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DISTRIBUTION BOARDS
CIRCUIT BREAKER BOXES
LV SWITCHGEAR ASSEMBLIES

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Cable Construction Course

A 4-day technical training course on Construction of Medium Voltage Power Cable & Cable Accessories was successfully held from 6th to 9th October 2009 at ILSAS (TNB Integrated Solution Sdn Bhd). The training course was organised by the Association for Overseas Technical Scholarship, Japan and implemented by Japan Power Cable Accessories Association with the cooperation of Tenaga Nasional Berhad and TEEAM. The course was brought back after seven years of break. It was held consecutively for four years since 1999.

The course trains personnel to manage the construction of medium voltage power cable especially for the distribution system. Course participants were equipped with knowledge on construction management of cable project, protection & maintenance for distribution line, cable installation, cable accessories assembly and hands-on session.

TEEAM President, Engr Fu Wing Hoong in his opening speech highlighted that power cable forms the backbone of a power distribution system and they must be managed efficiently. The distribution system in Malaysia uses a large number of underground cable circuits. The number of cable faults due to poor jointing has prompted improvement in the application of good and well proven jointing and termination accessories.

In his keynote address, Dr Abu Hanifah Azit (Chief Engineer of Engineering Services, Distribution Division of Tenaga Nasional Berhad) congratulated JCAA for its efforts to bring the know-how from Japan and make Malaysian personnel more knowledgeable. The training course enabled participants to analyse preventive and protection methods to minimise cable failures. Customers demand greater supply reliability and better supply quality. As a supplier, TNBD has to satisfy the need and even exceed to delight them. He said Malaysia has to emulate the model of commitment and cooperation as shown by the Japanese counterpart. A lot of power interruption occurs due to cable failures such as design of cables, cable accessories and handling of cables. As such, the training was a good opportunity to learn new know-how.



Attentive learning process – Every participant concentrating during the practical training session.



Opening ceremony – (left) Engr Fu Wing Hoong (TEEAM President) delivering his speech. Looking on are (from left) Mr Masaaki Kondo (Senior Managing Director of JCAA), Dr Abu Hanifah Azit (Chief Engineer of Engineering Services, Distribution Division of TNB) and Ms Anne Chong (Assistant General Manager of AOTS KL Office).



Q&A session – (from left) Trainers: Mr Hiroyuki Kakinuma (Kandenko Co., Ltd), Mr Yoshio Denda (Kandenko Co., Ltd), Mr Abdul Razak Mohamed Noor (Interpreter) and trainer, Mr Shoji Suzuki (EXSYM Corporation).



Rapport with trainers – Participants from TNB posing with the trainers.



Invited Speaker from TNB – Ir Mohd Faris Ariffin (Technical Expert, Overhead Line System Design & Performance - Engineering Services Unit, Distribution Division, TNB) delivering his paper entitled "An Overview of Malaysia's Electricity System".



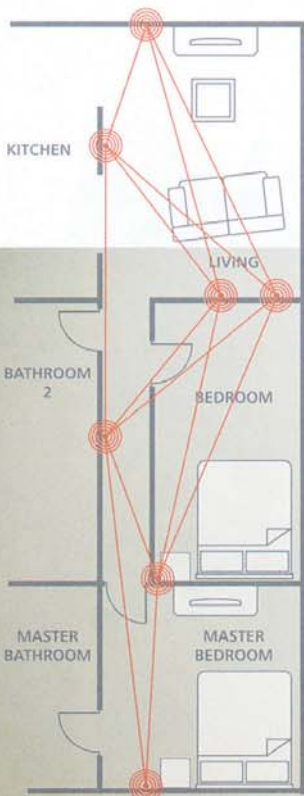
During lecture – A cross view of the course participants.



Cheese! – A group photo for the album.

