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A publication of **The Electrical and Electronics Association of Malaysia**

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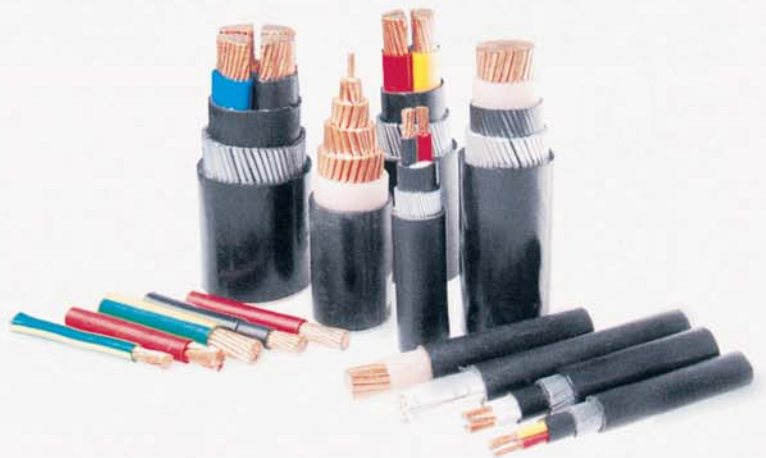


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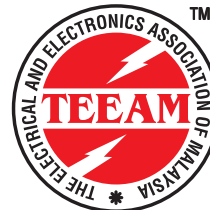
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From The Editor's Desk



The Malaysian Economy has rebounded substantially in the last quarter of 2009 and the forecast of the first quarter of 2010 is also positive. We will be watching closely the government's policy in providing a high income society. Our local manufacturers are expected to be impacted by the liberalisation of trade between ASEAN and China. The world economy on the other hand does not promise a very positive outlook. The US and Europe are still struggling to regain the economic growth amidst a high level of unemployment.

There is a report on the AOTS Energy Efficiency Training in Japan. We are pleased to announce that we will be organising a similar training this year. We like to impress you that the course is made possible by our effort in convincing the Japanese authority that it is useful and beneficial to our Malaysian participants. We do hope you will make full use of the opportunity to take part in the 2010 training. The training period is from 22nd November to 3rd December 2010.

The proposed technical visit to Beijing from 19th to 23rd May 2010 is specially planned for us to view the technical aspects of some iconic buildings. Members will have the opportunity to visit China's iconic buildings to enhance members' knowledge on the latest engineering construction technology in China. Places of interest are the National Stadium, the National Aquatics Centre, Hydro Power Station, CCTV Building and World Trade Centre. It is with great effort of the Secretariat to make the necessary arrangements and we request your strong support in participation.

This issue of SUARA has a number of interesting reports of events, including TEEAM's meetings with the Minister of Energy, Green Technology and Water, TNB Distribution and JKR Electrical Branch.

You will also be able to read the special columns created for the Vice Presidents of the specialised groups of TEEAM. They will provide an up-to-date development in our Engineering Construction & Services, Trading and Manufacturing groups. This is one way we can reach out to many members on current topics of interests.

It is with great sorrow that we announce the demise of the Late Mr Milton Tan from SECA. He passed away on the 5th March 2010 in Singapore. Mr Tan had been a strong supporter and founding member of AFEEC. We shall miss a great man who had dedicated himself fully to SECA and AFEEC. He is a great example for us to follow in the spirit of selfless contribution to both SECA and AFEEC.

Regards,

Ir Chew Shee Fuee
Editor
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Dialogue with JKR Electrical Branch

On 20th January 2010, a dialogue between JKR Electrical Branch and TEEAM was held at the Electrical Engineering Branch, Headquarters of JKR Malaysia in Mid Valley, Kuala Lumpur.

Some fifteen JKR officials from various divisions attended the meeting. The dialogue was chaired by Ir Hj Mohd Fazli Osman (Senior Director of Electrical Engineering Branch). Other JKR officials were Ir Nik Rahimi Nik Mansor (Director of Design Consultant), Ir Dr Mohd Johari Mohd Arif (Director of Specialist Services), Ir Mokhtar Zainal (Chief Electrical Engineer, UPSE), Tn Hj Mohamed Hafiz Mansur (Chief Electrical Engineer, UPAkustik), Tn Hj Nizar Othman (Chief Electrical Engineer, USPM), Ir Shaharudin Othman (Chief Electrical Engineer, UIPT), En Baihaki Azraee (Chief Electrical Engineer, BPR 'B'), Ir Hj Azura Mahayudin (Chief Electrical Engineer, BPR 'C'), Ir Mohd Jahini Mohd Dom (Chief Electrical Engineer, BPR 'D2'), Pn Noor Fadzilah Ramlee (Senior Superintendent Electrical Engineer, BPRE), Ir Sabariah Hussain (Senior Superintendent Electrical Engineer, USPM), Pn Norliza Badaruzaman (Senior Superintendent Electrical Engineer, UPK), Pn Hanifah Abdullah (Senior Superintendent Electrical Engineer, UPKS) and Ir Mohd Shahrman Mohd Yunus (Superintendent Electrical Engineer, KTK).

Led by Engr Fu Wing Hoong (TEEAM President), the TEEAM officials at the dialogue were Ir Steven Ng Khoo Hwa (Deputy President), Ir Chew Shee Fuee (Vice President), Mr Yap Ching Kiat (Vice President), Mr Ho Khai Hong (Honorary Secretary), Mr Lawrence Lai Kun Hoong (Council Member), Mr Chong Yoon Koon (Council Member) and Mr Tan Lin Choong (Committee Member).

Ir Hj Mohd Fazli Osman welcomed the TEEAM delegation to the dialogue. Engr Fu expressed his appreciation to JKR Electrical Branch for hosting the dialogue and for the warm welcome. Both sides then introduced their delegates. The following issues of concern were discussed:

Restricted Use of PVC Conduit

TEEAM seeks clarification from JKR if the department imposes the use of GI Conduit instead of PVC in all concealed wiring except



Representatives from JKR Electrical Branch – Some senior officials at the dialogue.



