

Meeting with World Bank

On 26th August 2009, TEEAM received a visit from the World Bank. The delegates were Ms Annette Dixon (Country Director of World Bank, designated in Bangkok, Thailand), Mr Mathew Verghis (Lead Economist South East Asia) and Mr Philip Schellekens (Senior Economist).

TEEAM Officials present to receive them were Ir Steven Ng Khoon Hwa (Deputy President), Mr Yap Ching Kiat (Vice President), Engr Leong Kam Seng (Vice President), Mr Ho Khai Hong (Honorary Secretary) and Mr Suresh Kumar Gorasia (Past President).

The visitors aimed to collect information from trade associations for their case study related to global supply chains, and how the companies and supply network contribute to the economic crisis, consideration to be taken to benefit from the post crisis situation and how the government can upgrade the economy in the value chain.

The economies of Malaysia and Thailand have been strongly affected by the global economic and financial crisis. The importance of the tradables sectors in these economies meant that the plummeting of global demand produced a significant contraction in aggregate economic activity. What started off as a trade and manufacturing-led slowdown quickly became a broad-based recession with the crisis spreading from tradables to non-tradables, from manufacturing to services, and from external to domestic demand.

A feature common to the tradable sectors of Malaysia and Thailand is the significant role of Japanese multinational corporations (MNCs) in foreign direct investment,

manufacturing output and employment. The drop in external demand for Japanese cars and electronics in particular required adjustments which reverberated through the economies of Malaysia and Thailand. Following this initial impact, supporting industries in the manufacturing and services sectors, many of which being small and medium-sized enterprises (SMEs) were forced to adjust activity as well.

Malaysia and Thailand also share the common aspiration to leverage on their respective competitive advantages in the tradables sector in moving the economy up the value chain.

The case study aimed to understand how an important part of the corporate sector in Malaysia and Thailand (namely, large Japanese MNCs) has adjusted to the economic crisis and is planning for an eventual economic recovery, given the new post-crisis economic

outlook. The focus will be not only on the companies themselves but also on their supply chains which includes the local SME sector.

TEEAM Officials shared their views and provided insights into how the Malaysian SMEs adapt to the global economic and financial crisis. It was a fruitful meeting with the guests from World Bank.



Engrossed in discussion – TEEAM Officials meeting representatives from World Bank.



Representatives from World Bank – (from left) Ms Annette Dixon (Country Director of World Bank, designated in Bangkok, Thailand), Mr Mathew Verghis (Lead Economist South East Asia) and Mr Philip Schellekens (Senior Economist).

Golf Tournament 2010



Date: 8th July 2010
Time: 1.00pm
Venue: Staffield Country Resort,
Mantin, Negeri Sembilan

Registration: Contact TEEAM Secretariat
Tel: +603-9221 4417, 9221 2091
Fax: +603-9221 8212
E-mail: teeam@streamyx.com / teeam52@gmail.com /
teeam@po.jaring.my
Website: www.teeam.com

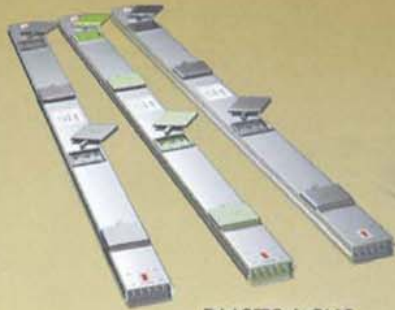
Coming
Soon



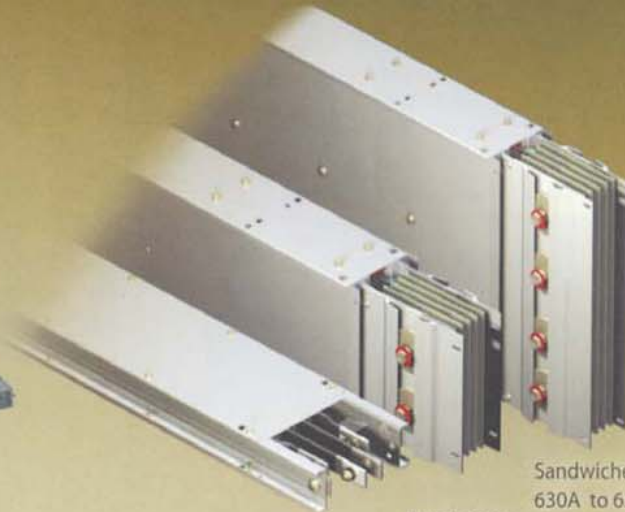
DAVIS®

Always Ahead™

EFFICIENT POWER DISTRIBUTION & CABLE MANAGEMENT SYSTEMS



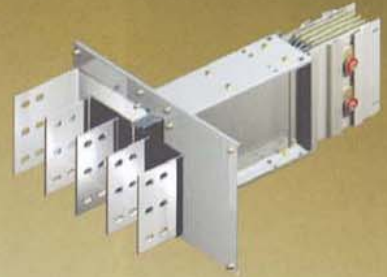
BUSTRACKS
63A



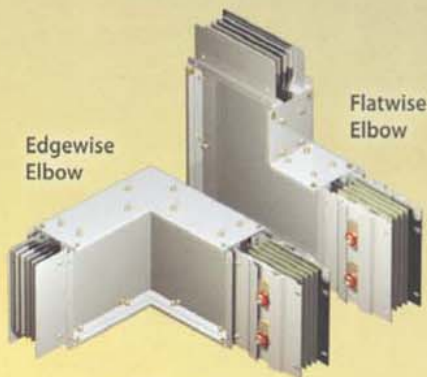
Compact type
100A to 800A

FEEDERS

Sandwiched type
630A to 6300A



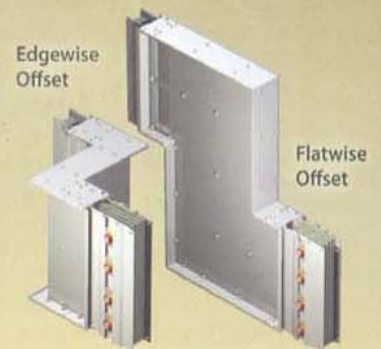
FLANGE END



ELBOWS



PLUG-IN BOXES



OFFSETS



Modular Flushfloor Trunking System



Heavy Duty Underfloor Trunking System



Raised Floor Trunking System



BS IEC CE

DAVIS MALAYSIA SDN. BHD. (336731-A) Lot 526, Jalan Rantau Panjang, Batu 11, 42500 Teluk Panglima Garang, Kuala Langat, Selangor, Malaysia. Tel: +60 3 3122 2488 Fax: +60 3 3122 2482 Email: davis95@streamyx.com Website: www.davis.com.my

Fellowship Gathering

Some 53 members and guests attended the TEEAM Fellowship Gathering on 6th March 2010 at TEEAM. It was a nite to foster fellowship and to network among members. The event also aimed to encourage guests to join as members.

Organised by the Membership Recruitment Sub-Committee, beer was free-flowing while the members and guests were enjoying karaoke singing and savouring "satay".



Overwhelming – The gathering attracted 53 members and guests.



Cheers – (from left) Ir Chang Yew Cheong, Mr Lewis Chong, Mr Shawn Lim, Mr Chong Yoon Koon, Mr How Chee Seng, Captain Shee Chee Wah, Mrs Mary She and Mr Ho Khai Hong.



TEEAM Officials proposing a toast – (from left) Mr Jack Soon Lee Hock (Assistant Honorary Secretary); Council Members: Mr Charles Lee Wai Chiew, Ir Chang Yew Cheong, & Mr William Young Chee Keong; Engr Leong Kam Seng (Vice President), Ir Yong Ah Huat (Council Member), Mr Fong Mun Loon (Council Member), Mr How Chee Seng (Committee Member) and Mr Ho Khai Hong (Honorary Secretary).



Building friendship – (from left) Mrs Margaret Hew, Mr Fong Mun Loon, Mr Jack Soon Lee Hock, Mr Sunny Hew, Mr K Subramaniam, Captain Shee Chee Wah, Mrs Mary She and Mr Franky Ho.



Networking with Press member – (from left) Ir Yong Ah Huat (Council Member), Mr Ho Khai Hong (Honorary Secretary), Mr Y Y Lee (Sin Chew Press) and Mr Chong Yoon Koon (Council Member).



Welcome – (right) Mr Jack Soon Lee Hock (TEEAM Assistant Honorary Secretary) introducing the Membership Recruitment Sub-Committee Chairman, Ir Chang Yew Cheong to the members and guests.

Karaoke Singing:



Mr Franky Ho of Fujitec (Malaysia).



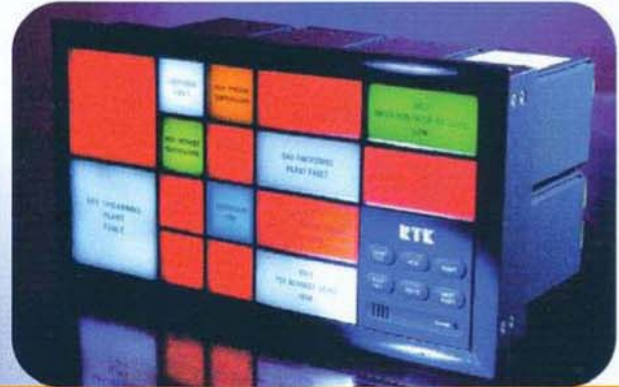
Mrs Alice Soon and Mr William Young Chee Keong.



Three musketeers, Mrs Margaret Hew, Mrs Mary She and Mrs Angie Ho.



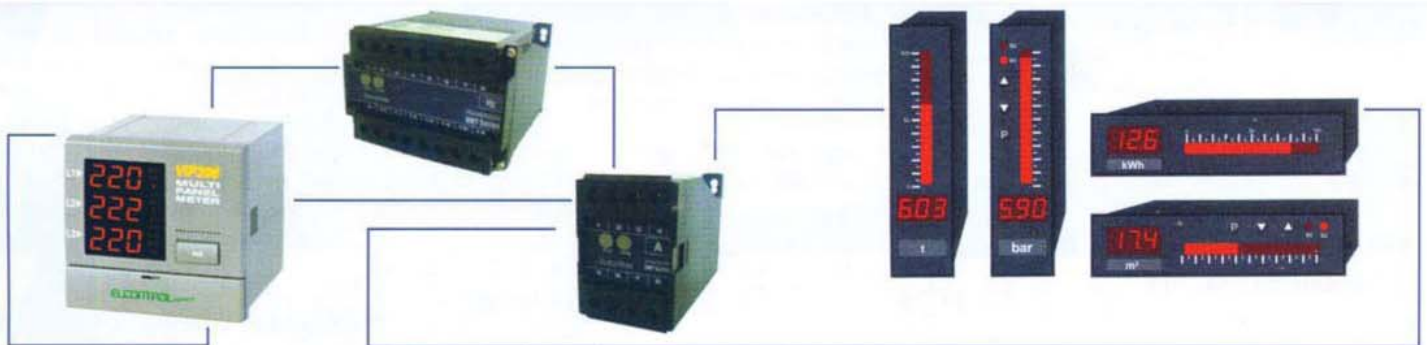
Your Electrical Instruments Partners



Synergy Instrumentation Sdn. Bhd. offers a comprehensive package of excellent consultancy, support service and state of the art electrical components to cater for all your electrical needs.

- Electrical Measuring Instruments
- Electrical Network Analyzers
- Process Controllers and Displays
- Portable Measuring Instruments and Testers
- Power Supply and AC/DC Converters
- Alarm Annunciators
- Other Switchgear Component

Our highly skilled professional staff have years of extensive experience in the field and are ready to provide speedy response to any query and requirements set by our clients.



