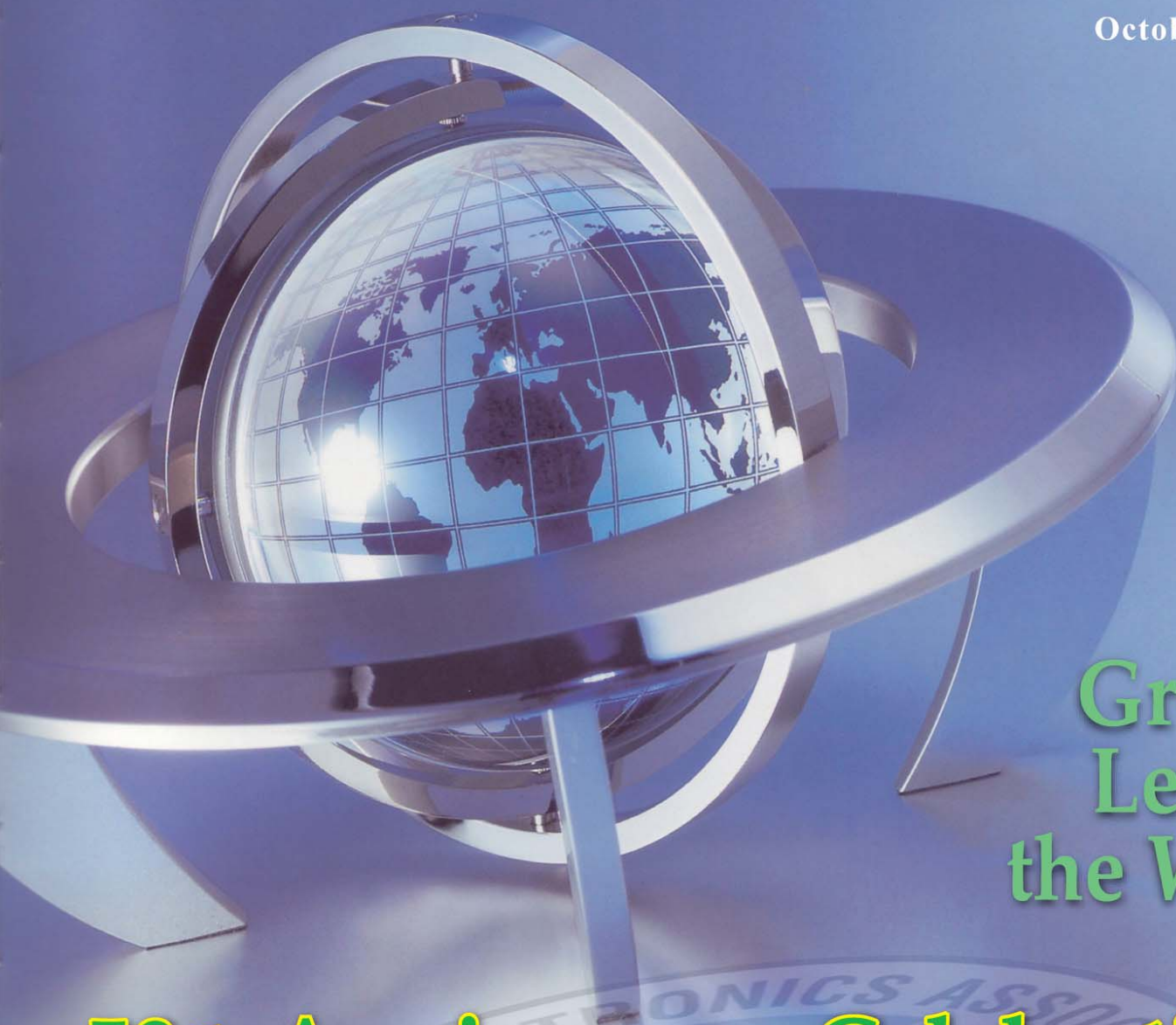
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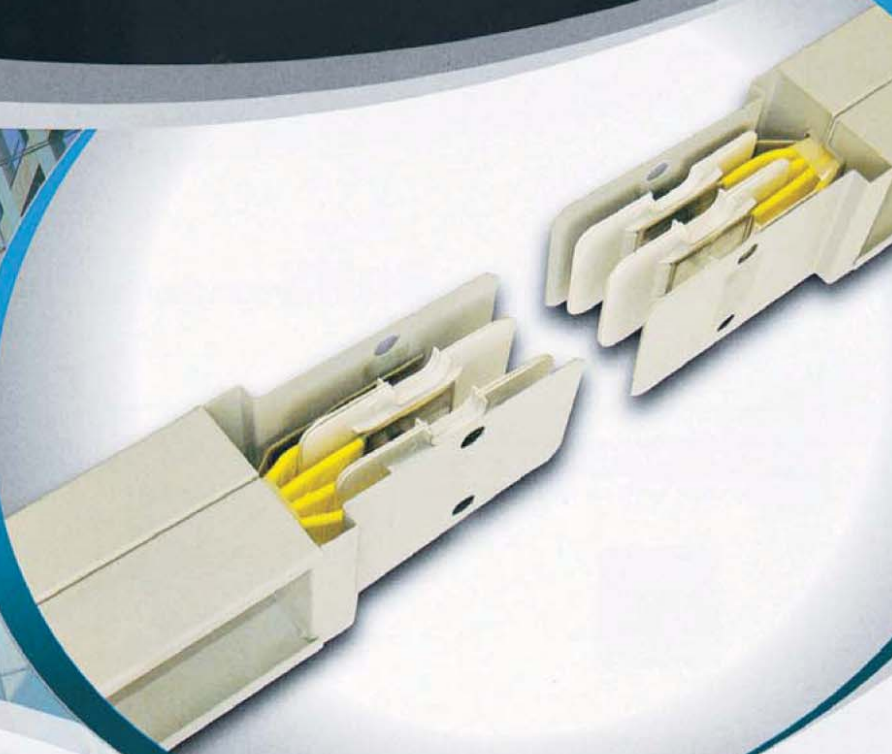
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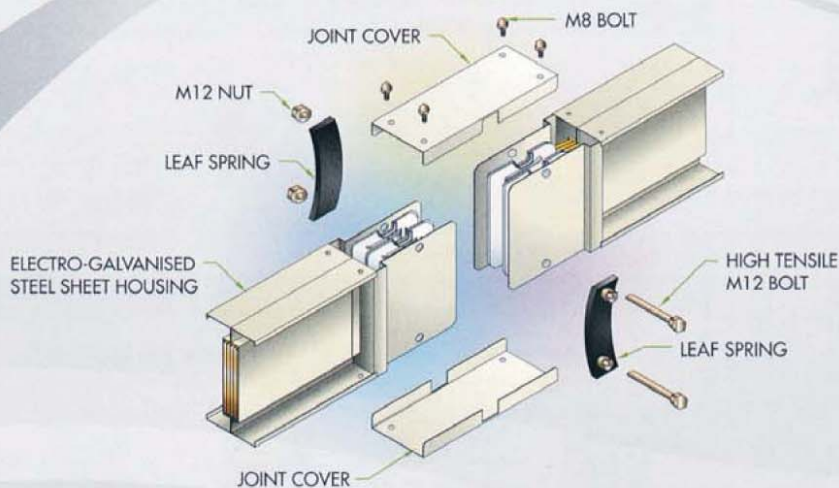
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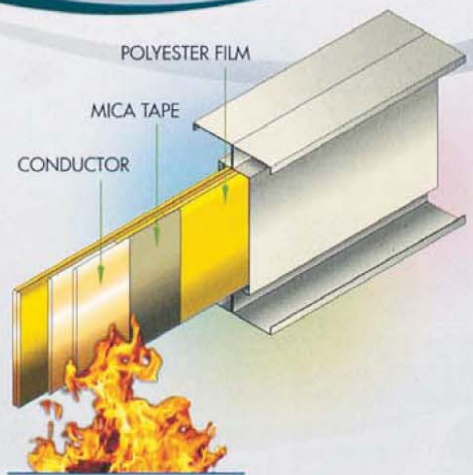
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Contents

TEEAM Activities

From the Editor's Desk	5
Message from TEEAM President	7
AGM 2010	9
Courtesy Visit to Energy Commission	11
Council Meeting at KLCC	13
Press Conference	15
Acknowledgement to TEEAM 58th Anniversary	
Dinner Main Sponsors	17
Luncheon with TNB KL	19
Networking Luncheon with ST & M&E	
Associations	21
Golf Competition	23
Guangzhou Lighting & Electrical	
Building Fair 2010	31
Academic Excellence & Vocational	
Training Awards	33
Workshop on Underground Survey	41
Bowling Tournament	43
Power Quality Symposium 2010	45
Visit by KOEMA	51
Networking Dinner with the Press	53
Badminton	55
Building Wiring Installer Course	57
Column for Trading Group	59
Technical Visit to DBKL ITIS	61
State Associations News	63
New Books in Our Library	71
New Members	73
Column for Manufacturing Group	77
Courtesy Visit from CEC	81
Column for Engineering Construction	
& Services Group	91

Information

Membership Recruitment Campaign	13
Vented Nickel-Cadmium Batteries	19
Special Hotel Room Rates	29
Jogathon	34
AFEEC/FAPECA Conference & Meeting 2010	53
Fellowship Gathering	75
Challenges and Opportunities in Electrical	
Industry – Part 14	83
A Silent Cry for Dark Skies	87
Power Factor Correction	97
Public Notice from the Energy Commission	97
Popular Chinese Herbs and Tonic	
Products – Part 4	101
What is different about Photovoltaic Installations?	109
Solar Photovoltaic – Plug into the Sun	111
TEEAM Members Directory 2011-2012	121
Reader Service Information	155
Advertisement Booking Form	155
Membership Application Slip	155
Advertisers Index	156

Highlights



AGM 2010 Page 9



Courtesy Visit to Energy Commission Page 11



Luncheon with TNB KL Page 19



Golf Competition Page 23



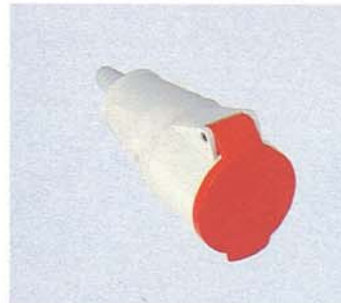
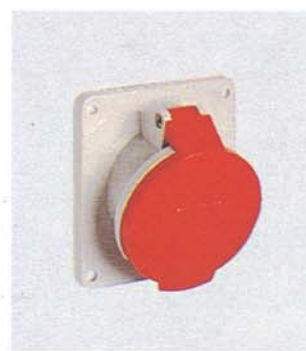
Academic Excellence & Vocational Training Awards Page 33



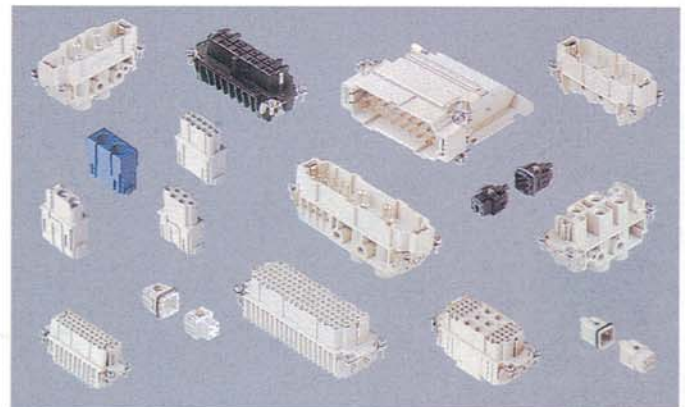
Networking Dinner with the press Page 53



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From The Editor's Desk



Latest GDP figures show that the Malaysian economy has indeed been slowing down. In 2nd Quarter 2010, GDP grew 8.9% year-on-year, lower than the previous quarter's spectacular 10.1%. Softening external demand, which will filter into slowing incomes and therefore domestic demand in the months ahead, should result in further moderation of growth. In spite of this, with 1H2010 GDP growth already at 9.5%, it is likely that growth for the whole of 2010 should still be above 6%. MIER's GDP forecast for 2010 remains at 6.5%.