Representatives from TEEAM – (from left) Engr Fu Wing Hoong (President), Ir Steven Ng Khoo Hwa (Deputy President), Ir Chew Shee Fuee (Vice President), Mr Ho Khai Hong (Honorary Secretary), Mr Chong Yoon Koon (Council Member), Mr Lawrence Lai Kun Hoong (Council Member), Mr Yap Ching Kiat (Vice President) and Mr Tan Lin Choong (Committee Member).

areas near seaside. TEEAM hopes that PVC conduit of approved type (by BOMBA) should be allowed.

Ir Hj Mohd Fazli highlighted that JKR does not prohibit contractors from using PVC conduit on concealed wiring. All electrical wiring installation must be compliant and emphasising on safety requirement to avoid accident in the future. Since JKR is the consultant/implementor for public (government) building any electrical failure in public building will be of great concern to JKR.

He urged contractors and consultants to use either all PVC conduit system or all GI conduit system on electrical wiring installation. There is no objection on this matter (PVC conduit) if there is a certified body that regulates, approves and endorses the installation made conformed to the requirement of safety and the law.

GI Conduit

TEEAM highlighted that GI conduit installed in JKR projects must be in metric size which is based on MS 275 (BS 4568). In fact, contractors do not have any problem on the use of GI conduit since local manufacturers are already manufacturing in metric size. The problem is on the accessories/ fittings which are not in metric size. This would create coupling problem in term of the joint's quality.

The meeting agreed that all consulting engineers must be informed and alerted that accessories/fitting in metric system is required in all projects including projects by the private sector. JKR and TEEAM agreed to bring this matter to ST (Suruhanjaya Tenaga) to ensure that this issue can be seriously taken up and become mandatory standard on national level. JKR and TEEAM encourage the manufacture of accessories/ fittings in metric size.

JKR List of Approval Products

TEEAM highlighted the JKR list of approval products namely "Senarai Barangan yang Diluluskan" (Electrical Material Approved List, EMAL) in JKR website, ie www.ictjkr.gov.my. TEEAM is of the opinion that it should be "Product Registered with JKR" instead of LULUS

because JKR does not have laboratory to test equipment particularly transformer above 415 V.

Ir Hj Mohd Fazli explained that 'LULUS' is an administrative term used for application regardless of testing carried out for the product. It is an expression of approved or unapproved application.

EMAL displays the list of electrical material/products approved by the Material Approval Committee of JKR Electrical Branch. All electrical products registered with JKR are being checked by JKR engineer with third party test certification according to IEC 726 Standard. If the electrical product is following JKR specification, then it will be approved and be listed as "LULUS".

TEEAM highlighted that in the EMAL, transformer is one of the products listed as "non-mandatory". This means the transformer to be used does not necessarily need to follow the list of brands in the EMAL. As long as the transformer complies to quality and meet IEC 726 and JKR Specification, it can be used for any government project.

Ir Hj Mohd Fazli further explained that "Mandatory" term means JKR practices EMAL to conform to Treasury Circular on specific electrical product in order to safeguard the local industry. EMAL facilitates JKR engineer on tender evaluation. The engineer will take responsibility if she/he decides to use

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..... Continue Dialogue with JKR Electrical Branch

certain product which is not listed in the EMAL even though the product complies with certain requirement and standards.

He urges all manufacturers and members of TEEAM to register their products with JKR as a solution to the issue.

JKR Variation of Price (VOP)

TEEAM highlighted to JKR the range of VOP index for cables in the Statistical Report from the Statistics Department. Cables used to describe certain works in the said report have different indexes. TEEAM is of the opinion that the VOP index used should adopt a complete range of cable index as the copper content in each type of cable varies.

JKR responded that the mechanism of VOP is ongoing and is practised by all parties. JKR suggested to let the mechanism to mature for two years before undergoing another improvement. Ir Hj Mohd Fazli requested both parties to give inputs so that the current



Chairman of the dialogue - Ir Hj Mohd Fazli Osman (Senior Director of JKR Electrical Engineering Branch).

VOP practices can be looked into and the issue be brought up to authorised bodies.

TEEAM also highlighted the calculation of VOP in JKR 203N contract for electrical works. In JKR's guidelines, calculation of VOP for cable laid underground can only be done after the cable is laid and actual measurement taken. However there is always a lead-time between contractor purchasing the cable and the time when cable is laid and final measurement taken. As such the above calculation does not reflect accurately the copper price fluctuation.

However, JKR informed that the department only allows for the material to be claimed on site/upon work completion to avoid dispute.

High Power Testing Laboratory

TEEAM highlighted to JKR that the industry is proposing a high power testing laboratory to be funded by government. The industry needs stakeholder like JKR to be involved so that the laboratory serves the needs of all concerned. JKR noted the industry's proposal and concern.

Market Surveillance

TEEAM received regular complaints of non-compliant products being widely sold in the market. TEEAM highlighted to JKR that the association is initiating a task force on market surveillance to provide correct market



Dialogue session – Issues of concern were raised by TEEAM.

information to ST and Ministry of Domestic Trade to help in the enforcement of regulation. It is hoped that through market surveillance, the quality and safety of products will be upgraded.

Power Factor

TEEAM also highlighted to JKR that the industry is trying to improve the national power factor. It is hoped that JKR will support the industry's move towards a more efficient power supply system. JKR welcomed such initiative that is beneficial to the industry.

Conclusion

Ir Hj Mohd Fazli thanked every attendee for their time. He was glad that the dialogue was very open and he welcomes regular dialogue with TEEAM. Such dialogue helps to improve the quality of works and streamline all the requirements of JKR works.

Engr Fu Wing Hoong thanked JKR Electrical Branch for giving TEEAM the opportunity to voice the industry's concerns and he hoped to build a close working relationship with the department.