We have establish a strategic relationship with various world renowned brands such as :



- D-Master Multifunctional Power Meter, Power Transducer, Analogue/Digital Panel Meters, Signal Isolators/Transmitters



- Lon-Works Protocol Power Meters



- Digital / Bargraph Panel Meters



- Temperature & Motor Load Controller/Relays



- Alarm Annunciators



- Fault Indicators/Flat Relays



- LED Semaphore Indicators



- Power Quality Analysers, Utility Grade Power Meters



- Marine Panel Meters, Power Transducer, Multifunctional Power Meters, Mechanical & Static Energy Meters



- Electrical Multifunctional Analysers



- Metasys N2 Protocol - Three-Phase Network Analysers



SYNERGY INSTRUMENTATION SDN BHD

[Co. No. 562933-P]

No. 38, Jalan Tambur 33/19, Seksyen 33, Shah Alam Technology Park, 40400 Shah Alam, Selangor, Malaysia.

Tel: +603-5124 7730 Fax: +603-5124 7103

E-mail: sales@synergy-inst.com

www.synergy-inst.com

TEEAM Specialised Group – Engineering Construction & Services

By the Chairman, Ir Chew Shee Fuee.

The manufacturing sector has seen some noticeable recovery over the last quarter of 2009 and the first quarter of 2010. Some are expanding their manufacturing capacity. On the other hand the liberalisation of trade for ASEAN and China is expected to impact on our SMEs in terms of their competitive edge. Construction is expected to have positive growth but we also recognise the fact that government funded projects may be affected drastically due to cuts in financing.

We still intend to organise training in Energy Efficiency (EE) with The Association for Overseas Technical Scholarship (AOTS), Japan but this is more challenging than last year because the Japanese government also intends to cut their expenditure on this kind of international training. We are pleased to announce that the programme had been recently approved. The training dates are 22nd November 2010 to 3rd December 2010. We strongly encourage your participation and we hope we can take up all the 25 places this year.

Since the requirement for Energy Manager has been mandatory for installations, the Energy Commission has posted the newly approved and qualified Energy Managers on their websites. The Energy Commission has also written to many companies advising them to appoint their Energy Managers. It is therefore your opportunity to advise your clients on compliance of the energy requirements.

We have made our courtesy visits to TNB Vice President for Distribution and the JKR Director for Electrical Branch. We are glad to report that the visits had been good and beneficial to all. We hope to maintain this line of communication and improve the quality of our service to the industry.

Our CIDB Wiring Installer Course for 2010 has begun on 1st March 2010. However we anticipate some cuts from CIDB and we are not

sure how many classes we can provide this year. In the meantime we believe some young people will take part in the course so that we can promote the opportunity to work in our industry.

A proposal on a Course of Tender Estimation has been made and we are now awaiting response on the potential trainers as well as trainees.



Ir Chew Shee Fuee

We are still awaiting response to our Technical Visit to Iconic Buildings in Beijing. The visit will take place from 19th to 23rd May 2010. We hope to have good response from our members so that the visit can be successfully organised. It will be an opportunity to view the inside of these famous buildings and also the historical sites of Beijing. Your strong support in participation is anticipated.

TEEAM is proposing to raise the requirement on Power Factor (PF) from 0.85 to 0.90. The reason is to promote efficiency in electrical distribution. Better PF promotes efficient use of electrical energy. We hope that manufacturers will take this as a good opportunity to promote their products in terms of quality and affordability. The market needs capacitors that have a longer service life. We understand that there are many factors that can reduce the life of capacitors. Therefore the provision of filters will become a necessity in due course.

The government is intending to reduce the subsidy on fuel and gas. This will directly impact on the electricity tariff. The current oil price is steady but it is still moving steadily upward. Therefore the matter of energy efficiency will be of prime importance again.



Courtesy Visit to ABB

The TEEAM Sports Committee paid a courtesy visit to ABB Malaysia Sdn Bhd on 23rd March 2010 in Subang Jaya, Selangor. They were Mr Jack Soon Lee Hock, Mr Fong Mun Loon, Mr Liew Yew Choy and Mr Wai Kok Chin.

The courtesy visit aimed to promote TEEAM's sports activities to ABB's management and staff. On hand to receive the TEEAM Sports Committee were Mr Thomas Philip Jacob (ABB Engineer, Process Automation Division), Ms Nirmala Devi (ABB Senior Manager, Corporate Communications) and Mr Dennis Chia (ABB Human Resource Manager).

The annual sports events organised for TEEAM members are bowling, golf, badminton and jogathon. TEEAM hoped to organise futsal, table tennis and carom competition in the near future.

The Sports Committee also took the opportunity to highlight to ABB on the various activities that the company could participate. They are product seminar, academic excellence awards, Suara TEEAM advertisement, 58th anniversary dinner sponsorship, dialogue with authorities and many more.

It was a fruitful visit as TEEAM gets to build close relationship with members.



Fruitful visit – (from left) Mr Thomas Philip Jacob (ABB Engineer, Process Automation Division); TEEAM Sports Committee Members: Mr Fong Mun Loon, Mr Jack Soon Lee Hock and Mr Liew Yew Choy; Mr Dennis Chia (ABB Human Resource Manager), Ms Nirmala Devi (ABB Senior Manager, Corporate Communications) and Mr Wai Kok Chin (TEEAM Sports Committee Member).



HYGROCLIP2

Innovation in Humidity and Temperature Measurement.



... and equipped it with the revolutionary AirChip3000.

When it comes to measuring humidity with the highest accuracy, the HygroClip2 series of probes is in a class of its own and, thanks to the latest AirChip technology, able to think actively.

The AirChip3000:

- Compensates humidity and temperature over 30,000 reference points
- Performance and Reliability (<0.8 %rh / 0.1 K)
- 2,000 data point memory
- Dew/frost point calculation
- Sensor auto-diagnostics and automatic correction
- Active alarming and information and ASIC (Application Specific Integrated Circuit) micro-controller and EEPROM on one chip
- The latest in filter technology provides a high level of protection and maintains the optimum measurement environment for the Hygrometer humidity and Pt100 temperature sensors
- Maximum flexibility because of the UART interface and user scalable analog outputs allow the probe to be used as a stand-alone device

The HygroClip2 – the best choice for every application. In addition to individual probes, the HygroClip2 product family includes hand-held instruments, transmitters, data loggers and custom designed products, all based on cutting-edge AirChip3000 digital technology. Maintenance in the field is easy; the HygroClip2 probes can be interchanged within a matter of seconds without the need for system recalibration. We will gladly advise you which specific model to use to achieve the best possible results in your application.



Hand-held instruments



Transmitters



Data loggers



Meteorological probes



Custom designs for OEM applications



Contact: C. H. Lim - H/P: 012 3027341 Email: chlim@dpstar.com.my
C. W. Lim - H/P: 012 3826891 Email: cwlim@dpstar.com.my
C. F. Lew - H/P: 012 2951393 Email: cflw@dpstar.com.my



dpstar Thermo Control Electric Sdn Bhd (387517-A)
(Member of dpstar Group of Companies)

No. 40, Jalan 10/116B, Kuchai Entrepreneurs' Park, Jalan Kuchai Lama, 58200 Kuala Lumpur, Malaysia.
Tel: +603 7980 6336 Fax: +603 7983 8822 Website: www.dpstar.com.my

www.dpstar.com.my

Badminton Tournament 2009

TEEAM organised a badminton tournament for its members and their employees to vie for the championship on 13th & 20th December 2009 at Michael's Badminton Academy (MBA), Puchong. Thirty-two pairs of men's doubles, 3 pairs of mixed doubles and fifteen men's singles participated in the tournament. There were exhibition matches from three pairs of mixed doubles.

Mr Liang Kok Boon, TEEAM Sports Chairman thanked all umpires, lines men and Committee members for contributing to the success of the tournament. Heartfelt thanks were also extended to the generous sponsors, EITA Resources Sdn Bhd, Omron Electronics Sdn Bhd and SP Multitech Sdn Bhd. The results are listed on page 41.



Cheese! – All finalists, umpires and TEEAM Officials in SP Multitech sponsored T-shirts.



All smiles – Winners and TEEAM Officials posing a group photo after the prize presentation.



Men's doubles – Players in action.



Final Men's singles players – (left) Mr Tan Kam Foo (Individual), (right) Mr Au Kah Keong (Lee Hoe Electrical & Trading) posing with official umpire.



Vying for champion – (from left) Mr Ang Kien Aik and Mr Ang Ban Kah (SP Multitech) against Mr Mohd Sofie Hassan and Mr Firmansyah Julius Syafri (Sunway Engineering). Centre is official umpire.



Mixed doubles players - (from left) Mr Gallen Y H Loh and Ms Yong Sim Min (Omron Electronics) against Ms Tean Mei See and Mr Lew Chee Keong (Enflex Dynamics).



Men's doubles champion – (left) Mr Ang Kien Aik and Mr Ang Ban Kah (SP Multitech) receiving Jaya Jusco cash vouchers and trophies from (centre) Ir Steven Ng Khoon Hwa (TEEAM Deputy President). The scores were 12-21, 21-12 and 21-17.



Men's singles champion – (left) Mr Au Kah Keong (Lee Hoe Electrical & Trading) receiving Omron blood pressure monitor and trophy from Ir Steven Ng Khoon Hwa (TEEAM Deputy President). He scored 21-16 and 22-20 over Mr Tan Kam Foo (Individual).

PROLITE™

Your trusted name in lighting



- Floodlights
- High Bay & Low Bay
- Tennis Court Fittings
- Down Light
- Street Lantern
- HID Lamps
- Capacitors

EURO ELECTRICAL SDN BHD

(160527-T)

No. 3, Jalan 20/16, Paramount Garden,
46300 Petaling Jaya, Selangor Darul Ehsan, Malaysia.

Tel: 603-7876 6510, 7876 6853, 7876 6708, 7876 6911

Fax: 603-7876 3748 E-mail: europj@streamyx.com



Badminton Tournament 2009 Results

Men's Singles Event

Champion

Au Kah Keong

Lee Hoe Electrical & Trading Sdn Bhd

Trophy + Omron Blood Pressure Monitor

1st Runner-Up

Tan Kam Foo

Individual Member

Trophy + Jaya Jusco Cash Voucher of

RM200.00

2nd Runner-Up

H'ng Kok Keong

Genuine Electric Sdn Bhd

Trophy + Jaya Jusco Cash Voucher of

RM120.00

3rd Runner-Up

Loke Chan Hon

EITA Resources Sdn Bhd

Trophy + Jaya Jusco Cash Voucher of

RM50.00

Men's Doubles Event

Champion

Ang Kien Aik & Ang Ban Kah

SP Multitech Sdn Bhd

Trophy + Jaya Jusco Cash Voucher of

RM500.00

1st Runner-Up

Mohd Sofie Hassan & Firmansyah

Julius Syafri

Sunway Engineering Sdn Bhd

Trophy + Jaya Jusco Cash Voucher of

RM300.00

2nd Runner-Up

Au Kah Keong & Chen Siang Long

Lee Hoe Electrical & Trading Sdn Bhd

& Bandar Elektrik Trading Sdn Bhd

Trophy + Jaya Jusco Cash Voucher of

RM200.00

3rd Runner-Up

Lai Wai Nien & Melvin Chau Weng Lee

KVC Industrial Supplies Sdn Bhd

Trophy + Jaya Jusco Cash Voucher of

RM100.00

Sponsors

EITA Resources Sdn Bhd

10 cartons Drinking Water

Omron Electronics Sdn Bhd

1 unit Omron Blood Pressure Monitor

SP Multitech Sdn Bhd

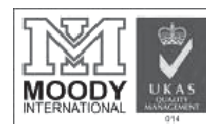
150 pcs T-Shirt



SHAMAN SDN. BHD.