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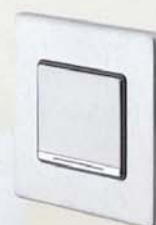
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Meeting with MPC

Malaysia Productivity Corporation (MPC) held a meeting with TEEAM officials on 26th August 2009 at TEEAM. Representatives from MPC Public Sector Benchmarking Unit of Best Practices Management Division are Mr Daud Talib (Senior Manager) and consultants: Ms Nazahiah Mohamad and Ms Nur Faizah Tasman.

On hand to receive them were Ir Steven Ng Khoon Hwa (Deputy President), Vice Presidents: Ir Chew Shee Fuee, Mr Yap Ching Kiat and Engr Leong Kam Seng, and Mr Ho Khai Hong (Honorary Secretary).

The objective of the meeting was to brief TEEAM on MPC's intention to develop a Malaysia Benchmarking Index (MBI). MPC hopes to have the support of TEEAM in developing the MBI.

MBI is a business-focused performance diagnostic tool that not only allows company to react to market developments, but also allow reader to anticipate them. MBI provides knowledge and foresight to spot weaknesses and opportunities. It is one of the benchmarking tools designed to help companies to improve their performance and develop their competitive advantage.

It is an extensive benchmarking resource to help improve the competitiveness and profitability



Representatives from MPC – (from left) Mr Daud Talib (Senior Manager), Ms Nur Faizah Tasman (Consultant) and Ms Nazahiah Mohamad (Consultant).



Representatives from TEEAM – (from left) Mr Ho Khai Hong (Honorary Secretary), Engr Leong Kam Seng (Vice President), Ir Chew Shee Fuee (Vice President), Mr Yap Ching Kiat (Vice President) and Ir Steven Ng Khoon Hwa (Deputy President).

of business especially for small and medium-sized enterprises (SMEs). MBI builds on the MPC benchmarking methodology and best practices management, drawing on the experience of its partners in Fraunhofer Institute, Germany and the Benchmarking Index in UK. MBI allows companies to compare their performance worldwide using financial and management key performance.

Company taking part in MBI will be provided with a benchmarking report. This report

compares its performance with that of a chosen sample of companies and presents graphically and focuses on the financial, customer, learning and growth and internal process aspects. Analysis from the report will provide the basis for companies to initiate review on strategies, setting of business goals, developing and validating business strategies or prioritising action for continuous improvement. It allows company to benchmark their company's performance locally and internationally. The whole exercise should be considered as a continuous process of improvement that provides the catalyst for strategic development and improved performance.

MBI helps companies to track business performance which relates to providing assessments on their key performance drivers and facilitates in formulating strategic business decision; to encourage company to stretch themselves and subsequently increase profitability, productivity and competitiveness; and to explore new opportunities for growth.

TEEAM welcomes MPC's intention to develop the MBI and the association looks forward to building a strong working relationship with MPC.



Construction Projects Awarded by Status of Contractors and Project Category (as of June 2009)

Project Category	Total Number of Projects	Total Project Value (RM million)	Local Contractors				Foreign Contractors			
			Government Projects		Private Projects		Government Projects		Private Projects	
			Number	Value (RM million)	Number	Value (RM million)	Number	Value (RM million)	Number	Value (RM million)
2008	5,961	78,548.07	2,522	31,550.91	3,374	42,439.30	2	2,219.00	63	2,338.86
Residential	1,342	15,524.02	223	1,835.95	1,112	13,085.01	-	-	7	603.06
Non Residential	1,954	21,646.73	517	5,217.88	1,384	15,362.28	1	19.00	52	1,047.57
Mix Development	17	1,196.22	-	-	17	1,196.22	-	-	-	-
Social Amenities	1,178	19,604.84	1,007	15,446.63	169	3,540.22	-	-	2	617.99
Infrastructure	1,434	20,478.53	761	9,014.05	670	9,194.24	1	2,200.00	2	70.24
Others	36	97.73	14	36.40	22	61.33	-	-	-	-
2009	1,670	18,989.63	815	9,623.68	845	7,331.26	1	1,313.99	9	720.70
Residential	346	2,923.31	52	635.55	293	2,268.15	-	-	1	19.61
Non Residential	451	6,527.59	118	1,890.99	326	3,943.08	-	-	7	693.52
Mix Development	-	-	-	-	-	-	-	-	-	-
Social Amenities	491	5,070.33	442	4,687.92	49	382.41	-	-	-	-
Infrastructure	370	4,440.05	200	2,395.99	168	722.50	1	1,313.99	1	7.57
Others	12	28.35	3	13.23	9	15.12	-	-	-	-