The underlying concern at the moment will be the government's policy of achieving a high income society by simply reducing foreign labour. There are many jobs that locals will not be interested at all. The next worry will be the increase in energy cost. The limitation of our local oil and gas production will force the local energy cost to escalate. The cost of electricity will increase in view of feed-in-tariff to accommodate renewable energy contribution. It will also promote the use of solar PV considerably.

The AOTS Energy Efficiency Training in Japan will be held in late November this year. We are pleased to announce that we have managed to forward 25 participants for the approval of AOTS. If all are successful this will be the largest contingent since 2008.

The proposed technical visit to Beijing in October this year sadly has to be canceled due to lack of participation. However the AFEEC-FAPECA Conference & Meeting 2010 will be held in the Philippines on 24th and 25th November this year. We encourage our members to take the opportunity and participate in the Conference with the theme "Green Engineering in Electro-technical Construction", Golf, Exhibition, Welcome and Farewell Dinners which provide good networking platforms with international participants.

With the changing of meters to new digital ones small commercial units are required to comply with the minimum Power Factor (PF) of 0.85. We have an article detailing the various aspects of considerations to address the PF requirement.

We continue to appeal to our members to assist in membership recruitment. The number of new members had been increasing but we also face termination of membership from some. The net increase is therefore not up to our expectation. The Membership Recruitment Committee has done its best and it is up to each one of us to further increase our membership.

We like to convey our gratitude and thanks to the Organising Committee of TEEAM 58th Anniversary Dinner. Our special appreciation and thanks to our Guest of Honour Yang Berhormat Dato' Sri Peter Chin Fah Kui, Minister of Energy, Green Technology and Water, Malaysia for gracing our Anniversary Dinner. Our sincere thanks to all members for their support and generous donations to make the Dinner a great success.

Regards,

Ir Chew Shee Fuee
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Message from TEEAM President

In Conjunction with the 58th Anniversary Celebration of TEEAM.

We in TEEAM are celebrating our 58th Anniversary on 9th October 2010 at One World Hotel. I wish to extend my sincere gratitude to Yang Berhormat Dato' Sri Peter Chin Fah Kui, Minister of Energy, Green Technology and Water, Malaysia for gracing our dinner celebration as the Guest of Honour.

I am glad to note that TEEAM has evolved from a localised communal organisation to a full fledged national body that is recognised by the government as the representation of the electrical and electronics industry in Malaysia. TEEAM has a voice in many top level government committees and many of our proposals have been accepted and implemented.

Some of our most notable achievements that affect our members include:

- 1) In the past, TEEAM had secured "direct payments" for the nominated electrical contractors in JKR projects. In the old days, electrical contractors were under the mercy of the civil contractors for every progress payment and this bad habit had resulted in a lot of hardship and derailed the cash-flow of everybody down the line.
- 2) TEEAM has also helped to secure "variation of prices" (VOP) for the contract rates when there is fluctuation in the prices of raw materials. TEEAM is working with CIDB in compiling an M & E Price Index to calculate the VOP for contract payments. This is a "double edged sword" which cuts both ways. There will be additions when the prices of raw materials go up, and similarly there will be subtractions when the prices fall.
- 3) TEEAM has been pursuing the well-known lighting issue through many platforms since 2005. The then Treasury circular restricted the purchase of street lighting products for government projects from only four designated companies. The Treasury had finally announced the withdrawal of this circular effective 1st May 2010. This is welcomed news for both foreign direct investors and local companies' reinvestment which shows that the government is serious to weed out unfair practices. TEEAM is thankful to the government for withdrawing the circular which is a good reflection of the 1Malaysia policy.

TEEAM is always in support of our government's effort to drive the industry forward. We are fully supportive of our government's initiative to push for green technology but due to high cost of initial investment, we hope good incentives/subsidies can be provided to the private sector to encourage participation.

Fellow members, the green initiative is an initiative that will save our mother earth and every one of us must play a role to ensure

the success of this initiative. It is heartening to note that members are already taking step one way or another towards saving our mother earth and their actions are also reflected in the voice of TEEAM.



Engr Fu Wing Hoong

TEEAM encourages all members to act immediately by playing their role towards green initiative starting at home by ways such as more efficient use of electricity and water, use of more earth friendly material such recyclable material and start building a family culture toward green efficiency.

TEEAM also encourages all business owners to ensure power factor to be improved to above 0.85 in their business operations. TEEAM will approach the government to consider giving incentive to promote energy efficiency by encouraging consumers to maintain high power factor in their installations.

On another front, TEEAM is pursuing with the government to establish a full fledged electro-technical testing laboratory to propel the manufacturing sector. Currently there are no short circuit facilities to test switchgears, transformers and switchboards within the country. TEEAM believes with such testing facilities, domestic investment in the manufacture of such equipment will increase to make Malaysia a major exporter.

The easily available non-compliant products in the market place are of concern. Such products are often not only "green" and "wasteful" but is a fire hazard and dangerous to life. The lack of enforcement on non-compliant products has made these products easily available in the local market. Hence market surveillance with proper framework must be established to monitor the products to ensure products non-compliant with standards and regulations are removed from the market. TEEAM will encourage the government to play a more active role to ensure such framework is set up to provide effective market surveillance. I believe this will help a long way towards raising product safety and quality.

At this juncture, I wish to record my heartfelt thanks to our Dinner Fund Raising Committee for their remarkable effort in raising funds from the dinner in support of TEEAM's activities. To our Publication Committee, thank you for a great job in publishing the Suara TEEAM magazine in time for the celebration. Last but not least, I wish to congratulate the Dinner Organising Committee for their untiring effort and commitment in planning this great dinner. Syabas!

Thank you.

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AGM 2010

The 2010 Annual General Meeting (AGM) of TEEAM was successfully held on 9th May 2010 at TEEAM Conference Room. Some 61 members attended the AGM. The day's agenda included the presidential address; acceptance of minutes, annual report and annual accounts; and acceptance of proposed amendments to TEEAM's Constitution.

Presidential Address

TEEAM President, Engr Fu Wing Hoong highlighted that the government has identified green technology as a new area of growth and called upon members to follow closely on the development which will provide new business opportunities. The launch of green building index encourages building owners and developers to design and construct green and sustainable buildings that can provide energy and water savings, a healthier environment, better transportation connectivity, and adopting recycling and reduce waste.

The long outstanding lighting issue is finally won over with the government's decision to rescind the circular which restrict the purchase of street light fittings for government projects. Engr Fu took the opportunity to thank the government for listening to the industry's concerns. The government's action truly reflects the 1Malaysia Policy fully supported by TEEAM. TEEAM has participated actively in many dialogues, workshops and

lab sessions to contribute inputs to the 10th Malaysia Plan.

TEEAM is currently pursuing through various platforms on the urgent need to set up a full fledged electro-technical testing laboratory. TEEAM sees this as an important innovation and R & D highway to spur growth and spin off development.

Acceptance of Minutes, Annual Report and Accounts

The meeting approved the minutes of the previous general meeting. Honorary Secretary, Mr Ho Khai Hong presented the annual report on the activities of the association. This was followed by the tabling of audited accounts by the Honorary Treasurer, Mr Wong Chin Cheong. Both the annual report and audited accounts were duly adopted by the general meeting.

Proposed Amendments to TEEAM's Constitution

The Council had proposed a number of amendments to the TEEAM's Constitution to

meet current developments and cope with future expansion of the association. The detailed proposed amendments were tabled and were approved by more than two-thirds majority of members present. The amendments have since been submitted to the Registrar of Societies for approval.

Conclusion

Engr Fu thanked all present for their great effort in attending the meeting. He appealed to all present to help invite new members to join TEEAM. The voice and effectiveness of the association depends a lot on the membership numbers. Hence, more voices mean a stronger TEEAM! The meeting ended with a sumptuous buffet lunch.



TEEAM Exco – (from left) Vice Presidents: Engr Leong Kam Seng, Mr Yap Ching Kiat & Ir Chew Shee Fuee, Ir Steven Ng Khoon Hwa (Deputy President), Engr Fu Wing Hoong (President), Mr Ho Khai Hong (Honorary Secretary), Mr Wong Chin Cheong (Honorary Treasurer), Mr Suresh Kumar Gorasia (Past President) and Mr Jack Soon Lee Hock (Assistant Honorary Secretary).



Good attendance – Great turnout at the 2010 AGM.



In-support – Members show support to the proposed amendments to TEEAM's Constitution.



Yummy! – Members treated to a sumptuous buffet lunch.



Q & A – Captain She Chee Wah raising a question during the AGM.



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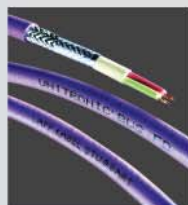
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Courtesy Visit to Energy Commission

TEEAM paid a courtesy visit to YBhg Tan Sri Dr Ahmad Tajuddin Ali, Chairman of the Energy Commission (Suruhanjaya Tenaga, ST) on 13th May 2010. TEEAM took the opportunity to highlight to ST on the on-going activities of the association and current issues faced by members.

Highlights of the discussion were:

Green & Renewable Energy

TEEAM is in support of the government's initiative to push for green technology but due to high cost of initial investment such as the grid connected solar photovoltaic generation, the association looks forward to the government for support in providing incentives to the private sector to encourage participation. TEEAM is prepared to work together with ST to achieve this national agendum.

ST highlighted that Malaysia will start Feed-in Tariff (FIT) for renewable energy resources by 2011. The tariff for connected solar photovoltaic generation will be between RM1.25 – RM1.75 per kWh for 21 years. The tariff is still in the finalisation process.

Energy Efficiency & Power Factor

TNB imposes a penalty on industry and commercial consumers with power factor below 0.85. TEEAM feels that there should be an equal incentive for improvement of this power factor. The association hopes that ST will advise our government/TNB to encourage consumers to improve their power factor. For any power factor improvement to 0.9 and above, consumers should be rewarded with some monetary value. TEEAM believes such incentive will promote energy efficiency; promote innovation of electrical equipment to achieve high power factor; help in Malaysia's commitment to reduce carbon dioxide emissions; and generate better revenue for TNB/SESCO/SEB thus no pressure to increase electricity tariff.

Phasing out of Incandescent Lamps

The government had just announced the phasing out of incandescent lamps. While TEEAM supports the government's move to promote energy efficiency and reduce carbon dioxide emissions, the implementation should not be too drastic. Manufacturers and importers must be given sufficient time to adapt and there must be continuous dialogues with stakeholders to draw up a programme for gradual phasing out. Meanwhile, the manufacturers and agents can self-regulate by cutting down their production and sales of these inefficient light sources. Moreover the price and reliability of the energy efficient lamps should reach a more acceptable level.

ST had dialogues with stakeholders on the gradual phasing out programme. Incandescent lamps will be phased out in two phases. First is lamp of 100 watt and above to be phased out from January 2011 to December 2011. The second phase is for all types to be phased out from January 2012 to December 2013.

Shortage of Wiremen and Chargemen

The industry faces shortage of competent personnel such as wiremen and chargemen. TEEAM believes that the prerequisite of academic qualification of SPM or SPVM to sit for such examination has prevented many skilled workers from getting certified. As wiremen and chargemen are skilled vocations rather than academic jobs, emphasis should be on skills. TEEAM believes more can be certified to meet the industry's demand if this constraint is removed.

ST clarified that the prerequisite of academic qualification of at least Form Five is required for sitting the wiremen and chargemen examination. This is to ensure competency is achieved.



ST Chairman – (centre) YBhg Tan Sri Dr Ahmad Tajuddin Ali chairing the meeting.



Meeting in progress – Some pressing issues were raised to ST.

Proposed High Power Laboratory

Currently there are no short circuit facilities to test switchgears, transformers and switchboards within the country. TEEAM has raised in many forums on the need to establish a full fledged electro-technical testing laboratory to propel the manufacturing sector. Such laboratory has to be independent from SIRIM, to be managed and operated jointly between authorities, domestic manufacturers association in the electrical industry and government users. TEEAM looks forward to ST's full support for such independent testing laboratory.

ST welcomes such a proposal by TEEAM which helps to drive the electrical industry forward. Domestic investment in the manufacture of power equipment will be increased to make Malaysia a major exporter.