(45706-K)

Established Since 1979



ISO 9001: 2008
BS EN ISO 9001:2008

We are specializing in:-

HIGH TENSION ELECTRICAL WORKS

LOW TENSION ELECTRICAL & ENGINEERING WORKS

EXTRA LOW VOLTAGE WORKS

TELEPHONE WORKS

MECHANICAL WORKS

MAINTENANCE WORKS

REGISTERED WITH:-

PKK (CLASS 1)

PKK CLASS A

TARAF BUMIPUTERA

CIDB (G7)

SURUHANJAYA TENAGA

KEMENTERIAN KEWANGAN

TARAF BUMIPUTERA

TENAGA NASIONAL BERHAD

TELEKOM MALAYSIA BERHAD

PUTRAJAYA HOLDINGS

FELDA HOLDINGS BERHAD

CELCOM

KUALA LUMPUR : 277-3, Jalan Selingsing 7, Taman Niaga Waris, Off Jalan Kuching, 51200 Kuala Lumpur

Tel : 03-62584288, 62570543 Fax: 03-62516966 Email: mail@shaman.com.my

SABAH

: 12, Tingkat 1, Blok B, Heritage Plaza, Jalan Lintas, 88000 Kota Kinabalu, Sabah

Tel : 088-712133 Fax: 088-716133 Email: kkoffice@shaman.com.my

SAMAJAYA

SAMAJAYA ELECTRICAL TRADING SDN BHD (839447-D)

22, Jalan Gandek, Off Jalan San Peng, 55200 Kuala Lumpur.

Tel: 603-9223 6818 (Hunting Line) Fax: 9223 7818

E-mail: enquiry@samajaya.com.my Website: www.samajaya.com.my

AGENT • DISTRIBUTOR • STOCKIST

Tel : 603-92236818 Fax : 603-92237818

Metal & Plastic DBs



Cable Support Systems



Cables & Wires



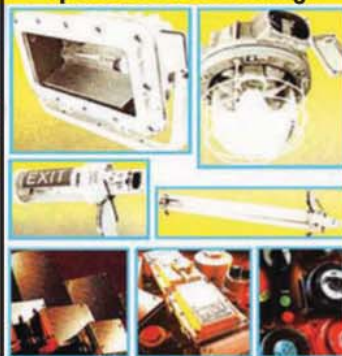
Capacitors



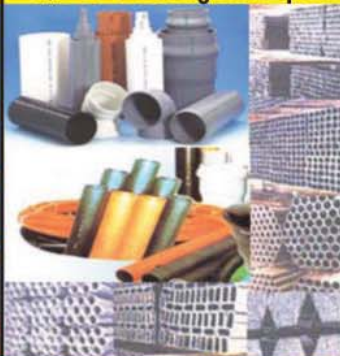
Rotary & Change Over Switches



Explosion Proof Fittings



GI, PVC & Corrugated Pipes



HV Switchgears



Test & Measuring Instruments



Lamps



Lighting Luminaires



Lightning Conductor & Columns



LV Switchgears



Joint & Termination Kits



Electrical Accessories



Electrical Accessories



CUSTOMER CARELINE : 1700 80 6818

TEEAM Specialised Group - Trading

By the Chairman, Engr Leong Kam Seng.

Market Surveillance on Regulated Products

An inaugural meeting was held on 12th November 2009. There were eight TEEAM members and two ASAFEE members who attended the meeting. We have formed four task force groups, namely Switches, Circuit Breakers, Ballasts and Capacitors. The task force is to provide market surveillance and information to Suruhanjaya Tenaga (ST).

Members are reminded to sell and buy only safe and compliance products so that we can have a strong, sustainable and healthy industry.

Visit To Kaizen Children' Home, Taman Tasik Semenyih

Mr Albert Koh Yeng San, Ir Chang Yew Cheong, Mr Charles Lee Wai Chiew, Mr Wong Tien Sung and myself visited Kaizen Children's Home in Taman Tasik Semenyih in the morning of 5th December 2009. We were received by the home's Adviser, Ms Lai Yoke Kiew; Chairperson Ms Agatha Yong; Committee Members as well as Staff. The home consists of six children. They are two girls and four boys who are aged from three to eleven years old.

The home hoped that our members can contribute to their needs. Donors who are keen can contact Mr Charles Lee at H/p: 012-208 4518. Mr Albert Koh suggested raising fund for the home through golf tournament.

Some food and token of cash were given to the home before we departed at noon. The Committee will arrange for the next visit. Members are encouraged to join the visit together with family members.

Technical Committee (TC) on High Voltage (HV) Power Transmission, Working Group (WG) on Switchgear, Controlgear and Assemblies (WG1), WG on HV Testing (WG2) and WG on Insulation Oils (WG3)

Mr Leong Kin Yue of Alpha Automation (Selangor) Sdn Bhd, Mr Tan Quok Chiat of TopRank Corporation Sdn Bhd and myself attended the above meetings on 9th & 10th December 2009 at TNB's High Voltage Direct Current (HVDC) Converter Station, Gurun, Kedah.

Ir Ab'llah Hj Mohd Salleh of TNB Transmission Division, chaired the meeting. The meeting was attended by Secretary, Ms Marina Mahdar of SIRIM Bhd and various organisations' representatives, namely FMM, JKR, IEM, ISCG, MNC-CIGRE, Petronas, ST and TNBR.

The new projects to be carried out by WG1 and WG2 are IEC 62271-110 and IEC 60270:2000 respectively. Whereas TC on HV Power Transmission will be working on the standards under TC115 which

also include HVDC Asset Management. A new WG4 on Relay Protection Devices will also be set up soon.

The next meeting is scheduled in April 2010 at SIRIM, Shah Alam.

You may contact our TEEAM Secretariat if you wish to know the stage of development and progress of the above TC and WGs.



Engr Leong Kam Seng

3rd Trading Committee Meeting

We held our 3rd meeting for the year 2009-2011 on 14th January 2010. We have initiated a health awareness programme for TEEAM members. The TEEAM Secretariat will inform members on the details of the medical diagnostic packages. These packages are offered to TEEAM members at very special rates.

Elecrama 20th to 24th January 2010

Nine TEEAM members, one guest and two Committee Members of the International Congress on Electricity Distribution (CIRED), Malaysia visited the biennial Elecrama trade exhibition on industrial electrical and electronic equipment under TEEAM's banner. There were 1,042 exhibitors with an expo area of 60,000 square meters. Exhibits included power distribution, transmission, generation products and services ranging from 220 V to 1,200 kV.

On hand to receive us were officials from the Indian Electrical & Electronics Manufacturers' Association (IEEMA), the exhibition organiser. They were IEEMA President, Mr Murali Venkatraman; Elecrama Organising Chairman, Mr Raj Eswaran, and IEEMA Director General, Mr Sunil More.

There were very interesting environment friendly products displayed at the show. One example is the compact 33 kV switchgear using revolutionary epoxy resin casting method. This method does not only save space (needs only 1/6 space as compare to air insulated gear and 2/3 space as compare to SF6 gas insulated gear), it also does away with SF6 gas which is not environment friendly.

The following prestigious conferences were held during the exhibition:

- Enhanced availability through standardisation of transformers;
- Emerging trend in instrument transformers; and
- Capacitors for energy efficiency and beyond.

Overall we are impressed by the diversity of products exhibited and the products with innovative technology employed. We wish to record our heartfelt thanks to IEEMA for extending their warm hospitality to us. We also owe a big thank you to IEEMA for offering a booth to TEEAM.

It is hoped that more members can visit the show in 2012 to capture the vast opportunities available.



Jogathon 2010



Date: 14th November 2010

Time: 7:00 am – 10:00 am

Venue: Bukit Aman Car Park,
Taman Tasik Perdana,
Kuala Lumpur.

Registration: Contact TEEAM Secretariat

Tel: +603-9221 4417, 9221 2091

Fax: +603-9221 8212

E-mail: teeam@streamyx.com /

teeam52@gmail.com /

teeam@po.jaring.my

Website: www.teeam.com





DIRIS A®

The new reference for multimeasurement meters



DIRIS A

The universal multi-function solution

Conforms to IEC 61557-12

ENERGY EFFICIENCY: THE KEY FACTOR!

Accurate measurement is the key factor in managing an energy efficiency project.

The new range of **DIRIS** Power Measurement Devices is a specialist manufacturer's response to the mains network measuring and analysis requirements of contractors, system integrators and industrial or services operators.

Measuring and analysis units to optimise your energy costs

- > reduce operating costs,
- > reduce production costs,
- > optimise maintenance costs,
- > improve the efficiency of the facility.

Your contact



CONTROLS HANDLING ENGINEERING SDN BHD (38045 - U) · 2, Jalan Nilam 1/7, SUBANG HI-TECH INDUSTRIAL PARK · 40000 SHAH ALAM, SELANGOR DARUL EHSAN MALAYSIA · Tel: 603-5638 1166 (5 lines) · Fax: 603-5637 2766 · E-mail: controls@streamyx.com · www.socomec.com

Jogathon 2009

The annual TEEAM Jogathon was held on 15th November 2009 at Taman Tasik Perdana (Lake Garden), Kuala Lumpur with the presence of some 70 joggers. Mr Toh Wai Kuen of Wong Electrical & Teak Wood Sdn Bhd again won the 6-km race men's category in 25 minutes 27 seconds. Ms Cheryl Melissa Kon of Schneider Electric Industries (M) Sdn Bhd clocked 39 minutes and 53 seconds to become the Champion in the Ladies' event.

Our great appreciation to the generous sponsors who made the event a success, namely EITA Resources Sdn Bhd, JJ-Lapp Cable (M) Sdn Bhd, Omron Electronics Sdn Bhd and Syarikat See Wide Letrik Sdn Bhd.

Our appreciation also goes to St John's Ambulance and the first aiders for helping out in case of emergency.

The winners are listed on page 49.



Enthusiastic joggers – Everyone ready to go.



Bravo! – A group photo taken after the prize presentation. Congratulations to all the winners!



Special prizes – (centre) Mr Liang Kok Boon (TEEAM Sports Chairman) presenting special prizes to joggers.



All smiles – TEEAM Officials posing with the ladies joggers.



COUNTIS®

Energy management

CERTIFIED MEASUREMENT & ANALYSIS OF YOUR ELECTRICAL CONSUMPTION

The new complete range of **COUNTIS E** meters meets your latest requirements:

- > MID EN 50470 certified,
- > direct connection for 32, 63 and 100A or via CT,
- > RS485 (JBUS / MODBUS) or pulses,
- > double tariff system,
- > 4 quadrants.

COUNTIS E

Metering functions for power supply diagnostics of your electrical installations



Your contact



..... Continue Jogathon 2009

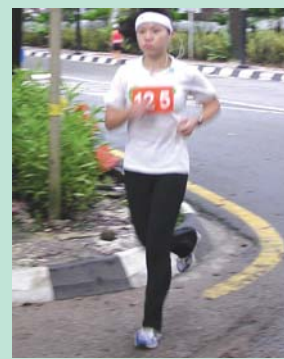


Evergreen Champion – (left) Mr Toh Wai Kuen of Wong Electrical & Teak Wood receiving an Omron Blood Pressure Monitor and trophy from Engr Leong Kam Seng (TEEAM Vice President). He clocked 25' 27".

Ladies Champion – (left) Ms Cheryl Melissa Kon of Schneider Electric Industries receiving an Omron Blood Pressure Monitor and a trophy from Mr Wong Chin Cheong (TEEAM Honorary Treasurer). She clocked 39' 53".



1st runner-up – (left) Mr Christian Hesslinger of Siteco Lighting receiving Jaya Jusco cash voucher and trophy from Engr Leong Kam Seng (TEEAM Vice President). He clocked 28' 48".



1st runner-up – (left) Ms Avery Chiew Foong Yin of Schneider Electric Industries receiving Jaya Jusco cash voucher and trophy from Mr Wong Chin Cheong (TEEAM Honorary Treasurer). She clocked at 40' 15".



2nd runner-up – (left) Mr Wu Jong Kwong of Tenaga Teknik Kian Lee receiving Jaya Jusco cash voucher and trophy from Engr Leong Kam Seng (TEEAM vice President). He clocked 28' 55".



2nd runner-up – (left) Ms Wu Hui Ling of Tenaga Teknik Kian Lee receiving Jaya Jusco cash voucher and trophy from Mr Wong Chin Cheong (TEEAM Honorary Treasurer). She clocked 44' 27".