Source: Construction Quarterly Statistical Bulletin published by Construction Industry Development Board Malaysia.



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QUICK FACTS

EXHIBITION FIGURES

- 5 Day Exhibition
- 60,000 Sq.m. Expo Area
- Over 1,000 Exhibitors
- 50,000 Business Visitors

PARTICIPANT SEGMENTS

EXHIBITORS

- 125** Cable, Conductors & Winding Wires
- 94** Electrical/Electronics Components
- 125** Switchgear & Controlgear Equipments
- 83** Transformers

- 60** Insulating Materials & Insulators
- 125** Testing & Measuring Instruments
- 60** Industrial Controls & Automation Systems
- 30** Lighting & Accessories

- 50** Generators & Motors
- 50** Power Electronics
- 42** Design & Consultancy
- 198** Engg. & Other products

FACILITIES AT ELEC RAMA-2010



APPOINTMENTS



TRAVEL PACKAGES



SECURITY



HOSPITALITY



SEMINARS



WEB REGISTRATION



The Organising Committee of Elecrama 2010 organised a road show in Kuala Lumpur on 23rd October 2009 to promote the largest Asian exhibition for the electrical and electronics industry, Elecrama 2010. It is organised by the Indian Electrical & Electronics Manufacturers' Association (IEEMA) and is scheduled to be held from 20th to 24th January 2010 in Mumbai, India.

With over 50,000 sqm of exhibition space and more than 500 exhibitors from all over the world, Elecrama is set to be the biggest forum for convergence of trade and users of the electrical and electronics industry. It is anticipated that over 50,000 trade visitors will be visiting the exhibition.

Elecrama 2010 provides some of the most comprehensive platforms for discussion and presentation on what's the cutting edge in today's technology. A number of conferences and seminars on various aspects of the power sectors will be held concurrently during the exhibition.



Roadshow – A powerpoint presentation on Elecrama 2010.

His Excellency B N Reddy, Acting High Commissioner of the Indian High Commission, Kuala Lumpur was present to give a keynote address at the promotion road show. TEEAM showed strong support with the presence of some twenty members.

TEEAM is participating as an exhibitor and will be organising a delegation to the exhibition. Members who are keen to join the visit may contact the Secretariat for details. The event capped off with a sumptuous hi-tea. More details on Elecrama 2010 can be seen online at www.elecrama.com.



VIPs – (from left) Mr Suresh Kumar Gorasia (TEEAM Past President), H. E. B N Reddy (Acting High Commissioner, High Commission of India, Kuala Lumpur), Mr Raj Eswaran (Organising Chairman of Elecrama 2010) and Engr Fu Wing Hoong (TEEAM President).



Support from TEEAM – (from left) Mr Jack Soon Lee Hock (TEEAM Assistant Honorary Secretary), Mr Yap Ching Kiat (TEEAM Vice President), Mr Raj Eswaran (Organising Chairman of Elecrama 2010), Engr Fu Wing Hoong (TEEAM President) and Mr Tan Eng Liang (TEEAM Council Member).



Networking – (seated from left) Mr Chong Yoon Koon (TEEAM Council Member), TNB Distribution Officials: Ir Mohd Faris Ariffi and Ms Jazimah Abdul Hameed, and Zuraina Zamri of CIRED Malaysia. (standing from left) Mr Jack Soon Lee Hock (TEEAM Assistant Honorary Secretary) and Mr Simon Leong Kien Khan (TEEAM Council Member).