Enforcement of Malaysian Standards & Market Surveillance

TEEAM highlighted that the lack of enforcement on non-compliant products has made these products easily available in the local market. Hence post market surveillance with proper framework must be established to monitor products to ensure compliance with standards and regulations. TEEAM believes this will help a long way towards raising product safety and quality. It is hoped that our government will provide funding to establish post market surveillance involving the participation of industry players. The industry is hoping for RM1 million per year for the next five years to finance post market surveillance. TEEAM believes members can play an active role to ensure good market surveillance and hence enforcement.

Ceiling Fans Accidents

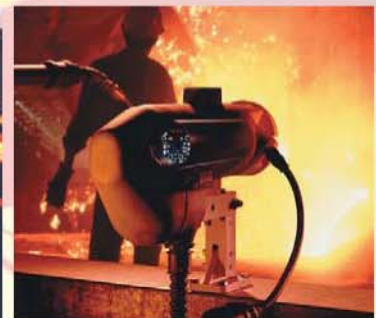
There is a high risk of ceiling fan falling due to improper installation. Ceiling fans in public area must have a secondary suspension system. A third safety feature, either a power cut-off device or factory fitted down rod has been proposed to be in the Malaysian Standard. ST welcomes such a proposal for added safety.

Conclusion

The meeting concluded with a note of thanks to the Chair. TEEAM looks forward to work closely with ST for the betterment of the electrical supply industry.



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Council Meeting at KLCC

The seventh Council Meeting for the year 2009-2011 was held on 16th June 2010 at the Kuala Lumpur Convention Centre (KLCC), in conjunction with the Asean M & E Show 2010, an exhibition on a broad range of products and services. It showcased technology and products from over 500 exhibitors on electrical power; air-conditioning & refrigeration; security; fire protection; lift & escalator; and green technology & renewable energy.

The Council Meeting venue was hosted by the exhibition organiser, AMB Exhibition Sdn Bhd. TEEAM expressed the Council's gratitude to AMB for the warm hospitality. Council Members had the opportunity to acquire updates on their technology needs, view the latest products, learn from industry experts, establish business contacts and network with fellow industry players.



Serious discussion – Issues of concern were discussed.



Representatives from PEA & JBEEA – (from left) Mr Chan Kaim Sam (Deputy President of The Perak Electrical Association), Mr Wong Jiunn Shyong (Committee Member of Johor Bahru Electrical & Electronics Association) and Mr Lee Chee Boon (Vice Chairman of Johor Bahru Electrical & Electronics Association).



Meeting in progress – Good attendance.



Candid! – TEEAM Council Members and Secretariat Staff posing a group photo at EITA's booth during Asean M & E Show 2010. 4th from left is Mr Wolfgang Miess of Leonz Studer AG.



At Jumbohan's booth – Centre is Mr Johan Siew Kok Hon (Jumbohan CEO) and extreme right is Mr Noel Yap (Jumbohan Sales & Marketing Manager), (from left) TEEAM Council Members: Mr Lawrence Lai Kun Hoong, Mr Chan Kaim Sam, Ir Chang Yew Cheong, Mr Siew Choon Thye and Mr Chong Yoon Koon.



Membership Recruitment Campaign

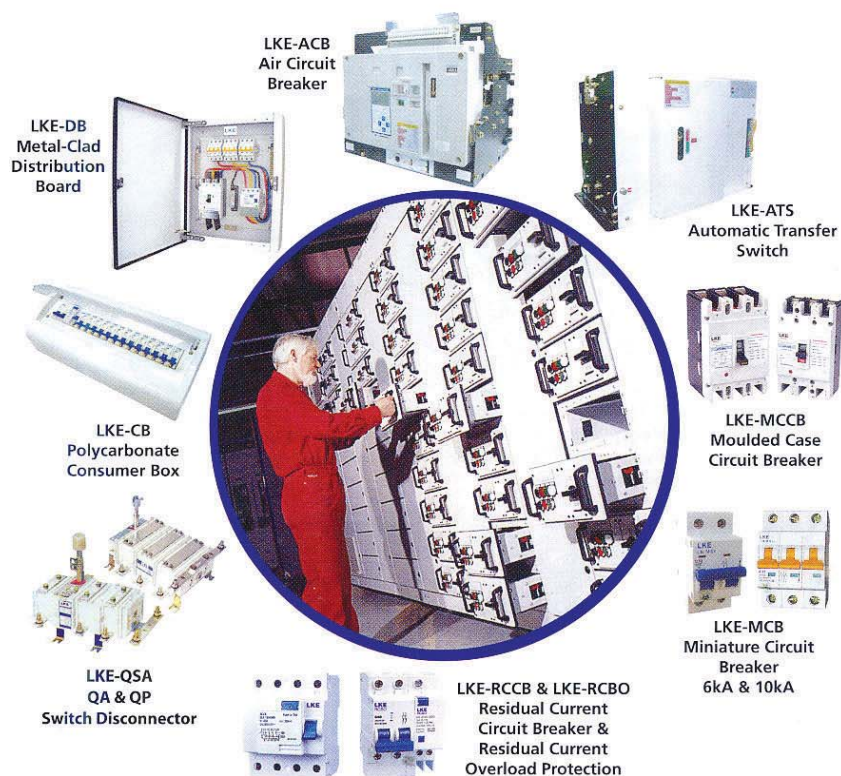
TEEAM appeals to members to help in recruiting companies and individuals to join the association to strengthen TEEAM membership base. Incentives are offered by the Membership Recruitment Committee. Members introducing a company member will be entitled for 2 points, while introducing an individual member will be entitled for 1 point. The points can be accumulated and used to redeem free advertisements in Suara TEEAM or redeem membership subscription. For details, please contact the TEEAM Secretariat at Tel: 603 – 9221 4417. Membership application form can be printed from the TEEAM website at www.teeam.com.

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Press Conference

TEEAM organised a press conference on 24th July 2010. The aim was to highlight on power factor requirement and foreign workers issue.

TEEAM's Proposal on Power Factor (PF) Requirement

According to United Nations Framework Convention on Climate Change (UNFCCC) report, Malaysia agreed to reduce its carbon emissions by 40% by 2020 with support from developed countries. The Prime Minister Dato' Seri Mohd Najib Bin Tun Abdul Razak announced in Copenhagen, 16th December 2009, that Malaysia is adopting an indicator of a voluntary reduction of up 40% in terms of emission intensity of Gross Domestic Product (GDP) by the year 2020 compared to 2005 levels. PF improvement can reduce the need of power plant-up and thus reduce our emission levels.

The current TNB tariff requires PF to have a minimum of 0.85 for voltages below 132 kV.

In view of the advantage of increasing power distribution if the PF requirement is improved, therefore TEEAM proposes that it is necessary to have a new PF requirement. The proposal is additional to the present PF requirement in the tariff structure.

TNB's present PF requirement:

- a) PF below 0.85 and up to 0.75 lagging, a supplementary charge of one and one-half per cent (1.5%) of the bill for that month for each one-hundredth part (0.01) below 0.85 and up to 0.75 lagging PF will be added to the bill for that month, and
- b) PF below 0.75 lagging, in addition to the charge payable under subparagraph (a) above, a supplementary charge of three per cent (3%) of the bill for that month for each one-hundredth (0.01) part below 0.75 lagging PF will be added to the bill for that month.

TEEAM feels that we should be fair in all contracts. If there is penalty for bad PF, there should be a corresponding reward for achieving good PF.

TEEAM's Proposal:

If PF is above 0.85 an incentive discount of one percent (1%) of the bill for that month for each one hundredth part (0.01) above 0.85



During press conference – Issues highlighted to the Press by TEEAM Exco.

lagging PF will be given to the bill for that month.

Advantage of setting a higher PF requirement

If the overall PF can be kept at 0.95, it means that there is an extra 10% electrical power in the system available for distribution. TNB can sell an extra 10% WITHOUT incurring any extra cost, and the amount of carbon reduction would be substantial.

Foreign Workers Issue

Our unemployment rate is below 4% which is the international benchmark for full employment. This has created a demand for the need of workforce across the whole spectrum. The shortage of workers is real and is across the whole spectrum ie from 3D (Dangerous, Difficult & Dirty) workers right up to engineers and managerial level.

The government has made it very easy to employ expatriates earning above RM 8,000 but has placed a lot of restriction for employing labourers. This has inevitably hindered opportunities for Malaysians to improve their earning capability as they are forced to continue at their current position as companies could not expand their operation due to shortage of labour. The weakness of government policy in this area has also resulted in increasing numbers of illegal foreign workers and the government is losing income of Billions of Ringgit in levies which could be used to improve the lives of Malaysians in general.

The following sectors where TEEAM members operate that need foreign workers:

- (i) E&E equipment factories like lighting, cables, busway, ballast;
- (ii) Panel builders; and
- (iii) Electrical contractors.

TEEAM hopes that the government understands that the need for foreign workers is real for our manufacturing and services companies. Without them, it is impossible for them to maintain stable output or some may even have to stop operation. Hence, TEEAM calls on the government to recognise this fact and come out with clear policy to manage foreign workers in an orderly manner across the whole spectrum of the industry and not just selected sectors. Malaysia needs foreign workers to help us moved into the high income economy.

There are many well trained foreign workers who have been working here for many years but are forced to return to their countries after their permit expired. These are skilled and productive workers whom the government must allow them to remain in Malaysia to continue working to help in the country's development. Only with a steady supply of workers will the companies be able to expand and create higher income opportunity for us Malaysians.

Conclusion

TEEAM President, Engr Fu Wing Hoong expressed his gratitude to members of the Press for their support and presence.





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Acknowledgement

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Luncheon with TNB KL

On 29th April 2010, TEEAM hosted a luncheon meeting with Tenaga Nasional Berhad Distribution Division of Kuala Lumpur. The luncheon meeting was held at Tenji Japanese Restaurant at Solaris, Mon't Kiara. Some 30 officials from TEEAM and TNB KL attended the luncheon. It was a meaningful networking event to enhance cooperation and mutual understanding.



Building closer relationship – A group photo of TNB KL & TEEAM officials.



Souvenir presentation – (centre) Engr Fu Wing Hoong (TEEAM President) presenting a souvenir to (3rd from right) Mr Zubir Hj Hashim (Senior Manager of Customer & Marketing Services, TNB KL). With them are TEEAM officials: (from left) Mr Chong Yoon Koon (Council Member), Mr Jack Soon Lee Hock (Assistant Honorary Secretary), Mr Simon Leong Kien Khan (Council Member), Ir Steven Ng Khoon Hwa (Deputy President) and Mr Ho Khai Hong (Honorary Secretary).



Vented Nickel-Cadmium Batteries

The Proven Technology & its Importance

Power failures are unpredictable and inevitable! These catastrophes not only cause valuable data loss in business, it could diminish the operational efficiency that will shut down the entire company. Data loss not only affects the data centre of multinational company, it affects all business entity that uses electronic devices from computers to cash register and ventilation system as well.

Why do I need battery?

Preventive action should be taken before any power failure. Reliable battery is the final defence in the event of such failure. It allows you to maintain critical loads, start alternative generators, power up Uninterrupted Power Supply (UPS), Emergency Battery Operated Power System (E-BOX), generator start-up, and provide DC power supply for a period of time. It not only reduces the negative impact of power failure, but also a reliable source of power provider which results in peace of mind.

Why Nickel-Cadmium (NiCd) my best choice?

As a last defence against power failure, the reliability of the battery is very critical. Battery serves just like an insurance policy and the most reliable source owing to the alkaline

chemistry. Nickel-Cadmium battery has no risk of sudden death or thermal runaway. It has excellent resistance to over-charge and over-discharge and low life cycle cost; unsurpassed operation in extreme temperature ranging from -50°C to 60°C. With its outstanding characteristics and sustainability, Nickel-Cadmium batteries have become the best long term investment with guaranteed quality.

It's reliable but how much maintenance does it requires?

Nickel-Cadmium technology provides a lifetime of reliability in return for regular inspection. There is no need for special charging equipment and minimal topping up requirement. Some ranges of quality Nickel Cadmium batteries only require topped up of electrolyte once every 20 years in standby applications.

What are the costs of failure for unreliable battery?