Sixth position – (left) Mr Chong Khee Chon of Ademco receiving Jaya Jusco cash voucher from Mr Suresh Kumar Gorasia (TEEAM Past President). He clocked 32' 19"



Results announcement – All joggers waiting eagerly for the results announcement by the Emcee, Mr Jack Soon Lee Hock.



世威電器有限公司

SYARIKAT SEE WIDE LETRIK SDN. BHD.

Co. No. 25970-T

We supply electrical equipment from 1KV to 132KV

All enquiries are welcome



Distributor for



KUALA LUMPUR OFFICE

No. 27-1 & 2, Jalan Loke Yew, 55200 Kuala Lumpur, Malaysia.

Tel: 603-9221 4066 (Hunting Line), 9221 4830,

9221 4267, 9221 4676, 9221 4754, 9222 1901

Fax: 603-9222 9012, 9222 9629

Email : seewide@seewide.com.my

Website : <http://www.seewide.com.my>

PETALING JAYA OFFICE

No. 89, Jalan 20/7, Paramount Garden, 46300 Petaling Jaya,

Selangor Darul Ehsan, Malaysia.

Tel: 603-7875 7200 (5 Lines), 7875 7195, 7875 7745,

7875 7739, 7875 1198.

Fax: 603-7875 2708, 7874 2861

Email : see.wide@streamyx.com

Jogathon Results

Men's Event

Champion

Toh Wai Kuen

Wong Electrical & Teak Wood Sdn Bhd

Trophy + Omron Blood Pressure Monitor

1st Runner-Up

Christian Hesslinger

Siteco Lighting (M) Sdn Bhd

Trophy + Jaya Jusco Voucher of RM200.00

2nd Runner-Up

Wu Jong Kwong

Tenaga Teknik Kian Lee Sdn Bhd

Trophy + Jaya Jusco Voucher of RM100.00

Fourth

Sundaresen Perumal

Individual Member

Jaya Jusco Voucher of RM80.00

Fifth

Hartony Zulkifly

Tenaga Poly Sdn Bhd

Jaya Jusco Voucher of RM80.00

Sixth

Chong Khée Chon

Ademco (Malaysia) Sdn Bhd

Jaya Jusco Voucher of RM80.00

Seventh

Ladislav Varga

Siteco Lighting (M) Sdn Bhd

Jaya Jusco Voucher of RM50.00

Eighth

Lim Yong Thian

Wong Electrical & Teak Wood Sdn Bhd

Jaya Jusco Voucher of RM50.00

Ninth

Lam Wei Keong

Tenaga Poly Sdn Bhd

Jaya Jusco Voucher of RM50.00

Tenth

Soon Tong Weng

Wong Electrical & Teak Wood Sdn Bhd

Jaya Jusco Voucher of RM80.00

Ladies' Event

Champion

Cheryl Melissa Kon

Schneider Electric Industries (M) Sdn Bhd

Trophy + Omron Blood Pressure Monitor

1st Runner-Up

Avery Chiew Foong Yin

Schneider Electric Industries (M) Sdn Bhd

Trophy + Jaya Jusco Voucher of RM200.00

2nd Runner-Up

Wu Hui Ling

Tenaga Teknik Kian Lee Sdn Bhd

Trophy + Jaya Jusco Voucher of RM100.00

Fourth

Yong Sim Min

Omron Electronics Sdn Bhd

Jaya Jusco Voucher of RM60.00

Fifth

Chee Meng Yoke

Omron Electronics Sdn Bhd

Jaya Jusco Voucher of RM60.00

Sponsors

A word of appreciation and thanks to our sponsors:

EITA Resources Sdn Bhd

20 cartons Drinking Water

JJ-Lapp Cable (M) Sdn Bhd

165 pcs T-Shirt

Omron Electronics Sdn Bhd

1 unit Omron Blood Pressure Monitor

Syarikat See Wide Letrik Sdn Bhd

RM310.00



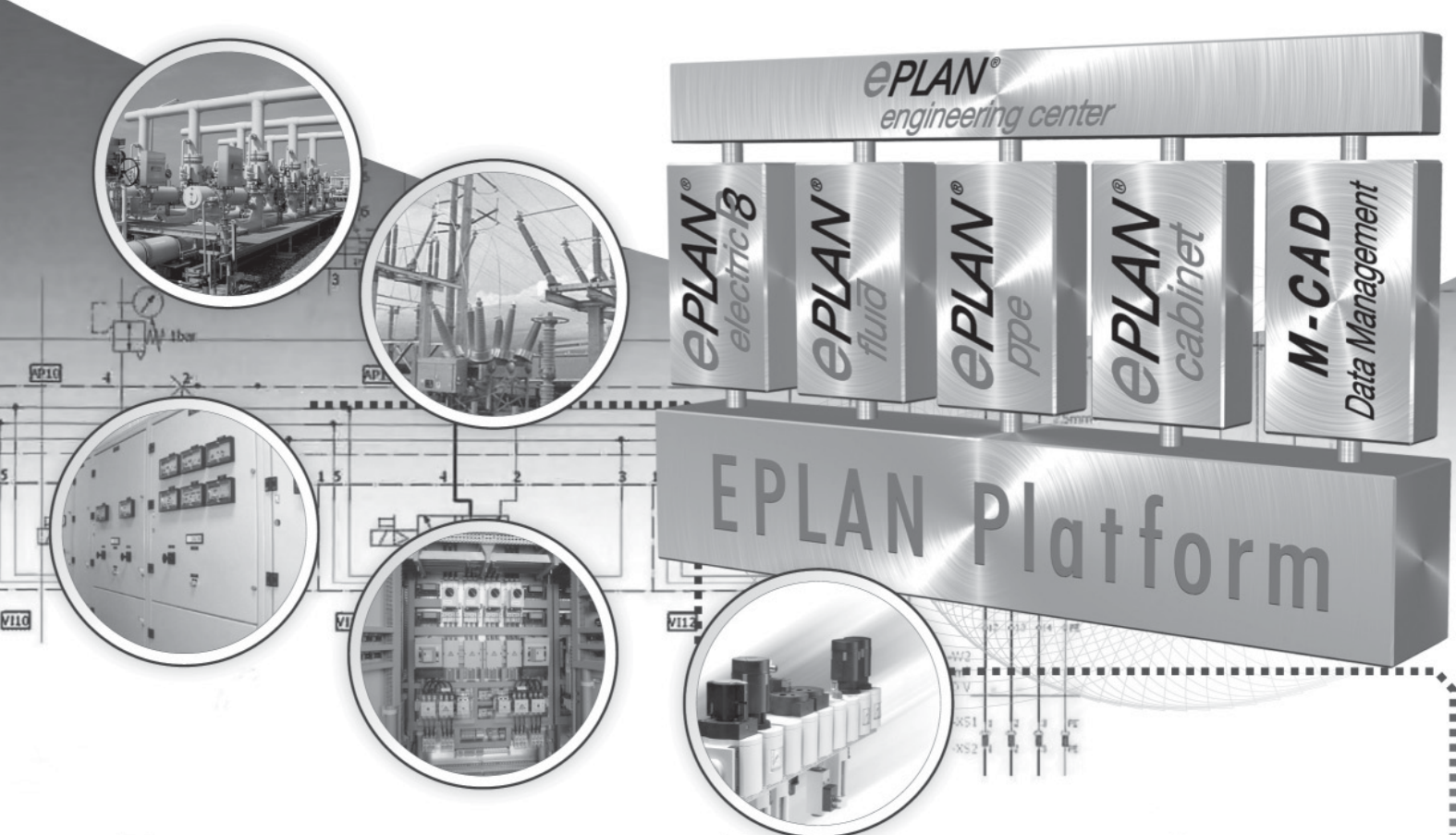
MEGA MAYANG M&E SDN. BHD. (160210-W)

Registration with authorities:

- Suruhanjaya Tenaga - Class 'A'
- CIDB G7 Categories 'B10', E'04', E'05', E'06', E'07', M'02', M'15'
- PKK Kelas I Kepala VII
- Kementerian Kewangan Malaysia
- Tenaga Nasional Berhad - Class 1
- Lisence Plumber for SYABAS & DBKL
- Certified to ISO 9001 : 2000

Address: No. 47, Jalan Revena 3, Off Jalan Seruling 59, Taman Klang Jaya, 41200 Klang, Selangor Darul Ehsan.

Tel: +603-33238822 / 8866 / 8877, Fax: +603-33238832, Email: mme@megamayangsb.com



The next dimension in CAE Electrical Design Software

- EPLAN Schematic Generator
- Variant Technology and Project Navigators
- Flexible with graphical and object orientation
- Automated wizard for PLC I/O
- Automated Reporting, Designs and Overview
- Object Oriented Design with Symbol & Parts Library
- Automated References and Logical Connection Design
- Fascinating with maximum performance through MS Office Integration
- Import / export and interfaces in DWG, DXF, Adobe PDF and Microsoft Excel



Do any of these questions sound familiar to you?

How can we check our engineering productivity?
What measures do we need to take to optimize processes?
How can costs be systematically reduced?

Do you know your EPF?

Whether it is electrical design, fluid design, enclosure construction or data management – EPLAN work together with you to examine your engineering phase and find your optimization potential.



EPLAN Competence Centre S.E.A. (414610-H)
Unit 705, Block G, Phileo Damansara 1, No.9, Jalan 16/11, Off Jalan Damansara, 46350 Petaling Jaya, Malaysia
Phone : +603 7954 5525 Fax : +603 7954 5528
Enquiry : sales@eplan.com.my Website : www.eplan.com.my

TEEAM Specialised Group – Manufacturing

By the Chairman, Mr Yap Ching Kiat

The manufacturing sector has always been very challenging and there are many issues that affect the local manufacturers to progress to be major exporters of electrical and electronics products. TEEAM has raised these issues over and over again to the relevant Ministries and government agencies and the response is now gaining some momentum. The following issues which are of great concern to the industry have been put forward as inputs to the tenth Malaysia Plan (2011 – 2015):

Full Access to the Domestic Market

The domestic manufacturers need full and free access to and support of the domestic market to establish themselves. This is very important as the Malaysian domestic market is substantial but not large. We have seen Treasury directives curtailing market access for local manufacturers and hence hindering further investment. Such directives affect everyone and for the benefit of a few, it has hindered national development and deprived the local electrical manufacturing sector to become a major contributor to the Malaysian economy. Hence, TEEAM has strongly advised the government to rescind directives that limit market access to local manufacturers, in particular “Pekeliling Kontrak Perbendaharaan Bil 1/2006”.

Use Local Products/Services Policy

The government must assist local manufacturers to ensure that their products are widely used in their own backyard. Therefore, the use locally manufactured products/services should be promoted aggressively as a National Mission, just like the 1Malaysia concept, starting with the government immediately.

The use local products/services in government projects policy was last revisited through Treasury Circular “Surat Pekeliling Perbendaharaan Bil 7/2002 (SPP 7/2002)”. However, implementation has not been strict and has been totally disregarded for sometime now. TEEAM advises the government to relook and review SPP 7/2002 to drive the local manufacturers to design and manufacture products of high quality and finish suitable for domestic as well as for export. Areas that need to be reviewed are:

- Local content criteria must be established so that local manufacturers will be able to benefit from FTAs. Besides, local content criteria is important to create spin-off locally and is a push factor for more domestic investment,
- SIRIM cannot be relied on as the sole authority in quality assurance and conformity assessment. Other stakeholders such as JKR, TNB, IEM, ACEM and TEEAM must be roped in to work together to ensure that only good quality products are used and be promoted for export,
- Specifications of large user such as TNB, JKR and Petronas should be incorporated into the Malaysian Standards instead of each having its own specifications.