Innovation in Malaysia

Malaysia is in transition to a new economic model based on innovation, creativity and high value-added activities to lift us into a high income nation within a decade. In the new knowledge economy, quality and efficiency are no longer sufficient for competitiveness. Innovation holds the key to the continuous and sustained competitiveness of a country and new technologies could decide the future competitiveness and growth of a country. Innovation which is the transformation of knowledge into new products, processes and services, involves more than just science. Over the past two decades, technological innovation as part of an overall innovation process has had a profound impact on productivity and competitiveness of nations.

The innovative performance of Malaysia as reported in the Global Innovation Index 2008-2009 published by the Institute of European Administration and Development (INSEAD) was recorded at 25th position among 130 economies with a score of 4.06. In the Asian region, Singapore and Korea were ranked among the top ten most innovative economies with scores of 4.81 and 4.73 respectively. Malaysia needs to put in place more initiatives

to shift our economy to a high income status and be at par with our neighbouring Asian countries.

The importance of R&D to a country's economy is the eventual realisation of new technologies or innovations. Based on the World Competitiveness Yearbook (WCY) 2009 by Institute for Management Development (IMD), Malaysia spent about US\$1,060 million on R&D in 2007 and ranked at 39th position. USA is the biggest spender in R&D amounting to US\$368,799 million followed by Japan (US\$148,397 million) and Germany (US\$83,822 million). Malaysia total R&D expenditure constituted 0.57% of the total GDP.

To further drive the innovativeness of Malaysians, the government has consistently emphasised the importance of technological progress in the country. Various initiatives undertaken include the promotion of R&D through government agencies. Agencies such as the Malaysian Technology Development Corporation (MTDC), Malaysian Industry Government Group for High Technology (MIGHT), the Multimedia Super Corridor and Technology Parks are allocated with

Global Innovation Ranking for Malaysia and Selected Countries

Global Innovation Index 2008/2009 (INSEAD)		
Economy	Rank	Score
Malaysia	25	4.06
Top Performing Countries		
- USA	1	5.28
- Germany	2	4.99
Selected Asian Countries		
- Singapore	5	4.81
- Korea	6	4.73
- Japan	9	4.65
- Hong Kong	12	4.59

funds and grants to be disbursed to parties involved in R&D activities.

The government has also declared year 2010 as the 'Year of Innovation and Creativity'. The launch is a move towards enculturating innovation to enable the community to improve the economy and be more competitive. In addition, the government will be launching a National Innovation Centre (MyNIC) supported by a network of innovation excellence centres with the purpose to advance Malaysia's scientific and technological capabilities.

Source: MITI Weekly Bulletin, Volume 88





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..... Continue Elecrama 2010, India



Visitors from East Malaysia – TEEAM Affiliate Members: (left) Mr Allen T H Liew of WyeDelta and Mr Lee Joon Lee of B D Electrical Trading Sdn Bhd.



Furutec Busduct System – Mr Lee Peng Sian (General Manager of Furutec) at Elecrama to promote busduct system.



Sightseeing – Delegates visiting the terrorist attacked Taj Hotel. (from left) Mr Lee Peng Sian (Furutec), Ir Satkunanathan Subramaniam (KTA Tenaga), Engr Leong Kam Seng (Cahaya Fasa), Mr Tan Eng Liang (TCME), Mr Daniel Chew Kwong Fei (DTS) and Mr Chong Yoke Peng (EITA).



At the fairground – (from left) Mr Andrew Lu Zen Kai (Powerpoint Electrical), Mr Daniel Chew Kwong Fei (DTS), Mr Suresh Kumar Gorasia (AECC), Mr Tan Eng Liang (TCME), Engr Leong Kam Seng (Cahaya Fasa) and Ir Peter Lu Nguang Siong (Powerpoint Electrical).



Ribbon cutting ceremony – Chief Guest, Mr Sushil Kumar Shinde (Honourable Power Minister, Government of India) inaugurating Elecrama 2010. On his right is Mr Murali Venkatraman (IEEMA President) and on his left is Mr Raj Eswaran (Elecrama Organising Chairman).



Delegates at the Gate of India – A famous tourist spot in Bombay.



Building cooperation – Issues of mutual interest were discussed.



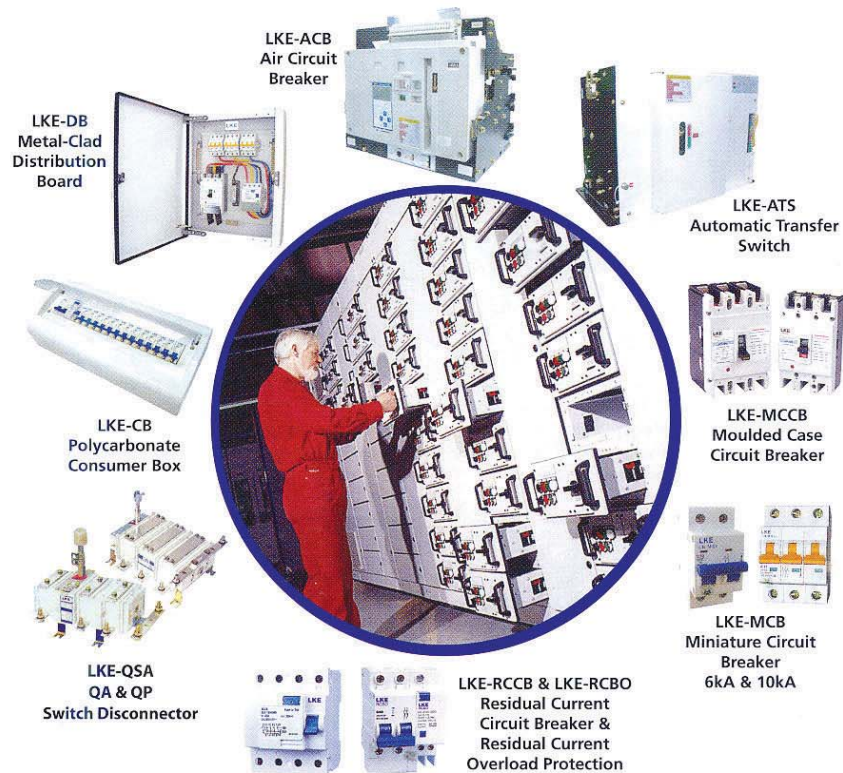
Fruitful meeting – TEEAM and IEEMA Officials posing for a group photo.