There are countless significant impacts and dangers brought by power failure. It is essential that a back-up system really works when it is required. For this the battery must be guaranteed not to fail. Reliability is more important than initial saving on a low cost



Vented Nickel-Cadmium Batteries.

battery since failure of battery will cause tremendous impact. Using reliable Nickel Cadmium battery will guarantee a longer battery life that gives lower total cost by avoiding repeated battery replacements. Failure of battery in hospital could cause hospital generator fails to start and could cause loss of life. Failure of battery in data centre will directly link to business lost and costly data recovery. Same issue in process control, without back-up power supply, the system will suddenly shut down.

In a conclusion, proven technology and high quality of Nickel Cadmium battery will give you a peace of mind in the event of any power failure where all critical areas are covered.

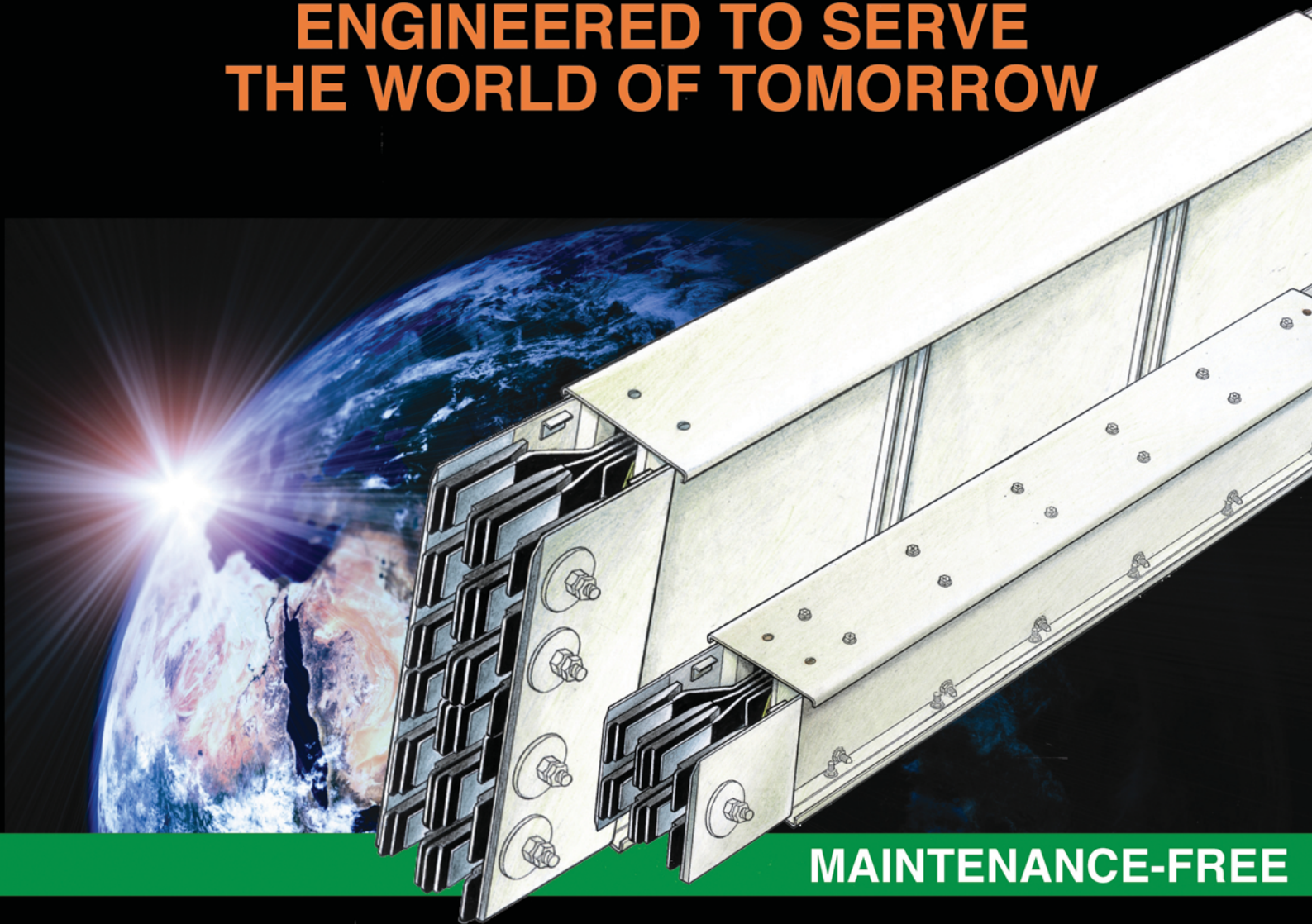
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Networking Luncheon with ST & M&E Associations

On 4th August 2010, TEEAM organised a networking luncheon with Energy Commission, Malaysia (ST) and Mechanical & Electrical (M&E) Associations at Toh Yuen Chinese Restaurant, Petaling Jaya Hilton Hotel.

The luncheon session was attended by Ir Amir Hassan (Deputy Director of Electrical Safety, ST), Ms Josephine Wong Sai Fong (Malaysian Fire Protection Association - MFPA President), Ir Soon See Leak (Malaysian Lift & Escalator Association - MALEA President), Mr Ricky Yaw Chan Choy (Malaysian Air-Conditioning & Refrigeration Association - MACRA President) and Ir Wong Loo Min (Association of Consulting Engineers Malaysia - ACEM President).

TEEAM was represented by Engr Fu Wing Hoong (President), Ir Steven Ng Khoon Hwa (Deputy President), Dato' Ir Lee Peng Joo (Immediate Past President cum Adviser), Mr Suresh Kumar Gorasia (Past President), Ir Chew Shee Fuee (Vice President), Engr Leong Kam Seng (Vice President), Mr Ho Khai Hong (Honorary Secretary), Mr Jack Soon Lee Hock (Assistant Honorary Secretary), YBhg Datuk Ir (Dr) Mohd Annas Hj Mohd Nor (Technical Adviser), Ir Rocky Wong Hon Thang (Honorary Fellow cum Technical Adviser) and Council Members: Mr Simon Leong Kien Khan, Ir Chang Yew Cheong and Mr Lawrence Lai Kun Hoong.

The purpose was to network, share views on common issues, and enhance better understanding and working relationship. TEEAM called for a common stand on the following issues of common interest:

Power Factor

In line with the government's intention to reduce carbon emissions by 40% by 2020, TEEAM is proposing to have a new power factor (PF) requirement. PF improvement can increase more power in the electrical distribution system and hence can reduce the numbers of power plant-up and thus reduce our emission level.

The current TNB tariff requires PF to have a minimum of 0.85 for voltages below 132 kV. There is a penalty for bad PF and likewise there should be a corresponding reward for achieving good PF.

TEEAM proposes that if PF is above 0.85, an incentive discount of one percent (1%) of the bill for that month for each one-hundredth part



Building good rapport – (from left) Ir Steven Ng Khoon Hwa (TEEAM Deputy President), Ms Josephine Wong Sai Fong (MFPA President), Ir Chew Shee Fuee (TEEAM Vice President), Ir Soon See Leak (MALEA President), Mr Jack Soon Lee Hock (TEEAM Assistant Honorary Secretary), Mr Ricky Yaw Chan Choy (MACRA President), Ir Chang Yew Cheong (TEEAM Council Member) and Mr Lawrence Lai Kun Hoong (TEEAM Council Member).



Strong bonds – (seated from left) Ir Rocky Wong Hon Thang (TEEAM Honorary Fellow cum Technical Adviser), Mr Simon Leong Kien Khan (TEEAM Council Member), Dato' Ir Lee Peng Joo (TEEAM Immediate Past President cum Adviser), Ir Amir Hassan (ST Deputy Director of Electrical Safety), Engr Fu Wing Hoong (TEEAM President), YBhg Datuk Ir (Dr) Mohd Annas Hj Mohd Nor (TEEAM Technical Adviser) and Ir Wong Loo Min (ACEM President). (standing from left) Engr Leong Kam Seng (TEEAM Vice President), Mr Suresh Kumar Gorasia (TEEAM Past President) and Mr Ho Khai Hong (TEEAM Honorary Secretary).

(0.01) above 0.85 lagging PF will be given to the bill for that month.

If the overall PF can be kept at 0.95, it means that there is an extra 10% electrical power in the system available for distribution. TNB can sell an extra 10% without incurring any extra cost, and the amount of carbon reduction would be substantial.

Foreign Workers

The shortage of workers is real and is across the whole spectrum of the M&E industry. TEEAM calls on the government to have a clear policy to manage foreign workers in an orderly manner. Malaysia needs foreign workers to help us move into the high income economy. Only with a steady supply of workers will the companies be able to expand and create high income economy opportunity.

Construction Industry Payment Adjudication Act (CIPAA)

The main issue affecting the construction industry has always been the problem of delay as well as non-payment. Alternative dispute resolutions such as arbitration and litigation are time consuming and are often expensive. Hence the proposed CIPAA is recommended to ensure timely payment. TEEAM appreciates CIDB's effort in driving the proposed CIPAA to be enacted. However, the Act is yet to be gazetted and it is hoped that all M&E associations can join force to pressure the government to expedite the matter.

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Application:
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LED lighting systems from OSRAM support a large number of applications, yet are particularly easy and convenient to operate. With OSRAM Power LED T8, it is possible to develop task-related lighting concepts that are both highly economical and eco-friendly.

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LED modules from OSRAM have revolutionized illuminated advertising. They are small, compact, reduces cost and gives the cold shoulder to wind and weather. Lettering and logos lit with LED technology are extremely robust and present companies in a new light.

Application:
Channel letter, lightbox, cove lighting



Golf Competition

It was a fine sunny afternoon when golfers tee-off on 8th July 2010 to vie for the TEEAM Golf Championship. The game was held at Staffield Golf & Country Resort with an overwhelming response from 144 golfers. It was a great networking sports event with many golfers went home with great prizes and good memories.

The TEEAM Sports Committee took the opportunity to organise a charity drive to raise fund for the Kaizen Children's Home in Semenyih. The golfers donated generously during the prize presentation ceremony. A total of RM4,558 was raised to help the home's less fortunate children.

It was a splendid day of joy and charity. A word of heartfelt thanks was recorded by the home's Chairperson, Ms Agatha Yong to all the generous golfers. The list of winners and sponsors appears on page 27 and 29 respectively.



Getting ready – Golfers ready to roll out in their buggy.



Golfers with bon-bon girls – (from left) Engr Fu Wing Hoong (TEEAM President), Mr Chan Kaim Sam (Deputy President of The Perak Electrical Association), Mr Ishak Omar (guest from JKR) and Mr Chiew Kon Inn (Member of Sabah Electrical Association).



Happy game – (from left) Mr Liang Kok Boon (TEEAM Sports Chairman), Engr Fu Wing Hoong (TEEAM President), Mr Teoh Yew Yean (President of Penang Electrical Merchants' Association), Mr K M Lee (Chi-Tak, Butterworth) and Mr Fong Mun Loon (TEEAM Council Member).



At the green – Enthusiastic golfers posing with Fuji bon-bon girls.



Taking a break – Golfers enjoyed drinks and snacks sponsored by Fuji Electric.



Group photo – Some 144 golfers gather at Staffield Country Resort to vie for the TEEAM Golf Championship.

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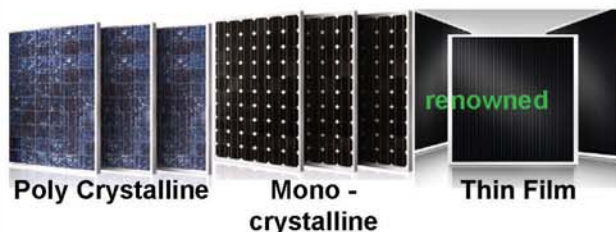
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..... Continue Golf Competition



For the album – (from left) Mr Hamdan Zambahari (Individual), Mr Seow Nam Seng (TEEAM Sports Committee) and Mr Cheong Pak Fatt (SnJ Lite).



Attractive prizes – A big thank-you to our generous sponsors.



Fund-raising charity – A kind donation totalling RM4,558 was raised from the golfers and guests during the dinner for Kaizen Children's Home. Mr Liang Kok Boon (TEEAM Sports Chairman) presenting the donation to Ms Agatha Yong (Chairperson of Kaizen Children's Home).



Joyous meet – All winners enjoyed the game.



Overall Gross Champion – (right) Mr Fung Swee Yen (PLK Electrical) receiving the EITA-Furutech Challenge Trophy from Engr Fu Wing Hoong (TEEAM President). He scored 78 strokes.