Mandatory Standard and Enforcement

Mandatory standards are important to ensure products meet safety requirements. Technical standards, regulations and assessment conformity are important for safety protection while raising products quality and facilitating trade. However, enforcement of regulations by the Suruhanjaya Tenaga has not been strict. Our market is now flooded with non-conforming products, sometime affixed with fake SIRIM labels. Hence, post market surveillance (PMS) is important to nip the offences. TEEAM urges the government to urgently establish a proper framework for PMS involving the participation of industry players and funding provided. The association suggests RM 1 million per year for the next five years to finance PMS.

Foreign Workers Policy

Foreign workers are very much needed in the manufacturing sector. The immigration requirement to send back foreign workers who had

worked here for ten years is a great concern as employers have spent a great amount of money training them but they are forced to return to their countries. This policy must be reviewed by the government urgently.

Matching Grants

The number of SMEs has increased from 500,000 to 700,000. TEEAM believes a large number is set up just for the purpose to apply for SMEs grants. This is another example of subsidy not reaching the targeted beneficiaries and at the right time. TEEAM proposes that matching grants be disbursed through tax credits and assets acquired be allowed to be depreciated within the same year to help SMEs in their cash-flow with regard to tax payment. Grants should only be given to companies who submit their annual returns diligently.

National Electro-technical Laboratory

We are in need of a full fledged electro-technical laboratory to be managed and operated jointly between regulatory authorities, domestic manufacturers’ associations, large users and local authorities. This will ensure local products are meeting the desired standards and be given all the opportunities to be used in local projects. Other than testing domestic products, the laboratory is needed to carry out conformity assessment of imported products to enable the government to implement mandatory standards.

It is estimated that the laboratory will cost about RM500 million and another RM100 million per year for five years to get it to the stage of self-funding. This is a necessary infrastructure to propel the electrical manufacturing sector to realise its full potential for Malaysia.

Information on Market Surveillance Task Force

The lack of enforcement on non-compliant products has made these products easily available in the local market. This has affected the local manufacturers who have to comply with the regulation strictly. It is therefore in the interest of local manufacturers that they help to ensure all imported products are complying strictly with the regulation to ensure fair competition.

TEEAM has since invited local manufacturers of regulated products to form market surveillance task force to help in the enforcement of regulation through providing market information. Four task forces namely on switches & sockets, circuit breakers, capacitors and ballasts have been set up. Members are welcome to participate in these task forces to safeguard your interest.

Progress of High Power Laboratory

TEEAM has raised in many forums on the need to establish a full fledged electro-technical laboratory to proper the manufacturing sector. A task force has since been set up to work on the proposed high power laboratory which comprised high voltage and high current. The task force is led by University Technology Malaysia and TEEAM is represented. With the set up of this proposed laboratory, TEEAM believes domestic investment in the manufacture of power equipment such as switchgears, transformers, and switchboards will increase to make Malaysia as a major exporter. Currently there is lack of facilities to test this equipment. TEEAM needs the participation of members in the initial stage of developing such laboratory. Members’ contribution in providing the list of testing requirements and the standards to be complied is welcome. Please check with the TEEAM Secretariat for more information.



Mr Yap Ching Kiat

MITTRIC

Sole Agent for



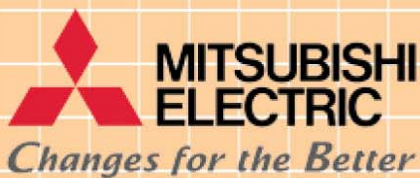
World Super AE
LV Air Circuit Breakers
630AF ~ 6300AF



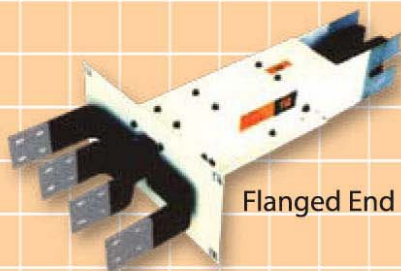
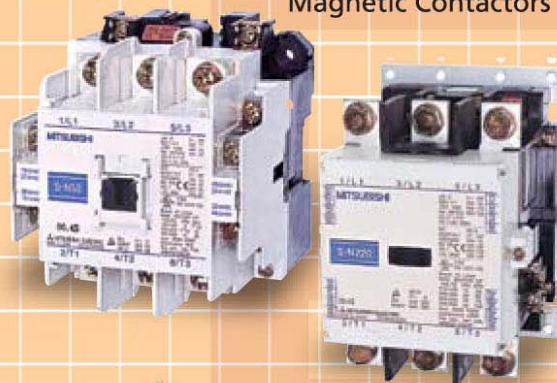
World Super WS Series
Molded-Case Circuit Breakers
30A ~ 1600A



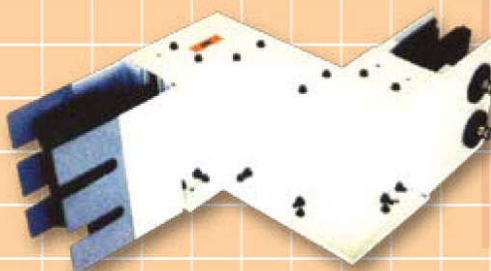
New-S Series
Electronic Power Meter



MS-N Series
Magnetic Contactors



Flanged End



Horizontal Offset



Plug-in Feeder



TRANSLITE MF BUSDUCT™
(Maintenance Free)



Plug-in Unit

MITTRIC SDN BHD (566867-P)
MITTRIC SYSTEMS SDN BHD (709472-U)

5, Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie, 40150 Shah Alam, Selangor, Malaysia.

Tel: 603-5569 3748 / 5569 4553 Fax: 603-5569 3749
E-mail: mittric@alphakl.com / mittricsystems@alphakl.com



Congratulation

TO

MULTI-B SDN. BHD.

Manufacturer of **TRANSLITE BUSDUCT™**
for their achievement as the
top winner in "Enterprise 50"
Award 2009

We are proud to be your business
partner and the agent of **TRANSLITE BUSDUCT™**

MITTRIC SDN BHD (566867-P)

MITTRIC SYSTEMS SDN BHD (709472-U)

5, Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie, 40150 Shah Alam, Selangor D. E.

Tel: 603-5569 3748 / 5569 4553 Fax: 603-5569 3749

Email: mittric@alphakl.com / mittricsystems@alphakl.com



HENSEL**ENYSUN**

Photovoltaic distributors that meet the standards.

„Here comes the sun!“Safe product solutions for photovoltaic plants that meet the standards.
Standardised to meet IEC 60 364-7-712 requirements**Principal Distributor
PENTAPOWER (M) SDN BND**No. 107, Jalan Puteri, 6/9, Bandar Puteri 47100, Puchong,
Selangor Darul Ehsan, Malaysia.

Tel: +603-8062 6635; Fax : +603-8062 4635

Email: kysan88@gmail.com / sales@pentapower.com.my

**HENSEL****Hensel representative
Eng Chee Wei**

H/P No: + 60 193230777

Email: malaysia@hensel-electric.in

HENSEL

Industrial electrical power distribution system

Presenting...

- Combinable enclosure system with door
- Very easy and fast combinable
 - side walls already open
 - Gasket already mounted
 - Screwless connection via wedges
- For indoor and outdoor installations
also in industry and in difficult environment
- Degree of Protection IP 65,
- Water jets tested and dust proof
- Impact proof polycarbonate
 - halogen and silicon free, UV resistant
 - 960° C Glow wire tested, UL V-2
 - Flame - retardant and self extinguishing
- Totally insulated enclosure (Class II)
- Type tested assembly upto 250 A,
according to IEC 60 439-1



Contact us at

**Principal Distributor
PENTAPOWER (M) SDN BND**Regn. No. 342805 - A
No. 107, Jalan Puteri, 6/9, Bandar Puteri 47100, Puchong,
Selangor Darul Ehsan, Malaysia.

Tel: +603-8062 6635; Fax : +603-8062 4635

Email: kysan88@gmail.com / sales.pentapower@gmail.com

Hensel representative**Eng Chee Wei**

H/P No: + 60 193230777

Email: malaysia@hensel-electric.in

HENSEL**ENYSTAR****World novelty**

Resistance of Thermoplastic Material to Fire due to Internal Electrical Effects

Thermoplastic Material in Electrical Engineering

Nowadays thermoplastic materials are used in numerous areas of electrical engineering and electronics.

Thermoplastic materials not only meet the requirement for “insulating live parts” but also offer additional properties such as flexibility, good processability, hardness and lightweight.

Standards set down the rules and regulations under which electrical equipment (including equipment made of thermoplastic material) may be used and operated.

This minimises risk to the user and when used correctly reduces the environmental impact to a minimum.

Requirements from Laws and Standards

Safety requirements for flammability set out in VDE or IEC standards predominantly relate to the environment of conducting and live parts, which could act as an ignition source.

A fire must also be prevented in case of faults caused by incorrect use. Fire requires the following conditions: a source of ignition/heat, eg a short circuit, creepage current, electric arc or an increased contact resistance.

Examples of Faults in Electrical Equipment



• Scorch mark due to loose clamping unit.



• Short circuit in the box due to internal contamination or humidity.

IP Degrees of Protection

The correct IP degree of protection, specific to the product, protects the electrical devices in the boxes from contamination and humidity. This prevents faults from creepage currents with subsequent short circuits.

Flame Retardant

The threshold at which a fire occurs depends on the flammability of the material. Some thermoplastic material burn under the effect of defined ignition sources, whilst others do not.

If a specific product can only use a certain thermoplastic material which on its own does not offer the required level of safety, flame retardants can be added to reduce flammability or to prevent combustion. These guarantee the required safety during use and in case of faults.

Flame Resistance

The minimum requirement is laid down by device standards. Evidence of flame resistance must be provided by glow-wire testing under at least 650°C.

Self-extinguishing

Self-extinguishing describes the property of a combusting thermoplastic material to extinguish independently within a short time of the ignition source being removed.

Halogen Free

The self-extinguishing property is often achieved through the use of halogens which are added to the thermoplastic material. Halogens cause ferrous metals to corrode in a fire. As a result, halogen-free materials are often preferred for electrical equipment to protect the basic structure.

Source: Hensel Product Information
www.hensel-electric.de



Visit to Kaizen Children's Home

The TEEAM Trading Committee organised a visit to the Kaizen Children's Home Selangor in Semenyih on 14th March 2010. The Committee Members who took part included Engr Leong Kam Seng (Chairman), Mr Charles Lee Wai Chiew, Mr Wong Tien Sung and Mr Albert Koh Yeng San together with his wife. They were also joined by Council Member, Ir Chang Yew Cheong and his family.

They were received by the home's Chairperson Ms Agatha Yong. Token of cash, food items, books and toys were given to the home. At the moment, there are only six children, consisting of two girls and four boys aged three to eleven. The home can cater up to twenty children. TEEAM members who come across any families having difficulties to care for their children (eg single parent, divorcee or orphan)

are welcome to arrange for an interview with the home to accept these children.

The home needs about RM 4,000 per month to cover expenses and it depends on donation from the public. It is hoped that TEEAM members can contribute in cash donation or in kind to help these less fortunate children.

Earlier in the day Engr Leong Kam Seng and Ir Chang Yew Cheong with his family visited the rabbit farm and the Kwan Yin temple in Broga. A small road beside the temple winds up to a small hill and people going up there can see Broga Town and the surrounding views. During lunch they were joined by Mr Charles Lee Wai Chiew and Mr Wong Tien Sung at a restaurant that serves special blue Talapia



At the Kaizen Children's Home – (from left) Engr Leong Kam Seng, Mr Charles Lee Wai Chiew, Mr Albert Koh Yeng San, Mr Wong Tien Sung and Ir Chang Yew Cheong with the home's six children.

fish. Mr & Mrs Albert Koh Yeng San joined them at the home.

The Trading Committee hoped that more members will join in for the next visit.