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Courtesy Visit to KeTTHA

A 7-member delegation headed by the President Engr Fu Wing Hoong paid a courtesy visit to the Minister of Energy, Green Technology and Water on 24th November 2009. The visit aimed to create close rapport with the Ministry of Energy, Green Technology and Water (KeTTHA). It was also to understand the policy of the ministry with regard to sustainable/alternative energy and to brief the Minister on current issues faced by TEEAM members.

Highlights of the discussion were:

- Green technology is very much emphasised by the ministry and it is a new growth area that TEEAM members could explore. The use of energy efficient equipment is encouraged by the government and the ministry is willing to promote new innovations that promote energy efficiency.

TEEAM highlighted the use of HID lamps that can cut energy cost. TEEAM also appealed to the ministry to carry out enforcement on high watt lost electronic ballast which is widely sold in the market.

TEEAM supports strongly the Green Building Index aimed to promote sustainability in the built environment and

to promote awareness on environmental issues.

- Malaysia is in need of a full fledged electro-technical laboratory. A task force has been set up to work on the proposed high power laboratory which comprised high voltage and high current. Such laboratory is very important to test regulated electrical products locally. Though



KeTTHA Minister – YB Dato' Sri Peter Chin Fah Kui.

SIRIM claimed to have all the testing facilities but short circuit test which is most important with regard to safety is not available.

The Minister noted TEEAM's view and will include the agenda in the Asean Minister energy programme.

- TEEAM highlighted to the Minister that although the government had approved the switch to nominal supply voltage of 230V single phase, 400V 3-

phase system, the industry supply system has still not responded to this new requirement. All new installations continue



Listening attentively – TEEAM highlighting issues of concern to the Minister.

to use the old nominal supply 240/415V. This had caused some confusion to the manufacturers. TEEAM suggests that TNB takes the first step of implementing this policy by enforcing all new installations to be based on nominal supply voltage of 230/400V. The Minister will take the matter up with TNB.

- The well known "lighting issue" was also brought to the Minister's attention. The restriction on the use of lighting products for government projects from only four suppliers has drawn negative response from the industry and has hindered further investment.

The meeting concluded with a note of thanks to the Minister for his time and for giving TEEAM the opportunity to highlight issues of concern.



Group photo – TEEAM Officials posing with the Minister (from left) Mr Siew Choon Thye (Council Member), Ir Chew Shee Fuee (Vice President), Engr Fu Wing Hoong (President), YB Dato' Sri Peter Chin Fah Kui (KeTTHA Minister), Mr Ho Khai Hong (Honorary Secretary), Mr Yap Ching Kiat (Vice President), Engr Leong Kam Seng (Vice President).



KeTTHA Minister and Officials – (from left) YB Dato' Sri Peter Chin Fah Kui (Minister), Ms Loo Took Gee (Deputy Secretary-General, Energy), Mr Nicholas Yii Siew Hua (Principal Private Secretary to the Minister) and Ms Badriyah Bt Hj Abdul Malek (Secretary of Renewable Energy Division).



Badminton Tournament 2010

Next Event

Date: 1st & 8th August 2010
Time: 9:00 am – 6:00 pm
Venue: To be advised

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Dialogue with TNBD

TEEAM had a dialogue with Ir Azman Mohd, the Vice President of Distribution, Tenaga Nasional Berhad (TNB) Distribution on 11th November 2009 at Wisma TNB, Petaling Jaya. TEEAM President, Engr Fu Wing Hoong led a 6-member delegation to the dialogue.

Issues discussed at the dialogue were:

G&H Forms

Contractors are requested to prepare G&H forms (Supervision & Completion Certificate and Test Certificate) in pink and yellow colour respectively. Previously these forms are supplied by TNB and there is no problem of non-standardised coloured forms. TEEAM proposed the use of white form as it is inconvenient to make copies in colour. This is required by TNB Melawati and Kuala Selangor.

Ir Azman confirmed that the G&H forms can be accepted in white to avoid inconvenience and TNB offices will be notified.

Submission of Chargemen/Wiremen Certificate

Contractors find it unnecessary to attach a copy of the chargemen/wiremen certificate for each form submission for the same project. We felt that one copy of the said certificate will be sufficient for the whole project.

TNB agreed that one copy of the said certificate is sufficient for the whole project. In fact, TNB is working with Suruhanjaya Tenaga (ST) to share their competent persons' registration information online. This will allow quick and accurate reference.

E-Application for Electricity Supply

Under the e-application exercise, a contractor who wishes to register in various district offices has to be physically present at these offices to be registered. This is causing inconvenience to the contractors.



Dialogue session – Issues of concern were raised.

TNB responded that the utility is working on the new data system which will allow contractors to register online in all districts. The system will be ready by the first quarter of 2010.

Litigation Declaration

TEEAM highlighted that it is a requirement by TNB that tendering company must submit an affidavit to declare they are free from any form of litigation, failing which the tender will be rejected. TEEAM felt that tendering company should not be denied the opportunity or right to seek redress through legal means against others like debtors owing the company monies for services or products delivered.

The barring will cause additional great loss to the tendering company leaving them with no new business opportunity with TNB. Exception could be that there shall be no current litigation between the tendering company with TNB and not other companies.

TNB clarified that the Distribution does not practise such a requirement in their tender. Perhaps in the Transmission Division, such a requirement is practiced. The reason is to check if the supplier is being sued for product failure by the user. This will be a concern if TNB were to procure similar product.

Local Products with SGP

TEEAM received unfavourable comment from the industry about TNB officials rejecting the use of certain brand of equipment although with valid Sijil Gunapakai (SGP).