B-Medal Nett Champion – (left) Mr Low Chee Shoong (guest of MEA Automation) receiving a trophy and Olympus SLR digital camera from Engr Fu Wing Hoong (TEEAM President). He scored 41 strokes.



A-Medal Nett Champion – (right) Mr Chua Poh Aik (Sime Darby Industrial) receiving a trophy and Olympus SLR digital camera from Engr Fu Wing Hoong (TEEAM President). He scored 39 strokes on OCB.



..... Continue Networking Luncheon with ST & M&E Associations

managed by the regulatory authorities, industry associations and government users. It is estimated the laboratory will cost about RM500 million, and another RM100 million per year for the next five years to get it to the stage of self-financing. This is a necessary infrastructure to propel the electrical industry.

Green Technology

TEEAM is in support of the government's move to emphasise on green technology. We

are in full support of special feed-in-tariff for BIPV grid connected and renewable power sources from solar, biomass, hydro and wind etc. This encourages building owners to use roof top space to collect energy and it also helps to promote new industry in the manufacture of DC equipment for use in office with BIPV system and the planting up of more renewable power.

Building Integrated Cooling (BIC) System is another energy conservation effort that is

supported by TEEAM. Water is pumped to a storage tank on top of a building and is then supplied to the taps in the building by gravity and in some cases with pumps. If this water is made to flow to the walls facing the sun, it will help to remove the heat, hence reducing air conditioning load besides supplying warm water to showers. We believe that this will be a well supported green initiative. TEEAM hopes to have collaboration with M&E associations in this area.





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Golf Competition Winners

A MEDAL

GROSS

Gross Champion:

Fung Swee Yen

Trophy + Panasonic 42" Plasma TV

2nd Prize:

Hamdan Zambahari

Trophy + Panasonic 32" LCD TV

3rd Prize:

Albert Koh

Trophy + Samsung Home Theatre System

NETT

Nett Champion:

Chua Poh Aik

Trophy + Olympus SLR Digital Camera

2nd Prize:

Yeow Soon Yong

Trophy + Panasonic 32" LCD TV

3rd Prize:

Ho Jin Hin

Trophy + Samsung Home Theatre System

4th Prize:

Liang Kok Boon

Maruman Golf Bag

5th Prize:

Beh Eng Lai

Perrygear Golf Bag

6th Prize:

Ho Shi Yin

Footjoy Golf Shoe

7th Prize:

Wong Jiann Shyong

Panasonic Microwave Oven

8th Prize:

Aaron Fong

Polar Cooler Box

9th Prize:

Dennis Heng

Panasonic Rice Cooker

10th Prize:

Chong Kiun Yong

Camel Backpack

B MEDAL

Special Prize for Best Gross:

Teoh Yew Yean

Trophy

NETT

Nett Champion:

Low Chee Shoong

Trophy + Olympus SLR Digital Camera

2nd Prize:

Ivan K Y Chan

Trophy + Panasonic 32" LCD TV

3rd Prize:

Francis Y H Ng

Trophy + Samsung Home Theatre System

4th Prize:

Teoh Yew Yean

Maruman Golf Bag

5th Prize:

Alex Sum Chan Hoong

Perrygear Golf Bag

6th Prize:

Chiew Kon Inn

Footjoy Golf Shoe

7th Prize:

Lee Kuan Chew

Panasonic Microwave Oven

8th Prize:

Francis Heng

Polar Cooler Box

9th Prize:

Philip Chong

Panasonic Rice Cooker

10th Prize:

Ted Tan

Camel Backpack

11th Prize:

Alvin Choi Kwok Wah

Penasonic Oven

12th Prize:

Lau Kok Choy

Penasonic Blender

NOVELTY EVENT

NTP (Western Hole 8):

Christopher Sin

KDK Stand Fan

NTP (Southern Hole 2):

Wong Kian Nyak

KDK Stand Fan

NTP (Northern Hole 4):

Ted Tan

KDK Stand Fan

NTL (Western Hole 4):

Ho Jin Hin

KDK Stand Fan

NTL (Southern Hole 3):

Lim Yok Kee

KDK Stand Fan

NTL (Northern Hole 6):

Lee Woon Kee

KDK Stand Fan

LONGEST DRIVE & WOODEN SPOON

Longest Drive (Western Hole 4):

Seow Nam Seng

Maruman Golf Bag

Longest Drive (Southern Hole 3):

Ted Tan

Maruman Golf Bag

Longest Drive (Northern Hole 6):

Wong Jiann Shyong

Maruman Golf Bag

Wooden Spoon (A Medal)

2nd Last:

Hoi Chee Kheong

DVD on Golf Lessons + LG DVD Player + Wooden Spoon

Wooden Spoon (B Medal)

2nd Last:

Joe Ong

DVD on Golf Lessons + LG DVD Player + Wooden Spoon

OVERALL GROSS CHAMPION

Fung Swee Yen

EITA – Furutec Challenge Trophy

OVERALL NETT CHAMPION

Ivan K Y Chan

TEEAM Challenge Trophy



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The TEEAM Sports & Recreation Sub-Committee wishes to record its thanks and appreciation to the following sponsors for their generous donations of goodies, prizes and cash for the TEEAM Golf Competition 2010:

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Special Hotel Room Rates for TEEAM Members

We in TEEAM care for our members' interests! One of the benefits for our members is that the TEEAM Secretariat had obtained discounts on room rates from hotels in Malaysia. Whether you are on a business trip, family holiday or organising seminar, TEEAM will always be happy to assist you.

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Guangzhou Lighting & Electrical Building Fair 2010

A 4-day Guangzhou International Lighting & Electrical Building Fair 2010 was successfully held from 9th to 12th June 2010 at China Import and Export Fair Pazhou Complex, Guangzhou, China. TEEAM is one of the supporting organisations to the Guangzhou International Lighting Exhibition 2010 and Electrical Building Technology Fair 2010.

A 12-member delegation from TEEAM headed by Council Member, Mr Lawrence Lai Kun Hoong of Lightning Power Surge Protection Sdn Bhd visited the fair. Other participants were Mr Ng Jia Wen (Lightning Power Surge Protection Sdn Bhd), Mr Narendren Rengasamy (Novabrite Lighting Sdn Bhd), Mr Siew Choon Thye (Megalux Lightings Sdn Bhd), Mr Koh Hark Hwa (Kohsun (KL) Sdn Bhd), Mr Kong Chee Seng (Antara Elektrik Sdn Bhd), Mr Kong Chee Hoong (Antara Elektrik Sdn Bhd), Mr Lum Kok Ming (Antara Elektrik Sdn Bhd), Mr Lim



Opening ceremony – VIPs at the opening. The exhibition was held at China Import & Export Fair Pazhou Complex, Guangzhou, China.

Eng Soo (Antara Elektrik Sdn Bhd), Mr Moh Yuet Hee (Raja Tan Sri Zainal & Phang Sdn Bhd), Mr Wong Keh Voon (Antara Elektrik Sdn Bhd) and Mr Leong Kin Yue (Ablecon Engineering Sdn Bhd).

source products. It was an effective sourcing platform especially for LED products. It is the biggest in Asia as a lighting industry show and the world's second biggest lighting show for lighting products and services.



Networking cocktail – (from left) Mr Lawrence Lai Kun Hoong (Lightning Power Surge Protection), Mr Narendren Rengasamy (Novabrite Lighting) and Mr Ng Jia Wen (Lightning Power Surge Protection).

The event organiser, Guangzhou Guangya Messe Frankfurt Co Ltd has successfully organised a showcase of the latest development of electrical building technology and products which are more focused on lighting and building technology to cater for the unique demand of buyers/visitors.

The exhibition was specially targeting the broadest lighting portfolio in Asia which has become a gateway to source for quality and competitive value lighting products, equipment and accessories. Thousands of architects, building planners, lighting retailers and wholesalers from around the world converged to seek business opportunity and

This technical event is recognised as a quality Asian sourcing platform where exhibitors can meet architects, building authorities, designers, engineers, planners, developers and contractors, local and international manufacturers, vendors, distributors and users from the lighting industries all over the world. The exhibition was a good platform for exhibitors to showcase new technology and to discuss business opportunities with potential clients.

The next edition of the fair will be held from 9th to 12th June 2011 at China Import and Export Fair Pazhou Complex, Guangzhou, China.



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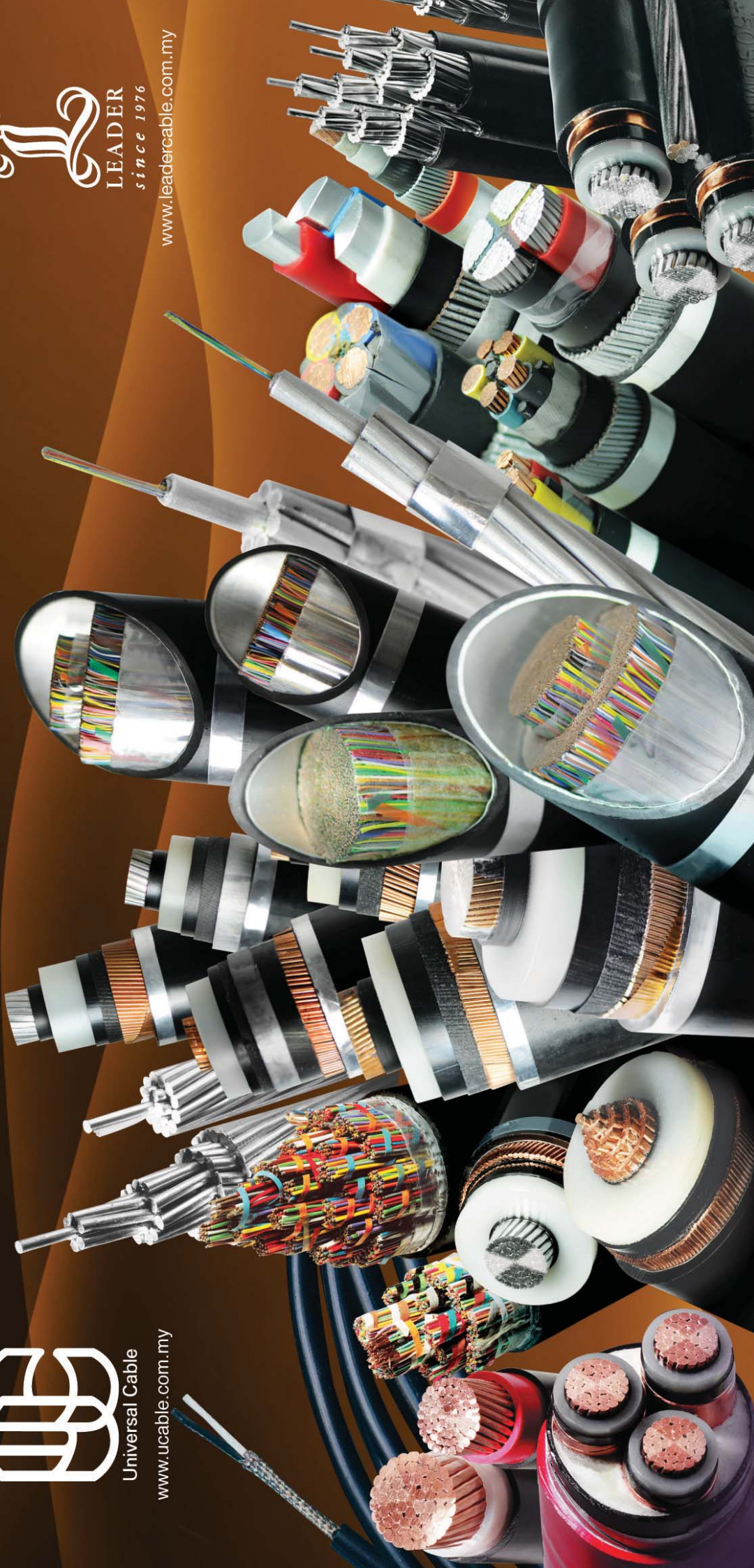
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Academic Excellence & Vocational Training Awards

We are proud of you! Winners of the prestigious TEEAM academic excellence awards were rewarded for their outstanding performance in the 2009 public examinations. A ceremony was held on 24th July 2010 at TEEAM.