Agent / Authorised Distributor for :-



Full Range of Low Voltage Products:-

EMAX Air Circuit Breaker
Tmax T.Generation MCCB
 System **PRO M Compact** MCB & RCCB
 SoftStarters & Inverter Drives **ACS Series**
 Magnetic Contactors
 Earth Fault & Overcurrent Relay **SPAJ 140C**
 Switch-Disconnecter **OT & OETL**
 OVR Surges Protection
 MS Manual Motor Starter
Others



Low Voltage Power Capacitor

* Range from 2.5 Kvar to 30 Kvar 440V Dry Type



Mechanical Relay & Din Rail Timer



Protective Relay & Power Factor Regulator



Low Voltage Products Air Circuit Breaker Moulded-Case Circuit Breaker MCB RCB Contractors & Surges Protection



FUSELINE ELECTRIC & ENGINEERING SDN BHD (424303-K)

No.12A, Jalan Pemberita U1/49, Temasya Industrial Park Glenmarie, 40150 Shah Alam, Selangor D.E
 Tel: 603 - 5569 5766 Fax: 603 - 5569 0058 Email: fuseline@streamyx.com

TNB Technical Briefing on Compact Substation & New Layout Design

On 10th February 2010, Tenaga Nasional Berhad (TNB) organised a half day technical briefing session on new compact substation planning policy and new 11/0.4kV substation layout at Wisma TNB, Petaling Jaya. It aimed to brief on TNB's new policy in the use of compact substations of 500kVA supplying electricity to new housing schemes for domestic consumers and the new layout design of 11/0.4kV substation. The session was chaired by Tn Hj Ismail Din (Senior General Manager, Engineering Department, TNB Distribution).

The briefing was extended to the members of TEEAM, the Association of Consulting Engineers Malaysia (ACEM) and the Real Estate and Housing Developers' Association (REHDA). Some 100 participants attended the technical briefing.

Ms Tan Siew Hwa (TNB Senior Engineer, Engineering Department) gave two powerpoint presentations on "Planning Design Policy using 500 kVA Compact Substation" and "New Layout Design of 11/0.4 kV in TNB Distribution".

The new planning design policy arises because there has been a lot of requests on compact substation installations in new supply development, replacing the conventional substations due to land scarcity and simplicity in construction. Thus, it triggered TNB to look into reviewing its current policy on compact substation installations. The utility is also taking into

consideration the network security and restoration time to customers.

The current policy of all compact substation installation requires pre-approval from Chief Engineer's office in TNB Headquarters before the planning of network design can proceed. The new policy of compact substation of 500 kVA capacity is encouraged to be installed for new housing development (domestic customers) only. Such installation does not require pre-approval before proceeding with planning of network design. Appropriate distribution network design to ensure security and restoration time to customers will not be affected.

In term of substation land size, land price and building price, there is a vast cost saving for developers to install a compact 500 kVA substation in comparison to the conventional single chamber 500 kVA. However, developer/customer has the option of choosing conventional substation or compact substation 500 kVA.

For the new layout design of 11/0.4 kV in TNB Distribution, Ms Tan elaborated that

there is an urgent need in monitoring the tapping point of current and voltage, as well as kWh meter for LV bulk customers and metering room to be part of TNB substation building. All LV distribution boards in new substations are to be replaced with feeder pillars as referred in the Electricity Supply Act Regulation 19(3).

Her presentation covered the new features in the substation layout, new LV bulk customer metering room, connection scheme, roof slab requirement, fire fighting system requirement and fencing requirement.

A copy of the powerpoint presentation can be viewed by members at the TEEAM Library. For detailed information, you may contact Ms Tan Siew Hwa at E-mail: tshwa@tnb.com.my.



Welcome speech – Tn Hj Ismail Din (Senior General Manager, Engineering Department, TNB Distribution) welcoming everyone to the technical briefing.



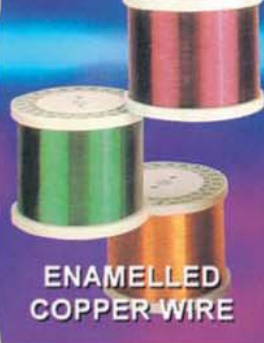
Speaker – Ms Tan Siew Hwa (Senior Engineer, Engineering Department, TNB Distribution) giving her presentation.



Good turnout – Some 100 participants attended the technical briefing.



**COPPER SHEET
COPPER STRIP &
COPPER BUS BAR**

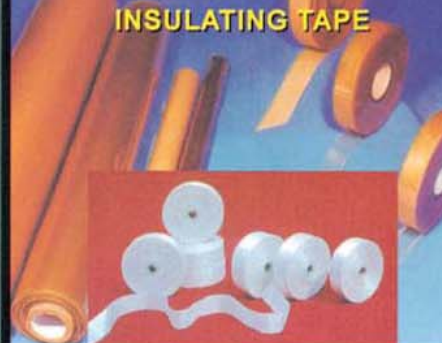


**ENAMELLED
COPPER WIRE**



**INSULATING
PAPER, SHEET, BOARD**

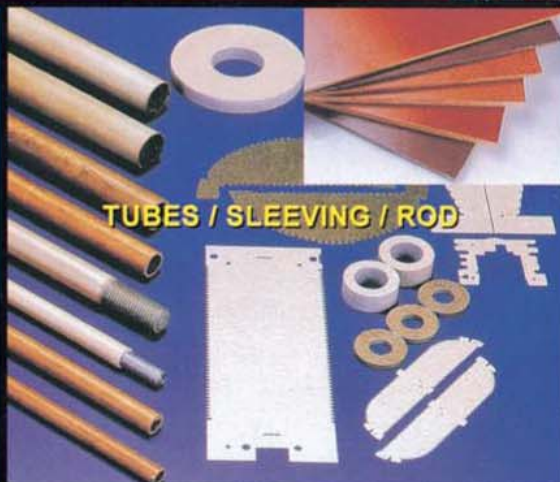
MODEL 5556-1



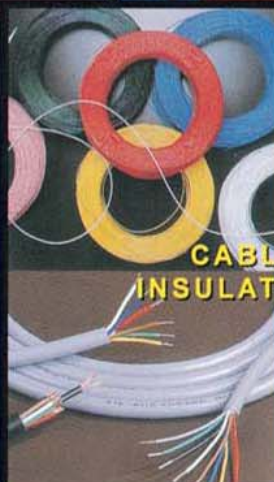
INSULATING TAPE



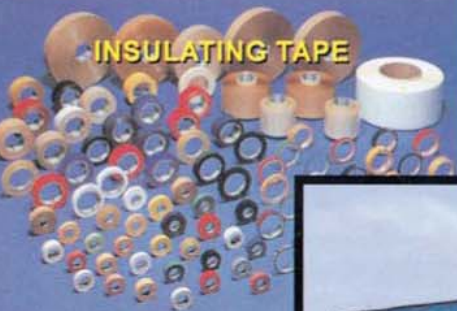
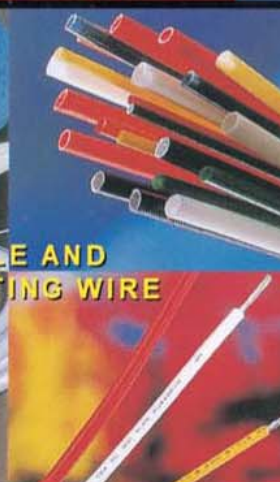
INSULATING FILM



TUBES / SLEEVING / ROD



**CABLE AND
INSULATING WIRE**



INSULATING TAPE



PENGEDAR ALAT ELEKTRIK
STRIKER ELECTRIC SDN. BHD.
前鋒電器有限公司



**前鋒電器有限公司
STRIKER ELECTRIC SDN. BHD.** (86357-A)

Lot 2, Jalan P 10/15, Kawasan MIEL Bangi Phase IV, Bangi Industrial Area,
43650 Bandar Baru Bangi, Selangor Darul Ehsan.
Hunting Line: (603) 8922-1188

Fax: (603) 8922-1818 (Sales), 8922-2828 (Account)

E-mail: sstriker@streamyx.com Website: www.striker.com.my

SABAH BRANCH: Tel: 088-421488 Fax: 088-439488

**STOCKIST AND DISTRIBUTOR OF IMPORTED AND LOCAL-COPPER BARS, STRIPS,
ENAMELLED COPPER WIRE, INSULATING MATERIALS, ELECTRICAL & ETC.**



**INDUSTRIAL
EXHAUST FAN**



TERMINAL & CONNECTOR



SOLDERING IRON, BIT & ELEMENT



1Malaysia Economic Conference

The Associated Chinese Chambers of Commerce and Industry of Malaysia (ACCCIM) organised a 1Malaysia Economic Conference on “New Economic Model” from 8th to 9th February 2010 at Kuala Lumpur Convention Centre, Kuala Lumpur. The conference was successfully held with some 1,047 participants attended the conference. TEEAM members were present to show support.

YAB Dato’ Sri Mohd Najib B Tun Hj Abdul Razak (Honorable Prime Minister of Malaysia) officiated the opening ceremony on 8th February 2010. The conference was endorsed by Ministry of Finance (MOF), Ministry of International Trade and Industry (MITI) and Economic Planning Unit (EPU) of the Prime Minister’s Department and supported by Malay Chamber of Commerce Malaysia (MCCM), Malaysian Associated Indian Chambers of Commerce and Industry (MAICCI), Federation of Malaysian Manufacturers (FMM) and Malaysian International Chamber of Commerce and Industry (MICCI).

The 2-day conference covered the following sessions:

- Malaysia’s strategic position in the globally competitive market
- New economic model: prospects and challenges
- Entrepreneurship and joint-venture promotion in the new economic model
- Challenges after the global financial crisis
- Implementing the new economic model: the way forward and challenges
- Towards high income economy
- Private sector’s expectation to the new economic model

YAB Dato’ Sri Mohd Najib highlighted in his keynote address that China-ASEAN Free Trade Area (CAFTA) will challenge all ASEAN economies to structurally adjust and adapt, especially the private sector will need to raise its game in terms of being more efficient and to hone its ability to exploit the opportunities presented. The



Overwhelming response – Over 1,047 participants attended the conference.



For the album – (from left) Mr Lee Peng Sian (TEEAM Committee Member), Ir Yong Ah Huat (TEEAM Council Member), Dato’ Ir Lee Peng Joo (TEEAM Immediate Past President cum Adviser), Tan Sri Datuk Amar (Dr) Hj Abdul Aziz B Dato’ Hj Husain (Chairman of Eksons Corporation Berhad), Mr Michael Oan Cheng Hoe (TEEAM Council Member), Ir Rocky Wong Hon Thang (TEEAM Honorary Fellow cum Technical Adviser) and Ir Peter Lu Nguang Siong (TEEAM Member).

global environment has changed fundamentally and the Malaysian government will give serious consideration to mitigate the adverse effect felt by affected industries. The government will continue to adopt the spirit of openness in its policy formulation and will listen to all constructive proposals, especially in connection with the formulation of the new economic model and the 10th Malaysia Plan.

The new economic model and the 10th Malaysia Plan are the final push to achieve Vision 2020. There are three components, namely human capital, private capital and social capital which are essential to achieve the Vision 2020. YAB Dato’ Sri Mohd Najib encouraged employers, both public and private to provide opportunities for their employees to acquire skills and core competencies. The returns in terms of sales, profits and sustainability will be tremendous.

The government is in the process of streamlining institutions, policies and

procedures to make it easier for investors to invest in Malaysia. A study by the World Bank shows that 60-80 per cent of a country’s wealth can be in the form of intangible assets such as proprietary technologies, intellectual property, brand names and institutions. Malaysia needs to do more to create the intangible assets because they are our competitive edge for the future. High income countries have high-value industries and corporations, whereby they have a high ratio of intangible investment. Subsidies for industries will be restructured and gradually phased out and greater domestic competition must occur. Nurturing of infant industries must be done differently and based on skills, technology, access to capital and marketing support and not on protection.

Social capital is to draw disparate communities closer together, build goodwill, trust and confidence among them and promote cooperation and partnership. It builds relationship and holds the nation together and makes for a dynamic and vibrant 1Malaysia.