This has caused TNB contractors not to purchase equipment from certain manufacturers. This unfair treatment has caused hardship to the local manufacturers.

TNB clarified that this is an isolated case whereby the officer concerned had a bad experience with that particular product. TNB agreed that product having gone through SGP certification is tested safe in the system.

TNB Specification

TEEAM suggested TNB to make its product specification as Malaysian Standard and then make the Malaysian Standard mandatory. In this way there is no necessity to have Sijil Gunapakai.

TNB commented product certification is on design and performance based. While standards are meeting the minimum safety aspect. SGP is comprehensive as the product is put in the system on trial for a certain period.

Nominal Voltage

The current voltage declared by ST is 230 V & 400 V with + 10% -6%. TEEAM hoped that TNB will switch supply to the new voltage. TNB does not foresee any problem on the switching.

Disconnection of Electricity Supply

TEEAM sought clarification on TNB disconnecting supply due to unpaid electricity bill by previous tenant.

TNB confirmed that if the account is not under the owner's name, then he is not liable. Owners are advised to track their tenants' electricity bill. They can register up to three accounts with TNB to track their bills.

Power Factor Correction

TNB informed that the utility will charge commercial consumer and light industry who are using direct 3-phase electronic meter with low power factor. The penalty is as per the tariff.



TNB Vice President (Distribution) – Ir Azman Mohd.



TEEAM representatives - (from left) Mr Jack Soon Lee Hock (Assistant Honorary Secretary), Mr Ho Khai Hong (Honorary Secretary), Engr Leong Kam Seng (Vice President), Mr Yap Ching Kiat (Vice President), Ir Chew Shee Fuee (Vice President) and Engr Fu Wing Hoong (President).





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TEEAM at 13th PES Annual Dinner

On 31st January 2010, the Sabah Electrical Association (PES) celebrated its 13th anniversary. A grand dinner was organised at the Ocean Seafood Village Restaurant, Kota Kinabalu. PES successfully organised 85 tables with the strong support from its members.

The Guest of Honour was YB Datuk Ir Edward Yong Ooi Fah, Assistant Minister of the Ministry of Local Government & Housing, Sabah. The guests also witnessed the 7th installation of PES Office Bearers for the term 2010-2011.

TEEAM was invited to take part in the occasion. TEEAM President, Engr Fu Wing Hoong took the opportunity to organise other Heads of State Associations and TEEAM Exco Members to visit Kota Kinabalu for a networking trip. The State Associations that participated were Penang Electrical Merchants' Association (PEMA), Perak Electrical Association (PEA), Johor Bahru Electrical & Electronic Association (JBEEA), Sarawak Electrical Association (SEA) and

Sandakan Electrical Engineering Association (SEEA).

The PES dinner proved to be a good networking platform for enhancing working relationship and fostering stronger bonds among State Associations and TEEAM. A historical meeting of the Heads of State

Associations and TEEAM Exco Members was also held in Kota Kinabalu. The meeting discussed issues of national interests and TEEAM Exco welcomed inputs from State Associations to make TEEAM more relevant and effective as the voice of the electrical and electronic industry.



At the VVIP table – (from left) Mr Chung Kee Hung (PES Immediate Past President), Engr Fu Wing Hoong (TEEAM President), Mr Woo Soo Poo (PES President), YB Datuk Ir Edward Yong Ooi Fah (Guest of Honour – Assistant Minister of the Ministry of Local Government & Housing, Sabah) and YBhg Datin Mary Wong.



Networking – (from left) Mr Wong Hon Men (PES Past President), Mr Yap Ching Kiat (TEEAM Vice President), Mr Chin Fui Ming (PES 1st Vice President) and Mr Wong Chee Sen (PES 2nd Vice President).



Cheers! – (from left) Mr Wong Chin Cheong (TEEAM Honorary Treasurer), Mr Ho Khai Hong (TEEAM Honorary Secretary), Ir Steven Ng Khoon Hwa (TEEAM Deputy President), Mrs Julie Ng, Mr Leong Kam Meng (JBEEA Chairman), Mr Chan Kaim Sam (PEA Deputy President) and Ir & Mrs Shim Siong Lit (PES Past President).



For the album – (seated from left) Mr Jack Soon Lee Hock (TEEAM Assistant Honorary Secretary), Mrs Alice Soon, Mr Chai Ngan Luke (SEA Deputy Chairman) and Mr Teoh Yew Yean (PEMA President). (standing from left) Mr Francis Chew Joon Fah (SEA Honorary Secretary) and Mr & Mrs Woo Soo Poo (PES President).



Fostering fellowship – (far left) Mr Woo Soo Poo (PES President) hosted a dinner at Promenade Hotel to welcome guests from TEEAM. On his left are Mr Chung Kee Hung (PES Immediate Past President), Engr Fu Wing Hoong (TEEAM President), Mr Yap Ching Kiat (TEEAM Vice President) and Mr Lai Tet Vui (PES Treasurer).



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..... Continue TEEAM at 13th PES Annual Dinner



Congratulations! – (left) Engr Fu Wing Hoong (TEEAM President) presenting a memento to Mr Woo Soo Poo (PES President).



Pretty ladies – (from left) Datin Mary Wong, Mrs Woo Soo Poo and Mrs Chung Kee Hung.



Roar! roar! – Lion dance to usher good luck.



Handsome guys! – (from left) Mr Ricky Lim Lip Kee (SEEA President), Mr Woo Soo Poo (PES President), Datuk Pang Ah Foh (PES Member) and Engr Fu Wing Hoong (TEEAM President).



Historical meeting – TEEAM Exco Members' meeting with Heads of State Associations.



Golf at SGCC – Golfers posing at Sabah Golf & Country Club (SGCC) club house.



Leisure time – TEEAM Exco Members and Heads of State Associations together with PES Officials taking a boat trip to Manukan Island.



For the album – Group photo at Promenade Hotel lobby.



Exciting outing – Group photo at the Sutera Harbour.