The number of awards given this year is nine for UPSR category, eight for PMR category, six for SPM category, one for STPM category and three for A-Level. Eighteen book prizes are awarded to the best electrical, electronics and mechatronics engineering undergraduates from University of Malaya (UM), University of Science Malaysia (USM), University of Technology Malaysia (UTM) and University of Tunku Abdul Rahman (UTAR). The best trainee of building wiring installer course is also awarded. The USM and UTM recipients received their book prizes through state association members, ie Penang Electrical Merchants' Association and Johor Bahru Electrical & Electronics Association respectively.

When interviewed, UPSR recipient, Goh Wen Jin said that he does revision at least two hours every day to get straight As in his results. The young boy has an ambition to become a pilot. During his free time he plays computer games.

Another UPSR recipient, Ali Imran Mohd Zaini believes that constant revision and tuition help him to achieve good results. He hopes to study in medical field as he aspires to become a doctor. He likes outdoor activities such as fishing and cycling.

Teh Zhi Quan, a PMR recipient attributes his success to doing a lot of revision exercises and paying full attention in class. Badminton and football are his favourite sports. He hopes to study in engineering or chemical fields. He hopes to build a career in mechatronics engineering.



Proud day – Academic awards and book prizes recipients posing with TEEAM officials.

Also a PMR recipient, Yeo Yen Chi agreed that sufficient revision is the key of her success. Yen Chi wishes to be an accountant. She loves drawing and playing chess.

One of the SPM recipients, Chua Jung Kiang said that he has no secret in achieving good results. However he does not sacrifice fun for academic achievement. He hopes to be an engineer and will be pursuing study in the field of engineering in Canada. He loves football and surfing internet during his free time.

Nelson Hii Hie Sheng is the only STPM recipient. He always studies hard and smart. He will be pursuing his study in arts and social science in UM. Nelson wishes to be a teacher or lecturer as he hopes to contribute to the society by educating the younger generation to build the nation.

A-Level recipient, Mah Ming Yi shared that she always has enough sleep before her exam. It takes hard work to build up academic confidence and she loves to share knowledge among her friends. She is currently pursuing a bachelor's degree in finance, accounting and management in University of

Nottingham Malaysia Campus. She loves performing arts.

Ng Wee Lit, one of the TEEAM book prize recipients from the electrical engineering field of University of Malaya said that he has his own study system. He always seeks his lecturers' advice in his lessons and he continues to learn new knowledge to upgrade himself. He will focus his study in microelectronics and hopes to create or innovate some electronic products which are beneficial to mankind.

Another book prize recipient Ch'ng Khai Chiah who is an undergraduate from the electrical and electronics faculty of UTAR, believes that his good achievement is the result of his attitude of enthusiasm. He focuses on understanding and memorising his study. He wishes to be a professional engineer and be involved in management level. He planned to continue his study to achieve PhD and hopes that his profession can contribute to develop the nation to be advanced in the electronics field.

It was a proud and joyous occasion for all the recipients and their parents. The list of recipients appear on page 37, 39 and 41.



STPM recipient – Nelson Hii Hie Sheng receiving his award from Engr Fu Wing Hoong (TEEAM President). Looking on is Engr Leong Kam Seng (Academic Excellence Awards Chairman).



Book prize recipient – Yap Choon Kiat from UTAR receiving an award from Engr Fu Wing Hoong (TEEAM President). He is the best 2nd year undergraduate of UTAR in Mechatronics Engineering. With them is Engr Leong Kam Seng (Academic Excellence Awards Chairman).



Top trainee of BWI course – Recipient, Lui Yau Tong receiving an award from Engr Fu Wing Hoong (TEEAM President). Looking on is Engr Leong Kam Seng (Academic Excellence Awards Chairman).

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The firefly is symbolic of TNB's commitment to our customers and the country. TNB supports the conservation of the *Lampyridae* firefly colony found along riverbanks of Kampung Kuantan, Kuala Selangor. The area turns magical as the sun sets and the sky is enveloped in darkness. The fireflies will then flash their lights in unison, creating a spectacular light show only nature could provide.

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TENAGA NASIONAL

..... Continue Academic Excellence & Vocational Training Awards



For the album – BWI trainees with (standing 2nd from right) Ms Priscilla Liew (Education & Training Sub-Committee Member).



High achievers – (2nd from left) Teh Zhi Quan (PMR recipient) and Teh Xin Ying (A-Level recipient) together with their parents, Mr & Mrs Teh Cheng Hwa.



We are proud of you! – Mr & Mrs Goh Lai Yoong posing with their smart children, (from left) Goh Wen Ju (PMR recipient), Goh Jen Nie (SPM recipient) and Goh Wen Jin (UPSR recipient).



We did it! – (2nd from left) Kingsley Lee Sze Jian (PMR recipient) and Kingston Lee Sze Phin (A-Level recipient) posing with their parents, Mr & Mrs Henry Lee Seek Hor.



Congratulations! – Recipients posing with their parents. UPSR recipients Ali Imran Mohd Zaini (extreme right) & Irfan Sabri Mohd Sabri (3rd from right) and PMR recipient, Muhammad Amir Ridhwan Mohd Rodzi (2nd from left).



Joyous moment – (left) Mr Simon Leong Kien Khan (TEEAM Council Member) posing with his staff, Mr Yeo Hau Sun & family. 2nd from right is Yeo Yen Chi a PMR recipient.



Happy family – (2nd from left) Choong Yu Joe (UPSR recipient) and Choong Yee Wen (SPM recipient) with their proud parents, Mr & Mrs Choong Chin Kiong.



Well done – Mr & Mrs Soh Chean Seng are proud of their lovely daughters, (2nd from left) Soh Pui Lei (SPM recipient) and Soh Pui Lin (UPSR recipient).



Good work girl! – Siaw Fang Ni (UPSR recipient) sharing her success with her proud dad, Mr Siaw Nyit Chin.

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(EWT Transformer Sdn Bhd)

Results : 5As in BM Pemahaman,
BM Penulisan, E, M, & S

Age : 13 years

Ambition : Doctor

Interest/Hobby : Playing Computer Games
& Fishing



Choong Yu Joe

(EE Inael Sdn Bhd)

Results : 5As in BM Pemahaman,
BM Penulisan, E, M, & S

Age : 13 years

Ambition: Doctor

Interest/Hobby : Playing Badminton



Goh Wen Jin

(E & A Letrik (M) Sdn Bhd)

Results : 5As in BM Pemahaman,
BM Penulisan, E, M, & S

Age : 13 years

Ambition : Pilot

Interest/Hobby : Playing Computer Games



Irfan Sabri Mohd Sabri

(EWT Transformer Sdn Bhd)

Results : 5As in BM Pemahaman,
BM Penulisan, E, M, & S

Age : 13 years

Ambition : Doctor

Interest/Hobby : Reading



Looi Jia Yi

(Time Era Sdn Bhd)

Results : 7 As in BC Pemahaman,
BC Penulisan, BM Pemahaman,
BM Penulisan, E, M & S

Age : 13 years

Ambition : Engineer

Interest/Hobby : Reading, Jogging &
Playing Badminton



Siaw Fang Ni

(Vitarco Electrical Supplies Sdn Bhd)

Results : 7 As in BC Pemahaman,
BC Penulisan, BM Pemahaman,
BM Penulisan, E, M & S

Age : 13 years

Ambition : Successful Business Woman

Interest/Hobby : Reading & Surfing Internet



Soh Pui Lin

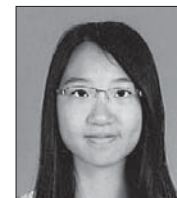
(Perniagaan Letrik ANS Sdn Bhd)

Results : 5As in BM Pemahaman,
BM Penulisan, E, M, & S

Age : 13 years

Ambition : Scientist

Interest/Hobby : Dancing & Singing



Teoh Xiao Qian

(Teoh Ee Boon)

Results : 7 As in BC Pemahaman,
BC Penulisan, BM Pemahaman,
BM Penulisan, E, M & S

Age : 13 years

Ambition : Accountant

Interest/Hobby : Reading & Picnic



Wong Zheng Foong

(The Perak Electrical Association)

Results : 7 As in BC Pemahaman,
BC Penulisan, BM Pemahaman,
BM Penulisan, E, M & S

Age : 13 years

Ambition : Lawyer

Interest/Hobby : Playing Football



PMR (RM 200.00)

Chong Wei Theng

(Kitlite Letrik Sdn Bhd)

Results : 7 As & Excellent in 4 Projects

Age : 16 years

Ambition : Doctor

Interest/Hobby : Watching Television



Goh Wen Ju

(E & A Letrik (M) Sdn Bhd)

Results : 7 As & Excellent in 4 Projects

Age : 16 years

Ambition : Agriculture

Interest/Hobby : Cycling



Kingsley Lee Sze Jian

(Henry Lee Seek Hor)

Results : 8 As & Excellent in 4 Projects

Age : 16 years

Ambition : Doctor

Interest/Hobby : Surfing Internet



Lim Kee Yee

(Sin Lian Wah Electric Sdn Bhd)

Results : 8 As & Excellent in 4 Projects

Age : 16 years

Ambition : Business Woman

Interest/Hobby : Surfing Internet



Note: BM – Bahasa Malaysia

BC – Bahasa Cina

E, M, S – English, Mathematics & Science

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PMR (RM 200.00)

Muhammad Amir Ridhwan Mohd Rodzi

(EWT Transformer Sdn Bhd)

Results : 8 As & Excellent in 5 Projects

Age : 16 years

Ambition : ICT Engineer

Interest/Hobby : Surfing Internet



Teh Zhi Quan

(G.C.P. Industries Sdn Bhd)

Results : 7 As & Excellent in 4 Projects

Age : 16 years

Ambition : Engineer

Interest/Hobby : Playing Badminton



Victor Lee Vei Jun

(Syarikat Elektrik Senggora Sdn Bhd)

Results : 7 As & Excellent in 4 Projects

Age : 16 years

Ambition : Engineer

Interest/Hobby : Playing Badminton



Yeo Yen Chi

(Federal Electrical Engineering Sdn Bhd)

Results : 8 As & Excellent in 4 Projects

Age : 16 years

Ambition : Accountant

Interest/Hobby : Reading



SPM (RM 500.00)

Chua Jung Kiang

(Bistanika Sdn Bhd)

Results : 9-A+, 1-1A

Age : 18 years

Ambition : Engineer

Interest/Hobby : Playing Football



Goh Jen Nie

(E & A Letrik (M) Sdn Bhd)

Results : 8-A+, 3-A, 1-1A

Age : 18 years

Ambition : Lawyer

Interest/Hobby : Playing Basketball



SPM (RM 450.00)

Choong Yee Wen

(EE Inael Sdn Bhd)

Results : 7-A+, 2-A, 1-A-, 1-1A

Age : 18 years

Ambition : Dentist

Interest/Hobby : Reading & Drawing



SPM (RM 400.00)

Jolynn Wong Yu Ling

(Hoong Lee Heng Sdn Bhd)

Results : 5-A+, 5-A, 1-A-, 1B, 1-1A

Age : 18 years

Ambition : Petroleum Engineer

Interest/Hobby : Playing Tennis



SPM (RM 300.00)

Soh Pui Lei

(Perniagaan Letrik ANS Sdn Bhd)

Results : 5-A+, 2-A, 3-A-, 1-1A

Age : 18 years

Ambition : Business Woman

Interest/Hobby : Dancing



Wong Chi Lyne

(The Perak Electrical Association)

Results : 5-A+, 3-A, 2-A-, 1-B, 1-C+, 1-2A

Age : 18 years

Ambition : Accountant

Interest/Hobby : Surfing Internet



A-Level (RM 800.00)

Mah Ming Yi

(See Kwong Electric (KL) Sdn Bhd)

Results : 5As

Age : 20 years

Ambition : Marketing Manager/ Business Woman

Interest/Hobby : Performing Art



Teh Xin Ying

(G.C.P. Industries Sdn Bhd)

Results : 4As

Age : 19 years

Ambition : Engineer

Interest/Hobby : Playing piano



A-Level (RM 700.00)

Kingston Lee Sze Phin

(Henry Lee Seek Hor)

Results : A, A, B

Age : 20 years

Ambition : Accountant

Interest/Hobby : Reading



STPM (RM 700.00)

Nelson Hii Hie Sheng

(Electrical Association of Sarawak & Sabah)

Results : A, A, B+

Age : 20 years

Ambition : Teacher

Interest/Hobby : Reading





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Workshop on Underground Survey

On 28th April 2010, a workshop on “Safe Digging and Important Information from Underground” was held at TEEAM Conference Room. It was jointly organised by RD-Palmer Technology (M) Sdn Bhd and TEEAM. Participants had the opportunity to learn about the latest technologies available to locate underground utilities before digging works are carried out. This is the best practice to avoid costly damages, injuries and death.