ACCCIM President, YBhg Tan Sri William Cheng Heng Jem highlighted in his speech that government’s wisdom and prompt remedial actions towards the formula of society harmonisation are vital. The government may work closely with the local manufacturing industries and to assist them to enhance their productivity by providing them low interest loans and speeding up the process of computerisation, automation and mechanisation. Efforts should be intensified to attract more FDI (Foreign Direct Investment) and domestic investments through more extensive liberalisation not only in the manufacturing sector, but also in other sectors such as trade and services; transport and storage; communications and energy; real estate and health services etc. In the spirit of 1Malaysia concept, domestic investors irrespective of race should be nurtured and given opportunities in all aspects of economic endeavours.

A copy of the conference proceedings is available in the TEEAM Library for members’ reference.



旺電器木料有限公司

(6943-D)

WONG ELECTRICAL & TEAK WOOD SDN. BHD.

8, Lorong Yap Hin, Pudu, 55100 Kuala Lumpur, Malaysia.

Tel: 603-2142 5822 (Hunting Lines), 603-2142 9218/2148 4742 Fax: 603-2142 4523/2142 2846

Email: wetkl@wongelectrical.com.my Website: www.wongelectrical.com.my

Wong Electrical & Teak Wood (Pg) Sdn. Bhd. (30263-T)
No. 13 Jalan Pantai
10150 Pulau Pinang
Tel: 604-229 2571, 2519, 3996, 3686
Fax: 604-229 3613

Branch: 28, Lengkok Kikik 1
Taman Inderawasih
13600 Prai Pulau Pinang
Tel: 604-398 0720
Fax: 604-398 0855

Wong Electrical & Teak Wood (Sel) Sdn. Bhd. (75423-D)
No.33 Jalan 20/14
Paramount Garden
46300 Petaling Jaya Selangor
Tel: 603-7874 8355(HL), 8251, 8135, 7876 2676
Fax: 603-7876 7175

Soon Fay Sdn. Bhd. (56058-U)
No.13, Jalan Kalong
Off Jalan Sungai Besi
55200 Kuala Lumpur
Tel: 603-9221 6011(HL), 3313,
6759, 7036, 1264, 1262
Fax: 603-9221 0743

Wong Lighting (M) Sdn. Bhd. (72038-P)
No 17 & 19, Lorong Yap Hing
Off Jalan Pasar, Pudu 55100 Kuala Lumpur
Tel: 603-2145 6788(HL), 2145 0591
2145 0590
Fax: 603-2145 6799

Branch: No. 34 Jalan 20/16A
Paramount Garden
46300 Petaling Jaya Selangor
Tel: 603-7876 5022(HL), 7874 2409,
7876 0879, 7874 2452
Fax: 603-7876 5057

State Associations News



Sabah Electrical Association

Lot No. 3-3-R, Beverly Hills Plaza, Jalan Bundusan,
88300 Kota Kinabalu, Sabah.

Tel: 6088 - 712 358 Fax: 6088 - 717 358

E-mail: pes233@tm.net.my / pes233sabah@gmail.com
pes233@streamyx.com

13th Annual Dinner

On 31st January 2010, the Sabah Electrical Association (PES) celebrated its 13th Annual Dinner at Ocean Seafood Village, Sabah. The Guest of Honour was YB Datuk Ir Edward Yong Oui Fah (Assistant Minister of the Ministry of Local Government and Housing, Sabah). TEEAM President, Engr Fu Wing Hoong led some of the Exco Members and State Associations' Chairmen and representatives to the dinner.

The theme for that night was "Safer Energy to a Safer Earth". Some of the guests were Ar Ho Jia Lit (Chairman of PAM Sabah Chapter), Ir Tan Kok Yong (Vice Chairman of IEM Sabah Branch), Ir Heng Aik Sin (Immediate Past Chairman of ACEM Sabah), Mr Ricky Lim Lip Kee (President of Sandakan Electrical Engineering Association) and Mr Tai Cheong Loi (President of Lahad Datu Electrical Entrepreneur Association).

Highlights of the dinner included lucky draw, lion dance, traditional dances and singing performance. Certificates of appreciation were presented to PES Past Committee Members for their contributions. There was a mock cheque presentation from Datuk Pang Ah Foh and Kapitan Leong Pak Hin who donated generously towards the dinner. Some 850 members and guests attended the dinner.



Welcome – A group photo of PES Office Bearers 2010-2011 with (front row 4th from left) YB Datuk Ir Edward Yong Oui Fah (Assistant Minister of the Ministry of Local Government and Housing, Sabah) and YBhg Datin Mary Wong.



Support from the industry – Well turnout at the PES 13th Annual Dinner.



Thank you - (left) Engr Fu Wing Hoong (TEEAM President) receiving a souvenir from Mr Woo Soo Poo (PES President).

7th Installation Ceremony

PES held its 7th installation ceremony in conjunction with its 13th Annual Dinner on 31st January 2010.

Office Bearers for the year 2010-2011

President	Woo Soo Poo
1st Vice President	Chin Fui Min
2nd Vice President	Wong Chee Sen
Secretary	Lee Vui Ken
Assistant Secretary	Leslie Jong
Treasurer	Lai Tet Vui
Committee Members	Foong June Choy, Fo Ying Foh, Philip Ng Chee Phin, Chin Chung Kee, Lau Tong Liong, Chong Son Min, Arthur Lim Yit Tan, Bunny Teh Bung Nee and Alexander Richard
Immediate Past President	Chung Kee Hung



New line-up - PES Office Bearers for the year 2010-2011.



Sworn-in ceremony – The installation ceremony was witnessed by (far right) YB Datuk Ir Edward Yong Oui Fah (Assistant Minister of the Ministry of Local Government and Housing, Sabah).



**MK6
(GENIUS)
Class 0.5s
& Class 1**



**MK3
Class 0.2s**



**DT862
3-Phase
4-Wire
Watt hour
Meter**



**HLD03
Single Phase
Watt hour
Meter**

JEAN MÜLLER 
the name for safety



**LV HRC
fuse-switch
-disconnectors**



**HV HRC fuse-links
(Current Limiting)**



**LV HRC fuse-links
(NH fuse system)**



Digital Power Meter



Switches



**Push Buttons,
Pilot Lights & LED**



Analogue Instruments



SIEMENS

JEAN MÜLLER 
the name for safety

Hortzmann



sälzer
Innovation · Technology · Quality

RUDOLF

AMETEK



Total Metering Solution Sdn. bhd. (Co. No. 478265-H)

No. 22 & 22A, Jalan Anggerik Vanilla 31/93, Kota Kemuning, 40460 Shah Alam, Selangor, Malaysia.

Tel: +603-5122 0029 Fax: +603-5122 0079

Email: info@tms.com.my / sales@tms.com.my

Website: www.tms.com.my



The Perak Electrical Association

No. 12-A, Jalan Datuk Mahmud,
31650 Ipoh, Perak Darul Ridzuan.
Tel: 605 - 254 1502 Fax: 605 - 250 9145
E-mail: multi99@streamyx.com

Technical Seminar

Some fourteen Committee Members and general members of the Perak Electrical Association (PEA) attended a technical seminar on AC Capacitor which was held on 12th September 2009. The seminar was organised by Electrical Components Sdn Bhd (ELCO) at the Heritage Hotel, Ipoh. It was very informative and well attended. ELCO manufactures AC capacitor for lighting, motor and capacitor bank.

Annual General Meeting

PEA held its Annual General Meeting (AGM) for the year 2010 on 21st March 2010. Some 60 members attended the AGM which was held at PEA premises. There was an election of new office bearers for the year 2010-2011. Mr Wan Kam Weng was re-elected as the PEA President for the new term.

Office Bearers of PEA for the year 2010-2011

Honorary Presidents	Khaw Chin Hong, <i>AMP</i> , Lee Kai Beng, Leong Wa Sing, <i>PMP</i>
President	Wan Kam Weng
Deputy President	Chan Kaim Sam
Vice Presidents	Yong Hieng Charn, Foo Kooi Chong, Leong Kok Wai, <i>PJK</i> , Chan Yok Fan
Secretary	Teoh Kim Fong
Vice Secretary	Ngeow Khong Seng
Treasurer	Wong Kee Keong
Vice Treasurer	Foo Yoke Toong
Correspondence Officers	Yew Heng Wah, <i>PPT</i> , Wan Kam Yew, Lee Chee Khai
Social Secretaries	Ong Kean Seng, Leong Kok Wah
Welfare Secretaries	Kong Wan Fook, Lai Koon Loy
Investigators	Wong Lean Fatt, Wong Kon Yuen, Wong Tet Woon, <i>AMP</i>
Committee Members	Wong Kok Mun, Teoh Chee Jian, Kan Kim Weng, Loo Swee Kee, Chung Hon Meng, Lau Sin Leong, Har Chee Hoong, Wong Ngen Wah, Cheah Koon Yeong
Legal Adviser	Chee Weng Weng
Electrical Adviser	Ir Joe Cheng Kok Jor, Ir Ng Chee Yee
Medical Adviser	Dr Yek Sing Chee
Auditors	Choong Soon Yean, Peter H K Chin
Outstation Assistants	Yong Tack Meng, Kong Wai Jun



Johor Bahru Electrical & Electronics Association

No.7-01, Jalan Bentara Luar, Taman Iskandar,
80050 Johor Bahru, Johor Darul Takzim.
Tel: 607 - 333 8174 Fax: 607 - 224 1923
E-mail: ibon_elec@yahoo.com
chernyenming@yahoo.com

Foster Fellowship

The Chairman of Johor Bahru Electrical & Electronics Association (JBEEA), Mr Leong Kam Meng made a weekend trip to Kota Kinabalu to attend the 13th Annual Dinner of Sabah Electrical Association (PES) which was held on 31st January 2010. He was glad to have the opportunity to foster fellowship with electrical contractors and suppliers in Sabah.



PES dinner – (left) JBEEA Chairman, Mr Leong Kam Meng and PEA Deputy President, Mr Chan Kaim Sam were present at the PES dinner.

Electrical Association of Sarawak & Sabah (EASS)

No. 2 A/F, 2nd Floor, Hardin Road, 96000 Sibul, Sarawak.
Tel: 6084-319 949 Fax: 6084-346 114, 325 112
E-mail: sibuccci@gmail.com

Technical Visit to Olympic Cable

The Chairman of Electrical Association of Sarawak and Sabah (EASS), Mr Hii Hua Chuon led some members to visit Olympic Cable Co Sdn Bhd recently. The purpose of the visit was to understand the electricity supply system in West Malaysia and to network with the cable manufacturer. He highlighted that Olympic Cable is one of the major



suppliers of cables to East Malaysia. It was a good learning trip for EASS members who were briefed on cable production.

Souvenir presentation – Mr Hii Hua Chuon presenting a souvenir to (right) Mr Yeat Siew Hong (CEO of Olympic Cable).

Visit to IEW 2009

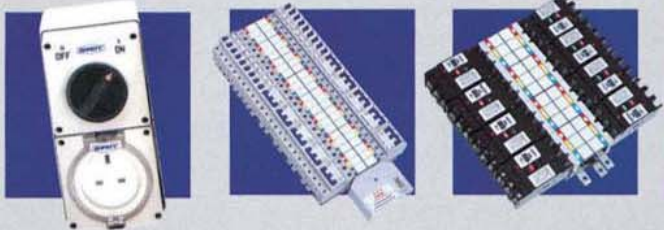
Members of EASS visited the International Energy Week (IEW) 2009 which was hosted by the Sarawak State Government. It was held from 3rd to 5th November 2009 at the new Borneo Convention Centre, Kuching, Sarawak. The highlight of the expo was the Sarawak Corridor of Renewable Energy (SCORE) pavilion where visitors learnt and gathered information on its development. Some latest electrical equipment, energy saving products, new energy oil products which are environment friendly were showcased at the expo.



At the IEW 2009 – A group photo of EASS members at the expo.