Building friendship – (seated from left) Mr Azhar (MTM), Mr John Lee Sweet Tian (IPSH) and Ms Theresa D' Silva (AM SGB). (standing from left) Ms Winnie Khong (TEEAM Executive Secretary), Engr Leong Kam Seng (TEEAM Vice President), Mr Raj Eswaran (Organising Chairman of Elecrama 2010), Mr Sunil More (IEEMA Director General) and Mr Suresh Kumar Gorasia (TEEAM Past President).



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Bangkok RHVAC and E&E 2009

Reported by Ir Chew Shee Fuee, TEEAM Vice President and Editor of Suara TEEAM.

The biennial trade fair, Bangkok RHVAC 2009 is the 7th Bangkok Refrigeration, Heating, Ventilation, and Air-Conditioning 2009 while Bangkok E&E 2009 is the 3rd Bangkok Electric and Electronics 2009.

The above two fairs were organised by The Department of Export Promotion (DEP), Ministry of Commerce and Royal Thai Government Office of Trade Fair Activities. Being the Editor for Suara TEEAM, I was invited for both the events as a Press Delegate. Other Press Delegates are from Japan, Vietnam, South Africa, UAE and South America.

The fair duration was from 7th to 11th October 2009 and the venue was Impact Arena Exhibition and Convention Center, Muang Thong Thani, Nonthaburi, Thailand.

Bangkok RHVAC 2009

The fair was coorganised by The Air Conditioning and Refrigeration Industry Club and The Federation of Thai Industries, and was supported by:

- Thai Refrigeration Association
- Air Conditioning Engineering Association of Thailand
- Thai Industrial Standards Institute, Ministry of Industry
- Department of Industrial Promotion, Ministry of Industry
- Electricity Generating Authority of Thailand
- ASHRAE Thailand Chapter

Bangkok E&E 2009

The fair was coorganised by The Electrical, Electronics and Allied Industry Club and The Federation of Thai Industries, and was supported by:

- Air Conditioning Engineering Association of Thailand
- Thai Refrigeration Association
- Thai Industrial Standards Institute, Ministry of Industry
- Department of Industrial Promotion, Ministry of Industry



Business Meeting – Exhibitors having discussion at the lounge with prospective buyers.



Opening ceremony – The light-on ceremony of the RHVAC and E&E 2009 was presided over by (centre) DEP Director-General, Mr Rachane Potjanasuntorn.



Aerial view of the hall – The exhibition attracted local and overseas buyers.

- Electricity Generating Authority of Thailand
- Electrical and Electronics Institute

The Thai Government has classified air-conditioners and their spare parts as one of the country's strategic economic products. The export value was USD 2.531B in 2008. As for the Electric and Electronics Industry, it is undoubtedly one of Thailand's core economic machines which generate over USD 49.287B in 2008.

Both the events brought in a total of 250 companies occupying 650 booths over 15,000 sqm of exhibition area. Seminars and talks

were arranged in the halls around the exhibition and convention centre.

We were also given the opportunity to visit three local companies. They were:

- Bitwise (Thailand) Co, Ltd - Leading Air-Conditioning Factory
- Songserm Cooling Industry - Leading Refrigeration Factory
- Banchong Mitr Co, Ltd - Leading Electric and Electronic Factory

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Bowling Tournament 2009

On 25th October 2009, TEEAM held its annual Bowling Tournament at Sunway Pyramid Mega Lanes, Sunway Pyramid Shopping Centre, Selangor. The response was overwhelming and it is by far the largest turnout, with Total 93 male bowlers and 36 lady bowlers.

The participating companies included City-Lite Letrik, Chi-Tak Electrical (Sel), EITA, Gemilite, Lotus Power, Indkom Engineering, KVC, Letrik P J Union, Megalux, Omron, SBS, Seng Electric, Straits Design, Success, Sunway Engineering, Systematic and Tenaga Poly.