Apart from lecture, the day was filled with live product demonstration. The MALA Easy Locator, a ground penetrating radar system can locate materials such as concrete, plastic & optic fiber in water, gas and telecommunication lines. While Radiodetection products are powerful pipe and cable locators. They provide accuracy, speed and reliability to users. Besides, RD-Palmer also introduced a range of monitoring, detection and control equipment.

The workshop was very interactive and it attracted some 45 participants.



During workshop – Participants listening attentively to the presentation.



Speaker – Mr Fok Wai Mun (Technical Sales Engineer, RD-Palmer) giving his presentation.



Hands-on – Mr Brian Wright demonstrates the use of utility cable & pipe locator and ground penetrating radar system.



Guest speaker from UK – Mr Brian Wright (Regional Manager - South East Asia of MALA GeoScience) shared his expertise.

..... Continue Recipients of Academic Excellence / Vocational Training Awards & Book Prizes 2010

Book Prizes 2010 (RM 200.00)

University of Malaya

Electrical

Ng Wee Lit – 2nd year
Chew Kui Fuei – 3rd year

Telecommunications

Tan Choon Sean – 2nd year
Wong Wei Ru – 3rd year

University of Science Malaysia

Electrical

Afifah Liyana Athirah Azizan – 2nd year
Loke Joo Yong – 3rd year

Electronics

Ong Nai Fook – 2nd year
Ong Ping Ping – 3rd year

Mechatronics

Ng Shui Lei – 2nd year
Lim Wei Hong – 3rd year

University of Technology Malaysia

Electrical

Mohd Khairul Ashraf Mohd Nazri – 2nd year
Nurul Aziah Arzaha – 3rd year

Electronics

Lau Jye Hui – 2nd year
Ng Chee Wung – 3rd year

University of Tunku Abdul Rahman

Electrical & Electronics

Ch'ng Khai Chiah – 2nd year
Lam Wai Hao – 3rd year

Mechatronics

Yap Choon Kiat – 2nd year
Lim Yu Hung – 3rd year

Vocational Training Awards 2010

CIDB BWI 017 (RM300.00)

Diong Yee Meng

CIDB BWI 018 (RM300.00)

Lui Yau Tong



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Bowling Tournament

The annual overwhelming bowling tournament of TEEAM was held on 25th April 2010 at Sunway Pyramid Megalanes. There were 77 male bowlers and 28 lady bowlers who took part in the singles event. This year TEEAM introduced the team event and there was 8 enthusiastic teams. The tournament was a great success with members and their employees having a great time. The list of winners and sponsors appears on page 49.



For the album – All bowling contingents wore the Chi-Tak & Schneider sponsored t-shirts.



“Bowling King” – Mr Loke Chan Hon (EITA Resources) receiving an Omron automatic blood pressure monitor, replica and Chi-Tak challenge trophy from Ir Steven Ng Khoon Hwa (TEEAM Deputy President). He scored a pinfall of 1084.



1st runner-up, men’s event – Mr Ajah Maidien (Sunway Engineering) receiving trophy and Jaya Jusco cash voucher from Ir Steven Ng Khoon Hwa (TEEAM Deputy President).



2nd runner-up, men’s event – Mr Lau Choong Heng (Systematic Electrical) receiving trophy and Jaya Jusco cash voucher from Ir Steven Ng Khoon Hwa (TEEAM Deputy President).



“Bowling Queen” – Ms Yong Sim Min (Omron Electronics) receiving an Omron automatic blood pressure monitor, replica and Chi-Tak challenge trophy from Mr Yap Ching Kiat (TEEAM Vice President). She scored a pinfall of 601.



2nd runner-up, ladies’ event – Ms Mar Azian (Sunway Engineering) receiving trophy and Jaya Jusca cash voucher from Mr Yap Ching Kiat (TEEAM Vice President).



1st runner-up, ladies’ event – Ms Alice Cheng Soon Kwong (Seng Electric) receiving trophy and Jaya Jusca cash voucher from Mr Yap Ching Kiat (TEEAM Vice President).



Special prize for high games – Ms Irish Lim (EITA Resources) receiving ABB bath towel from Mr Liang Kok Boon (TEEAM Sports Chairman).



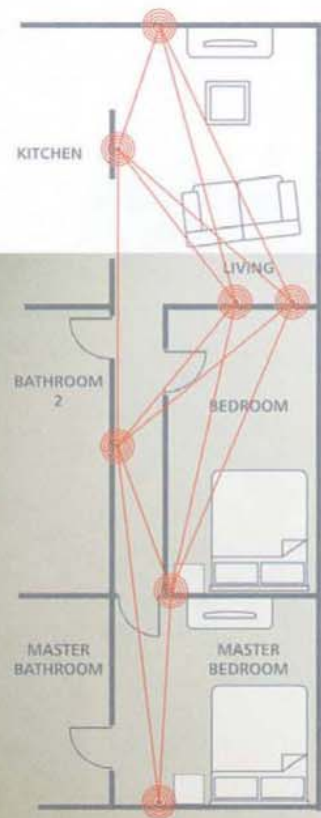
Special prize for high games – (left) Mr Tang Chee Ming (Systematic Electrical) receiving ABB bath towel from Mr Ho Khai Hong (TEEAM Honorary Secretary).



2nd runner-up, team event – Team from Central Cables received trophy and Fuji bath towels from (2nd from right) Mr Liang Kok Boon (TEEAM Sports Chairman). The winners are (from left) Mr Roslie Salleh, Mr Henry Yeo and Mr Halimi Miseli.

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Power Quality Symposium 2010

A Power Quality Symposium (PQS) was successfully held on 13th and 14th July 2010 at Putra World Trade Centre, Kuala Lumpur. The conference was jointly organised by Technical Committee of Power Quality Malaysia (TCPQ), Universiti Teknologi Malaysia – Centre of Electrical Energy Systems and managed by Asia iKnowledge.

The conference was supported by the Ministry of Energy, Green Technology and Water, Institute of Engineers Malaysia, The Institution of Engineers Singapore, Federation of Malaysian Manufacturers, Standards Malaysia, SIRIM Bhd, Energy Commission Malaysia (ST), Syarikat SESCO Bhd, Advanced Power Solutions, Texas Instrument and TEEAM. It was sponsored by Fluke, Tenaga Nasional Berhad and Mahkota Technologies Sdn Bhd. The Deputy Minister of Energy, Green Technology and Water, Honorable Hajah Noriah Kasnon officiated the conference on 13th July 2010.

Electrical equipment has become increasingly complex in term of functions. As a result of increasing complexity, many types of electrical equipment today are more sensitive to deviations of the supply voltage. Industries, commercial interest and public utilities can be significantly affected by problems in Electromagnetic Compatibility (EMC) and these issues have created a need for EMC standards. In industry, standards compliance can ensure proper functioning of sensitive equipment while limiting the level of disturbances and interferences. For utilities, compliance will help ensure compatibility among different customers within the supply system, resulting in lesser distortions and enhanced power quality (PQ).

Poor PQ can dramatically increase the cost of doing business which may run into in



Group photo – Delegates at the PQS 2010.

hundreds of billion dollars worldwide. For many businesses, the cost of poor PQ is higher than the electricity bill. The results are lost production, equipment damage, idling personnel, data loss, revenue postponed, negative impact on cash-flow, loss of goodwill from customers and possibly even loss of market share.

ST has recognised 20 PQ Standards as voluntary standards. ST is currently undertaking a study to assist in making the decision of certain standards to be made into regulatory requirements such as harmonics limits of low voltage equipment, as this may have substantial impacts and benefits on Malaysian energy customers.

Thus, PQ Symposium 2010 was held to bring together PQ experts from New Zealand and Singapore to discuss the most recent and significant innovations, technologies and policies regarding power quality. The experts shared their experiences in their countries and their

international experiences. They presented research work of academic and technical excellence in the area of PQ and welcomes paper submissions.

This symposium also gathered specialists in the field of electric PQ for the exchange of scientific and technical information as well as to provide a platform for sharing the latest developments and experience in the field of PQ.

The symposium aimed to familiarise PQ stakeholders with the Malaysian and International Standards on PQ; to share experiences by discussing PQ problems from the aspects of technical, legal and financial incentives; to exchange and disseminate research findings and discuss recent developments in the areas of PQ; to develop and enhance networking as well as to strengthen the collaboration among regulators, researchers, electric power industries, and Malaysian universities in the field of PQ.



Paper presentation – Presentation by Ir Rocky Wong Hon Thang (TEEAM Honorary Fellow cum Technical Adviser).



Panel discussion on PQ issues in Malaysia – Discussion on the status of PQ baseline study project; Malaysian PQ event statistics; and the impact of the PQ disturbances to Malaysian industries.

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..... Continue Power Quality Symposium 2010

All delegates were invited to attend the PQS 2010 Gala Dinner which was held on 13th July 2010 to mark the 10th anniversary of the TCPQ. The evening consisted of a formal banquet-style dinner and a programme of keynote speeches from the TCPQ and Standards Malaysia. The book launching of the PQ monograph by TCPQ was commemorated at the celebrated social event, attended by VVIPs, dignitaries, and media representatives.

Over a full 2-day period, the PQS 2010 delivered on the first day critical tutorials and workshops and on the second day 35 technical

presentations held in three parallel sessions. The TCPQ has developed a great line-up of topics and speakers which include experienced trainers, top academic professors, developers, engineers, and end users from across the country. The 2-day symposium was entitled to 12 CPD hours approved by the Board of Engineers Malaysia.

There were also some exhibiting booths displaying products and services included PQ monitoring equipment, test and measuring equipment, testing technology, computer equipment, analytical instruments, research and

development required for the industry and books. Participating companies included Power Quality Engineering Sdn Bhd, Tritan Engineering Sdn Bhd, ADC Power Concept Sdn Bhd, LKE Electric (M) Sdn Bhd, Universiti Teknologi Malaysia, Advanced Power Solutions Sdn Bhd, Dataran Berlian Sdn Bhd, Tenaga Nasional Berhad, SIRIM Berhad, CETM Electrotest Sdn Bhd, KVC Industrial Supplies Sdn Bhd, Trastech Sdn Bhd, Federation of Malaysian Manufacturers, TEEAM, The Malay Mail, E-Plan Competence Centre SEA and Standards Malaysia.