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Council Meeting in Penang

The fourth TEEAM Council Meeting for the year 2009-2011 was held in Penang for the third time. The objective of having Council Meeting in other states is to foster fellowship with State Associations. A 26-member delegation comprising Council Members, spouses and Secretariat staff chartered a coach to Penang on 13th November 2009. Some drove to Penang on their own.

Technical Visit to OSRAM

Council Members had the opportunity to visit OSRAM LED plant in Bayan Lepas. Dr Udo Streller and Mr Lim Kheng Siang of OSRAM Opto Semiconductors gave first hand information on LED (Light-Emitting Diode) production. LED technology is an upcoming trend.

Golf

Members of Penang Electrical Merchants' Association (PEMA) accompanied some TEEAM Council Members for a round of golf at Bukit Jambul Golf Club.

Networking Dinner

In the evening, all were treated to a sumptuous networking dinner at Maple Gold Palace Restaurant near Gurney Drive. It was a nite to renew acquaintance, foster fellowship and exchange information.

Council Meeting

On the next day, 14th November 2009, Council Members checked out from Sunway Georgetown Hotel and arrived at PEMA

premises at 9.30 am to convene the Council Meeting. PEMA Officials who attended were Ir Chong Yew Lam, Mr Lee Boon Hoe, Mr Choo Kwang Wah and Mr Tang Keem Hoong.

The meeting adjourned at 12.30 pm and everyone proceeded to Everyday Restaurant at Red Rock Hotel for lunch which was hosted by PEMA. Thereafter the delegation returned to Kuala Lumpur.

Thank you

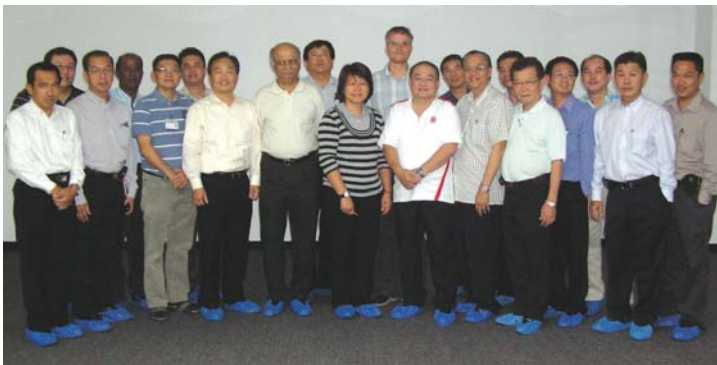
TEEAM President, Engr Fu Wing Hoong expressed his gratitude to PEMA for all the arrangements. Their warm hospitality touched our hearts. It was a great networking trip.



For the album – Group photo taken at Bukit Jambul Golf Club.



At PEMA – TEEAM Council Meeting in progress.



For remembrance – Group photo at OSRAM Opto Semiconductors.



Thank you – (from left) Engr Fu Wing Hoong (TEEAM President) presenting a souvenir to Ir Chong Yew Lam (PEMA Honorary Secretary) in appreciation of their warm hospitality. Looking on are (3rd from left) Mr Lee Boon Hoe (PEMA Past President) and Mr Tang Keem Hoong (PEMA Council Member).



At OSRAM – Council Members getting first hand information on LED production.



LED lighting – The current trend in lighting.



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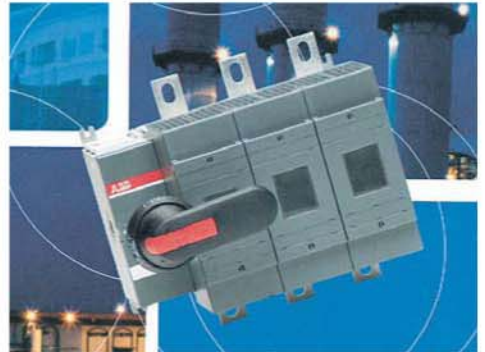
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AOTS Training in Japan

A 2-week training programme on "Management & Implementation of Energy Efficiency & Renewable Energy for Malaysia" was once again jointly organised by the Association for Overseas Technical Scholarship (AOTS), Japan and TEEAM from 9th to 20th November 2009 at AOTS Yokohama Kenshu Centre (YKC), Yokohama, Japan.

AOTS Japan is a non-profit association that runs with Japanese government subsidies from the Ministry of Economy, Trade and Industry (METI). The programme was aimed to enhance the competitiveness of the manufacturing industry in Malaysia by introducing know-how for the promotion of energy efficiency in factories.

The programme covered the following lectures:

- Current situation of energy saving activities in Japan (by Mr Kazuo Aizaki, General Manager, Ai Engineer Office)
- Power management & electrical facilities (by Dr Shunji Ichida, Doctor of Engineering, Engineer Electric)
- Thermal technology (by Mr Masatoshi Kakegawa)
- Lighting & air conditioning (Mr Takashi Suzuki, Representative Director, Suzuki Technical Consulting Ltd)
- Current situation and utilisation of new energies (Mr Shotaro Okano, Executive Engineer, the Office of Professional Engineer)

- Energy saving diagnosis (by Mr Kazuo Aizaki, General Manager, Ai Engineer Office)

Some sixteen trainees were selected from sixteen companies, namely Avefume Consultant, Cement Industries of Malaysia Berhad, CQ-Tec Sdn Bhd, Dipsol (M) Sdn Bhd, EITA Technologies (M) Sdn Bhd, Five H Associates Sdn Bhd, Kejuruteraan Elektrik Usahamaju Sdn Bhd, Kejuruteraan Letrik Evershine Sdn Bhd, Megalux Lightings Sdn Bhd, Negeri Sembilan Cement Industries Sdn Bhd, Novabrite Lighting Sdn Bhd, PKV Consulting Engineers Sdn Bhd, Selia-Tek Industries Sdn Bhd, Sg Harmoni Sdn Bhd, Furutek Electrical Sdn Bhd and KPH Property Management Services Sdn Bhd.