The brand you can trust



Products Certification & Approval
ASTA Certificate - LV Switchboard, MCB & MCCB Busbar System
International IEC Certificate - MCB and ELCB
Suruhanjaya Tenaga Approval - LV Switchboard, MCB & ELCB
 Our LV Switchboard, MCB and ELCB is approved for Government Projects



3 Pole Socket for Vertical Busbars
 Ampere: 100A, 160A, 250A, 400A and 630A



Withdrawable Starter Panel



25A Auxilliary Plug and Socket



63A 6 Pole Plug and Socket



Busbar Support For Vertical Busbar



Outgoing 3 Pole Plug and Socket with Protection Cover, Ampere: 100A, 160A, 250A, 400A and 630A



Manufacturer :



TEKNIK
KEJURUTERAAN LETRIK
TEKNIK (M) SDN. BHD.
 (Company No. 60122T)

Lot 10, Jalan Halba 16/16, 40000 Shah Alam, Selangor Darul Ehsan, Malaysia.
 Tel: 603-5519 0888 Fax: 603-5519 9333, 5519 0777
 E-Mail: safety@teknik.com.my URL: <http://www.teknik.com.my>

Marketing :



ISA
INDUSTRI SHAH ALAM
SDN. BHD.
 (Company No. 170416U)



Sarawak Electrical Association

Lot 412, (2nd Floor), Lorong 11D,
Off Jalan Ang Cheng Ho, 93700 Kuching, Sarawak.
P. O. Box 1494, 93730 Kuching, Sarawak.
Tel: 6082 - 423 145 Fax: 6082 - 429 011
E-mail: jfchew@pd.jaring.my

Networking

Representatives of Sarawak Electrical Association (SEA) attended the 13th Annual Dinner of Sabah Electrical Association (PES) on 31st January 2010. They were Mr Chai Ngan Luke (Deputy Chairman) and Mr Francis Chew Joon Fah (Honorary Secretary). It was a good networking event for SEA and PES to build closer business cooperation and friendship.



Thank you – (from left) Mr Francis Chew Joon Fah (SEA Honorary Secretary) and Mr Chai Nyan Luke (SEA Deputy Chairman) presenting a souvenir to Mr Woo Soo Poo (PES President).

Sandakan Electrical Engineering Association, Sabah

Block A, Lot No. 1, 2nd Floor, Bandar Tong Huat,
Batu 3, Jalan Utara, 90000 Sandakan, Sabah.
Tel: 6089 - 213 978 Fax: 6089 - 213 978
E-mail: suntronic_sdk@yahoo.com

14th Annual Dinner

The Sandakan Electrical Engineering Association (SEEA) celebrated its 14th anniversary on 30th January 2010. A dinner was successfully held with some 350 members and guests joining the celebration.

SEEA at PES Dinner

SEEA President, Mr Ricky Lim Lip Kee and SEEA Secretary,



Networking – (left) Mr Ricky Lim Lip Kee (SEEA President) with Engr Fu Wing Hoong (TEEAM President).

Mr Donny Wong were in Kota Kinabalu on 31st January 2010 to attend the 13th Annual Dinner of Sabah Electrical Association (PES). It was a great opportunity to warm ties with PES members and to network with counterparts from West Malaysia.



Penang Electrical Merchants' Association

No. 171A, Malacca Street, 10400 Penang.
Tel: 604 - 229 0195 Fax: 604 - 228 4233
E-mail: pema@streamyx.com
Website: www.pema.org.my

TEEAM Council Meeting in Penang

The Penang Electrical Merchants' Association (PEMA) hosted a TEEAM Council Meeting in Penang on 14th November 2009. The TEEAM Council Members expressed their gratitude to PEMA for the warm hospitality. It was a good trip for networking and to foster fellowship.



Souvenir presentation – (2nd from left) Ir Chong Yew Lam (PEMA Honorary Secretary) receiving a souvenir from Engr Fu Wing Hoong (TEEAM President). Looking on are Mr Lee Boon Hoe (PEMA Past President) and (right) Mr Tang Keem Hoong (PEMA Council Member).

Walkathon 2009

The PEMA Walkathon 2009 was successfully held at the Air Itam Dam, Penang on 29th November 2009. The event aimed to foster closer relationship among PEMA members, trustees, advisers, members' employees and families. About 200 participants took part in the event. It was a joyous occasion where all mingled in the spirit of PEMA sportsmanship.



Annual sports event – A group photo taken after the walkathon.

Other State Association Members' contacts:



Negeri Sembilan Electrical Engineering Association

c/o No. 194, Jalan Pantai, 71000 Port Dickson.
Tel: 606-647 1105 Fax: 606-647 4728



Malacca Electrical Contractors and Traders Association

No. 389-G1, Taman Pringgit Jaya,
Jalan Mata Kuching, 75400 Melaka.
Tel: 606 - 283 8688 Fax: 606 - 781 1466

New Series *Metasol* ACB

LS Industrial Systems

New Name of  LG Industrial Systems

LS Industrial Systems introduces an extensive line of automation, control and power distribution products - all designed, manufactured and tested with cutting edge technology to meet extreme environmental conditions and global specification requirements.



Product Overview

LS Industrial Systems has been the market leader for industrial control and automation products in Korea for decades and is now offering these advanced technology products in Malaysia. For information on their complete line of PLCs, AC Inverter drives, HMIs, Motor Control or Switchgear products, please contact our authorized distributors listed below or visit our website at www.lsis.biz



Contactors & Breakers



AC Drives



PLC & HMI

Authorized Distributor:

SUN POWER AUTOMATION SDN BHD (639503-W)

Lot 28242, Kampung Jaya Industrial Area, 47000 Sungai Buloh, Selangor, Malaysia.

Tel: 603-61577555 Fax: 61577666 E-mail: general@sunpowerholdings.com.my



SUN POWER SYSTEM SDN BHD

Leader In Electrics & Automation

Power Transmission & Distribution

LS Cast Resin Transformer



**Capacity (KVA)
Single Phase
20 ~ 2,000KVA**

**Capacity (KVA)
Three Phase
50 ~ 8,000KVA**



**Rated Voltage: Up to 36kV
Rated Frequency: 50, 60 Hz
Conductor: Copper,
Aluminum
Insulation Class: B, F, H**



**Applicable standards:
IEC60076 – 11
ANSIC57.12.01**



**% Impedance Voltage ANSI Standard 5.75%
(Others are available by request) IEC Standard 4 ~ 6.00%**

Authorized Distributor

SUN POWER SYSTEM SDN. BHD.

Lot 28242, Kampung Jaya Industrial Area, 47000 Sungai Buloh, Selangor, Malaysia.

Tel: 603-615 77 555 Fax: 603-615 77 666 E-mail: sun_power_system@yahoo.com

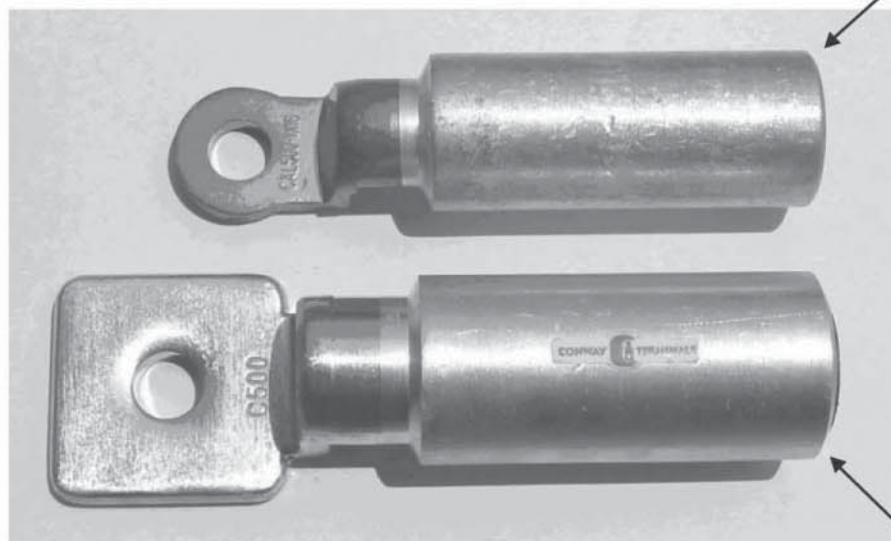
LS Industrial Systems
New Name of  LG Industrial Systems

To Consultants, Engineers, Contractors,
Project Managers, Purchasers

“Towards Safety and Energy Efficient Connection”

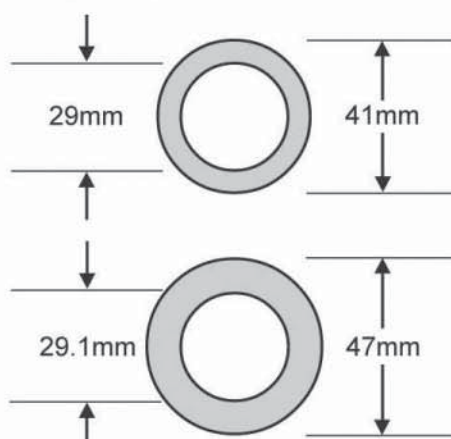
Comparison Between Standard & Non-Standard Bimetal Lug

500mm² Bimetal Lug



Non-Standard Bimetal Lug

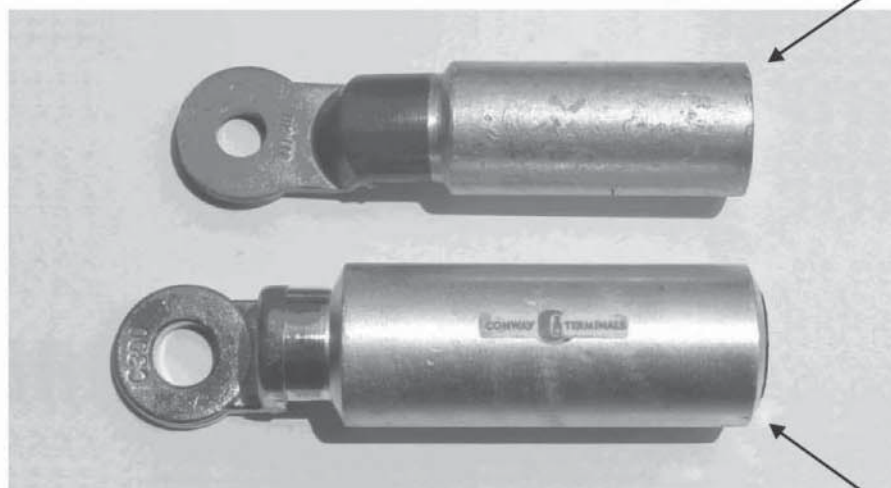
Aluminium Barrel Thickness: 6mm
Weight: 412gram



IEC Standard Bimetal Lug

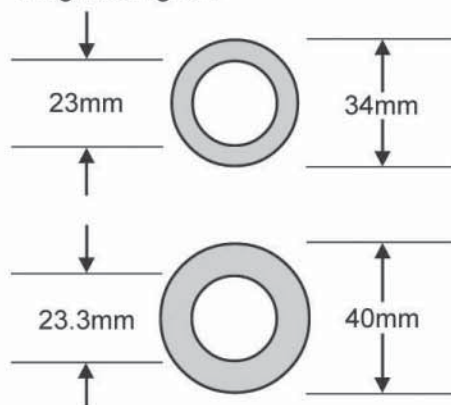
Aluminium Barrel Thickness: 8.95mm
Weight: 823gram

300mm² Bimetal Lug



Non-Standard Bimetal Lug

Aluminium Barrel Thickness: 5.5mm
Weight: 317gram



IEC Standard Bimetal Lug

Aluminium Barrel Thickness: 8.35mm
Weight: 411gram



For more information, please contact us at:

CONWAY TERMINALS MANUFACTURER SDN. BHD. (049613 U)

Lot 1298, Jalan Bukit Kemuning, 42450 Klang, Selangor, Malaysia

Tel: + 603-5122 1223/ 1068 Fax: + 603-5121 1109

E-mail: ctm@conway.com.my Website: www.conway.com.my