Speakers' Papers

- Tutorial 1 – Overview of Power Quality & Reliability by *Ir Rocky Wong Hon Thang, TEEAM Honorary Fellow cum Technical Adviser*
- Tutorial 2 – Earthing by *Ir Dr Lock Kai Sang, PQR Technologies Pte Ltd*
- Tutorial 3 – Lightning and Surge Protection by *Ir Dr Lock Kai Sang, PQR Technologies Pte Ltd*
- Tutorial 4 – Harmonics by *Prof Neville Watson, University of Canterbury, New Zealand*
- Tutorial 5 – Harmonics Mitigation Options by *Prof Neville Watson, University of Canterbury, New Zealand*
- Tutorial 6 – Voltage Sags & Ride Through Capability Test by *Prof Dr Khalid Mohamed Nor, UTM*
- Tutorial 7 – Voltage Sag Mitigation by *Prof Dr Khalid Mohamed Nor, UTM*
- Keynote address on Powering & Grounding Mission-Critical Electronic Equipment by *Ir Dr Lock Kai Sang, PQR Technologies Pte Ltd*
- Keynote address on Power Quality: A New Zealand Perspective by *Prof Dr Neville Watson, University of Canterbury New Zealand*
- Paper 1: The Malaysian Standards on Power Quality in the Last Decade (2000-2010) by *Prof Dr Khalid Mohamed Nor, UTM and Chairman of TCPQ*
- Paper 2: PQ and Installation Practices by *Ir Rocky Wong Hon Thang, TEEAM Honorary Fellow cum Technical Adviser*
- Paper 3: Power Quality Regulation and Financial Incentives-Regulator's Perspectives by *Hj Abdul Aziz Hj Abdul Rahman, Energy Commission Malaysia*
- Paper 4: Power Quality Challenges in Malaysia by *Ir Mohd Fuad Faisal, TNB*
- Paper 5: Power Quality Monitoring of Large Power Users in Sarawak by *Victor Wong, Sarawak Energy*
- Paper 6: Cost of Power Quality in a Semiconductor Industry by *Omar Badar, Texas Instruments Malaysia*
- Paper 7: Application of Power Quality in Petronas by *Ir Pantaleon Su, Petronas*
- Paper 8: A Device for Improving the Voltage Sag Ride through Capability of PCs by *Hussain Shareef, Azah Mohamed and Khodija Mohamed, UKM*
- Paper 9: The Significance of Functional Grounding in EMC & PQ by *Engr Satha A Maniam, Acuity System Consultants Sdn Bhd*
- Paper 10: Electromagnetic Compatibility (EMC) Requirement for Semiconductor Plants-A Case Study in Malaysia by *Ir Mohamed Fuad Faisal, TNB*
- Paper 11: A Method for Locating Harmonic Source at the Point of Common Coupling by *Masoud Farhoodnea, Azah Mohamed and Hussain Shareef, UKM*
- Paper 12: PQ Consultancy Services – TNB Initiatives for Malaysia Industries by *Ahmad Nizam Hassan and Hamdan Ali, TNB Energy Services; and Abdul Aziz Hussin, TNBD*
- Paper 13: Loss Evaluation of Transformer Supplying Non-Sinusoidal Load Current using Measured Harmonic Data by *Dalila Mat Said, Prof Dr Khalid Mohamed Nor, Md Shah Majid, UTM*
- Paper 14: Optimal Monitor Locations to Observe Voltage Sags in Utility Distribution System by *Fatimah Salim and Prof Dr Khalid Mohamed Nor, UTM*
- Paper 15: PQ & Management System (PQMS) at Asian Supply Base Sdn Bhd "Cost Vs Benefit" by *Dr Jim Lim, YBS-ESPstar (M) Sdn Bhd*
- Paper 16: A Novel Method to Identify the Sources of Voltage Sags using SVR Based S-Transform by *Ir Mohamed Fuad Faisal, TNB, and Azah Mohamed and Dr Hussain Shareef, UKM*
- Paper 17: Tuned Filter Trip due to Transformer Energisation by *Dr Harnaak Khalsa, Khalsa Research and Consulting, Australia*
- Paper 18: Monitoring PQ Beyond EN 50160 and IEC 61000 by *Cheong Foo Meng, Power Quality Engineering Sdn Bhd*
- Paper 19: Ring Main Unit (RMU) by *Soh Kim Wat, LKE Electric Sdn Bhd*
- Paper 20: Harmonic Analysis Associated with Installation of Shunt Capacitors by *Norashikin Jamil, Zaharulnain Osrin, Dr Sallehuddin Yusof, Tan Siew Hwa, Hj Ahamd Kamel Aziz*



..... Continue Bowling Tournament



Team event Champion – (right) Mr Liang Kok Boon (TEEAM Sports Chairman) presented trophy and Fuji bath towels to the champion team from Sunway Engineering. (from left) Ms Mar Azian, Mr Norris Borhanuddin, Mr Mohd Sofie Hassan and Mr Ajah Maidien. The team's total pinfall is 3426.



1st runner-up, team event – Winners from Omron Electronics receiving trophy and Fuji bath towels from (extreme right) Mr Liang Kok Boon (TEEAM Sports Chairman). The winners are (from left) Mr Sukri Omar, Mr Gallen Loh, Ms Yong Sim Min and Mr Kim Tjon Tsin.



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Congratulations to Our Bowlers

Men's Singles Event

Champion

Loke Chan Hon
EITA Resources Sdn Bhd
*Chi-Tak Challenge Trophy + Replica +
Omron Automatic Blood Pressure Monitor*

1st Runner-Up

Ajah Maidien
Sunway Engineering Sdn Bhd
*Trophy + Jaya Jusco Cash Voucher of
RM250.00*

2nd Runner-Up

Lau Choong Heng
Systematic Electrical Engineering Sdn Bhd
*Trophy + Jaya Jusco Cash Voucher of
RM200.00*

4th Prize

J S Koh
Lotus Power Corporation (M) Sdn Bhd
Jaya Jusco Cash Voucher of RM150.00

5th Prize

Yeong Yi Hao
EITA Resources Sdn Bhd
Jaya Jusco Cash Voucher of RM120.00

6th Prize

Gallen Loh
Omron Electronics Sdn Bhd
Jaya Jusco Cash Voucher of RM100.00

7th Prize

Chan Hong Keong
Systematic Electrical Engineering Sdn Bhd
Jaya Jusco Cash Voucher of RM80.00

8th Prize

Chen Wei Kent
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9th Prize

Shukri Omar
Omron Electronics Sdn Bhd
Jaya Jusco Cash Voucher of RM60.00

10th Prize

Mohd Sofie Hassan
Sunway Engineering Sdn Bhd
Jaya Jusco Cash Voucher of RM60.00

High Games

Loke Chan Hon
EITA Resources Sdn Bhd
ABB Bath Towel

High Series (Game 1, 2, 3)

Tang Chee Ming
Systematic Electrical Engineering Sdn Bhd
ABB Bath Towel

High Series (Game 4, 5, 6)

Hamili Miseli
Central Cables Berhad
ABB Bath Towel

20th Position

C V Liew
EITA Resources Sdn Bhd
Tractors Umbrella

30th Position

Alex Teh
Success Electronics & Transformer
Manufacturer Sdn Bhd
Tractors Umbrella

40th Position

Salleh Hj Bakri
Straits Design Sdn Bhd
Tractors Umbrella

50th Position

Yap Ching Kiat
Straits Design Sdn Bhd
Tractors Umbrella

60th Position

Mohd Fadzli Yang
Gemilite Sdn Bhd
Tractors Umbrella

70th Position

Mohd Fahmi
Success Electronics & Transformer
Manufacturer Sdn Bhd
Tractors Umbrella

Ladies' Singles Event

Champion

Yong Sim Min
Omron Electronics Sdn Bhd
*Chi-Tak Challenge Trophy + Replica +
Omron Automatic Blood Pressure Monitor*

1st Runner-Up

Alice Cheng Soon Kwong
Seng Electric Co (M) Sdn Bhd
*Trophy + Jaya Jusco Cash Voucher of
RM250.00*

2nd Runner-Up

Mar Azian
Sunway Engineering Sdn Bhd
*Trophy + Jaya Jusco Cash Voucher of
RM200.00*

4th Prize

Rachel Liew
Success Electronics & Transformer
Manufacturer Sdn Bhd
Jaya Jusco Cash Voucher of RM100.00

5th Prize

Janet Siew
Megalux Lightings Sdn Bhd
Jaya Jusco Cash Voucher of RM80.00

High Games

Mar Azian
Sunway Engineering Sdn Bhd
ABB Bath Towel

High Series (Game 1, 2)

Nor Zawiyah Zakaria
Sunway Engineering Sdn Bhd
ABB Bath Towel

High Series (Game 3, 4)

Irish Lim
EITA Resources Sdn Bhd
ABB Bath Towel

10th Position

Che Su Mat
Teknopuri Sdn Bhd
Tractors Umbrella

20th Position

Asmahani Abdul Karim
Straits Design Sdn Bhd
Tractors Umbrella

Team Event

Champion

Ajah Maidien, Mohd Sofie Hassan,
Norris Borhanuddin & Mar Azian
Sunway Engineering Sdn Bhd
Trophy + Fuji Electric Bath Towels

1st Runner-Up

Gallen Loh, Kim Tjon Tsin,
Shukri Omar & Yong Sim Min
Omron Electronics Sdn Bhd
Trophy + Fuji Electric Bath Towels

2nd Runner-Up

Hamili Miseli, Henry Yeo,
Roslie Salleh & Rachel Teh
Central Cables Berhad
Trophy + Fuji Electric Bath Towels

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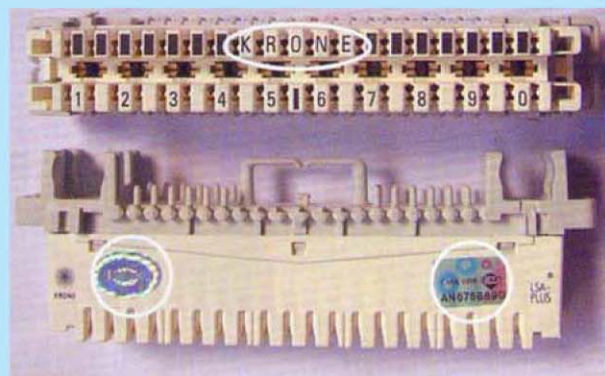
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Visit by KOEMA

On 9th June 2010, Mr Ko Hak-Keun, Executive Vice Chairman and Mr Park Byung-Il, Director of the Korea Electrical Manufacturers Association (KOEMA) visited TEEAM. On hand to receive them were Ir Chew Shee Fuee (Vice President), Mr Suresh Kumar Gorasia (Past President), Engr Leong Kam Seng (Vice President), Mr Ho Khai Hong (Honorary Secretary), Mr Jack Soon Lee Hock (Assistant Honorary Secretary), Ir Chang Yew Cheong (Council Member) and Mr How Chee Seng (Committee Member). KOEMA and TEEAM have established collaboration and exchanged of trade information since 1994.

SIEF 2010, Korea

The KOEMA officials were here in Malaysia with a mission to promote SIEF 2010, the Seoul International Electric Fair. The fair was held from 7th to 9th September 2010 at Korea International Exhibition Centre. SIEF is the leading annual event in Korea for the power generation, transmission and distribution sectors. It attracted over 12,000 visitors and boasted over 200 exhibitors. Incentives in term of hotel accommodation were offered to TEEAM members to visit the fair.

Korea to Save Power through Smart Grid

Information on Korea Smart Grid was also highlighted by KOEMA. In November 2010, world leaders will gather in Seoul for the G20 Summit where the focus is on global smart grid. Korea has unveiled a plan to be the world's first country to convert its electricity network into smart grids that will greatly



Representative from KOEMA – (left) Mr Ko Hak-Keun (Executive Vice Chairman) and Mr Park Byung-Il (Director of Business Promotion Department).



Group photo – (from left) Engr Leong Kam Seng (TEEAM Vice President), Mr Park Byung-Il (KOEMA Director), Mr Ho Khai Hong (TEEAM Honorary Secretary), Mr Ko Hak-Keun (KOEMA Executive Vice Chairman), Ir Chew Shee Fuee (TEEAM Vice President), Mr Suresh Kumar Gorasia (TEEAM Past President), Mr How Chee Seng (TEEAM Committee Member) and Ir Chang Yew Cheong (TEEAM Council Member).



During the meeting – A presentation on SIEF 2010 and the Korean Electrical Industry.

contribute to energy conservation as well as the creation of jobs and new revenue. The high-tech nationwide electricity grid will generate a new market of 68 trillion won (about \$54.5 billion) and create 500,000 new jobs annually, and reduce the country's power consumption by 3 percent by the time it is completed in 2030.

A smart grid delivers electricity from suppliers to consumers using digital technology, enabling the devices to communicate with the utility firms which could save energy, reduce costs and increase reliability. A smart grid network will also give consumers more choices, for example, enabling them to pay different rates for different electricity usage.

The grid, to be set up by 2030, is part of Korea's \$103 billion initiative to increase its generation of green energy from the current 2.4 per cent of total power to 11 per cent in the next two decades. South Korea could lower its greenhouse gas emissions by 40 million tonnes annually with a national smart grid. Korea Electric Power Corporation (KEPCO) plans to set up \$65 million smart grid pilot project in Jeju Island. It would act as a test-bed for the nationwide initiative. The grid will incorporate two 10MW substation transformers and four power distribution lines located near an area with 3,000 households, commercial districts and power generation facilities to test smart grid technologies on real electricity networks.



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