The trainees had the opportunity to visit the following Japanese buildings and plants:

- TEPCO Thermal Storage System Technical Centre
- Hiroshima Plant, ELPIDA Memory, Inc
- Campo Recycle Plaza
- Panasonic Centre Tokyo

Case studies were conducted on energy saving improvements.



Thank you – (Centre) Trainee, Mr Siew Choon Thye (TEEAM Council Member) presenting a token of appreciation to Mr Hiroyuki Yoneda (General Manager of AOTS YKC). Looking on is His Excellency Dato' Shaharuddin Md Som (Malaysian Ambassador to Japan).

The programme was very informative and beneficial to the trainees as they were acquainted with effective approaches and managerial techniques to promote energy efficiency with in-dept understanding of environmental management.

The next training programme is scheduled from 22nd November to 3rd December 2010. Members who are interested to participate are kindly requested to contact the TEEAM Secretariat for registration and detailed information.

A special note of thanks to trainee, Mr Siew Choon Thye of Megalux Lightings for contributing some notes and photos for this article. Our appreciation also goes to trainee, Mr Tan Kang Chu of Avefume Consultant for the photo contribution.



At the Panasonic Centre – Trainees were exposed to future technologies.



For remembrance – Group photo taken after a classroom lecture.



Exciting – Trainees ready for lecture.



Engrossed in discussion – (from left) Trainees, Mr Siew Choon Thye (Megalux Lightings), Mr Narendren Rengasamy (Novabrite) and Mr Eddie Shak Sun Fatt (EITA Technologies) finalising a presentation paper.



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..... Continue AOTS Training in Japan



Thank you – (right) Trainee, Mr Siew Choon Thye (TEEAM Council Member) presenting a souvenir to a Japanese lecturer as a token of appreciation.



Congratulations – (right) Mr Eddie Shak Sun Fatt receiving a certificate from Mr Hiroyuki Yoneda (General Manager of AOTS YKC).



Delicious - Trainees savouring hot meals at the cafeteria of AOTS YKC.



Group photo – Trainees posing with AOTS Officials after the opening ceremony.



Visit to Campo Recycle Plaza – At the plaza, trainees learned how the Japanese recycle waste.



For the album – Group photo at Narita airport.



Visit to ELPIDA plant – A good learning trip.



Sightseeing – Trainees took time off to visit the famous Kamakura. They were joined by trainees from other countries.



Impressive – A high-speed train of Japan's rail transport network.



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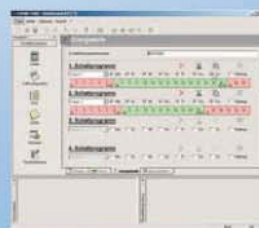
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Courtesy Visit by Ghana High Commissioner

On 10th March 2010, the High Commissioner of the Republic of Ghana to Malaysia, His Excellency Mr Daniel Kwasi Abodakpi paid a courtesy visit to TEEAM. His Excellency was accompanied by Mr Muhammed Fuseini Inusah (Deputy Head of Mission) and Mr F M Brown (First Secretary/Consular).

On hand to receive the guests to TEEAM were Engr Leong Kam Seng (Vice President), Mr Ho Khai Hong (Honorary Secretary), Mr Jack Soon Lee Hock (Assistant Honorary Secretary) and Mr Charles Lee Wai Chiew (Council Member). The aim of the visit was to exchange views on possible areas of cooperation to further enhance trade and investment relations between Ghana and Malaysia.

Discussion was focused on Ghana's business environment, free zone programme, investment climate and promotion programme, export services and its development projects. His Excellency Mr Abodakpi gave a briefing to TEEAM Officials. Ghana is located in West Africa. It is bordered on the north by Burkina Faso, on the West by Cote D'Ivoire, on the East by Togo and on the south by the Gulf of Guinea.

Ghana Free Zone Programme

Ghana has a Free Zone Board which was set up by an Act of Parliament – Free Zone Act 504 (1995) to promote, facilitate, monitor and regulate investments under the free zones scheme.

The Ghana Free Zone Programme is a government supported programme which is fully driven by the private sector with the government providing the legal and policy

framework and physical infrastructure. The aim of the programme is to promote the processing and manufacturing of goods in Ghana for export to West Africa and the world at large through the establishment of Export Processing Zones (EPZs) and Industrial Parks.

Focus is also placed on the development of commercial and services activities at sea and air ports in Ghana. The whole of Ghana is accessible to potential investors who have the opportunity to use the free zones as focal points to produce goods and services for foreign markets. Investors can obtain free zone status for their business either as single factory enterprises or within one of Ghana's designated export processing zones. The programme is the perfect example of the power of partnership, combining investors' business acumen and the technical expertise of their professional team. In setting up a successful business, local support and market knowledge are essential, as well as excellent infrastructure, ease of procedure and attractive incentives.

Investment Climate

Ghana is strategically located in West Africa. Its location coupled with the relative stability that the country has enjoyed over the past years marks Ghana a gateway for regional trade and investment into the West African sub region. The economy of Ghana has



Thank you – (4th from left) Engr Leong Kam Seng (TEEAM Vice President) receiving an information kit from (3rd from left) His Excellency Mr Daniel Kwasi Abodakpi (High Commissioner of the Republic of Ghana to Malaysia).

experienced a steady and positive growth as a result of policy reforms. This has led to improved macroeconomic performance and created a conducive environment for business. These reforms have been characterised by a reduction in inflation, fairly stable exchange rates, relatively low interest rates and economic growth.

Procedure for Investing in Ghana

Free zone investors do not require any minimum capital investment. However, investors must indicate their ability to fulfil the minimum 70% export requirement. New investors are required to go through the following steps to obtain a free zone licence:

- Incorporate a company in Ghana with the Registrar-General's Department and obtain certificates of incorporation and commencement of business;



Representatives from High Commission of Ghana in Malaysia – (from left) Mr Muhammed Fuseini Inusah (Deputy Head of Mission), His Excellency Mr Daniel Kwasi Abodakpi (High Commissioner) and Mr F M Brown (First Secretary/Consular).



TEEAM Officials – (from left) Mr Charles Lee Wai Chiew (Council Member), Mr Ho Khai Hong (Honorary Secretary), Engr Leong Kam Seng (Vice President) and Mr Jack Soon Lee Hock (Assistant Honorary Secretary).



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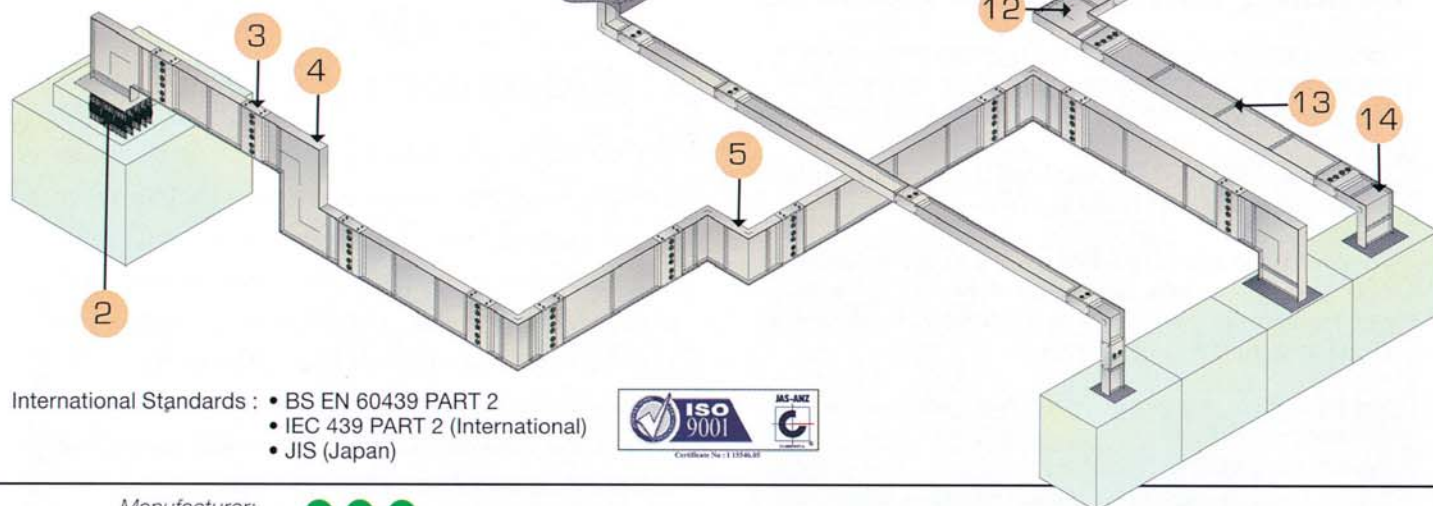
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Bus Duct Installation Layout

- | | |
|---------------------------|-----------------------|
| 1. Flanged End Plate | 9. Reducer |
| 2. Flexible Coupling | 10. End Closer |
| 3. Joint Cover | 11. Combination Elbow |
| 4. Vertical Offset | 12. Vertical Elbow |
| 5. Horizontal Offset | 13. Feeder |
| 6. Vertical Rigid Hanger | 14. Horizontal Elbow |
| 7. Plug In Unit | 15. Flanged End |
| 8. Vertical Spring Hanger | |



International Standards : • BS EN 60439 PART 2
• IEC 439 PART 2 (International)
• JIS (Japan)



Manufacturer:



MULTI-B SDN BHD (184908-7)

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Tel: 603-60281818 Fax: 603-60284899

Email: enq@multib.com.my / technical@multib.com.my Website: www.transliteinc.com

..... Continue Courtesy Visit by Ghana High Commissioner



Map of Ghana – The Republic of Ghana is located in West Africa. Ghana is the second largest producer of cocoa in the world and is also home to Lake Volta, the largest artificial lake in the world.

• Obtain and complete the Ghana Free Zone Board (GFZB) application form and submit together with the following documents:

- Business plan
- Copy of Certificate of incorporation
- Copy of Certificate to commence business
- Copy of Companies code
- Evidence of possession or lease of real property or intent to acquire such property
- Environmental protection agency permit
- Evidence of funding/capital transfer
- Any other relevant document;

• The GFZB will notify investors of the status of their application within 28 working days of receipt of application;

• A licence specifying authorised activity to be undertaken (ie developer, manufacturer, commercial or service industry) by applicant shall be issued to the successful applicant. The investor is required to start operations within six months of receiving approval to operate as a free zone enterprise/ developer.

- Agro-food processing
- Seafood processing
- Jewellery/handicraft production
- Textile/apparel manufacturing
- Information and communication technology (ICT)
- Metal/hand tool fabrication
- Floriculture
- Light industry/assembling plant
- Ceramic tiles manufacturing
- Pharmaceuticals
- Ethnic beauty products

Development of Export Processing Zone (EPZ)

Investors can obtain free zone status for their business either as single factory enterprises or within one of Ghana's designated Export Processing Zones:

- Tema Export Processing Zone
- Ashanti Export Processing Zone
- Sekondi Export Processing Zone
- Shama Export Processing Zone

For more information about Ghana free trade zones, please log on to www.gfzb.com.gh or log on to the website of Ghana High Commission in Malaysia at www.ghanacomkl.org.my for detailed information on Ghana.

Priority Sectors

The following priority sectors have been identified by the board based on the comparative advantages of the country:

Heartiest Congratulations



Mr Chong Hong Wah – (right) Managing Director of Multi-B Sdn Bhd receiving the award from YB Dato' Mukhriz Tun Mahathir (Deputy Minister of International Trade and Industry, Malaysia).

to our Member

Multi-B Sdn Bhd

on your outstanding achievement

as the top winner of

Enterprise 50 Award 2009

on 13th November 2009



The award is in recognition of the company's two decades of dynamic entrepreneurship, innovative technology and 1Malaysia team spirit.

It is organised by the SME Corp Malaysia and Deloitte Malaysia.

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