The mode of play for Men's Singles was six game pinfalls and for Ladies' Singles four game pinfalls. There were twenty prizes offered for Men's event and eleven prizes offered for Ladies' event. The Sports Chairman, Mr Liang Kok Boon extended his appreciation to the sponsors, namely Chi-Tak Electrical (Sel), Mega Mayang M&E and Omron Electronics. The winners' list is announced on page 51.



Overwhelming response – 129 bowlers vied for the Championship.



Checking results – Bowlers anxiously looking at the results.



Support from Success – Strong contingent from Success.



Getting ready – Bowlers concentrating on the game.



Cheerio! – A group photo taken after the game.



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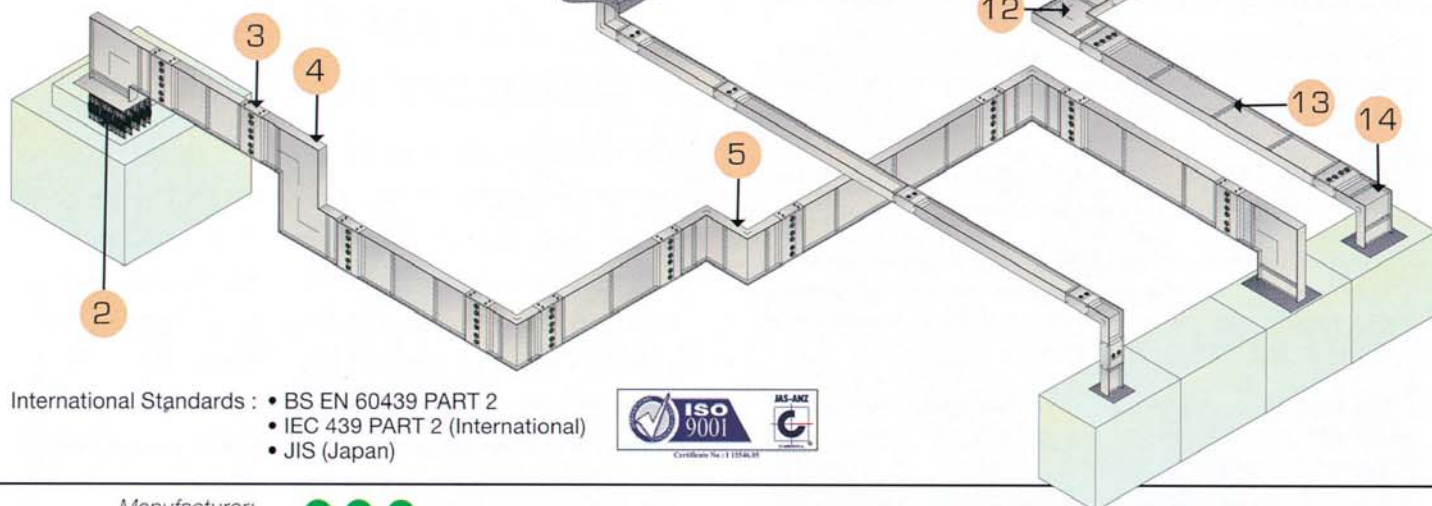
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| 4. Vertical Offset | 12. Vertical Elbow |
| 5. Horizontal Offset | 13. Feeder |
| 6. Vertical Rigid Hanger | 14. Horizontal Elbow |
| 7. Plug In Unit | 15. Flanged End |
| 8. Vertical Spring Hanger | |



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• IEC 439 PART 2 (International)
• JIS (Japan)



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..... Continue Bowling Tournament 2009



Men's Champion – Mr Norris Borharuddin Nordin of Sunway Engineering holding the Chi-Tak Challenge trophy and replica for the album. He scored 1073 pins and received an Omron Automatic Blood Pressure Monitor from Engr Fu Wing Hoong (TEEAM President).



Ladies' Champion – Ms Alice Cheng Soon Kwong of Seng Electric is the Ladies' Champion this year. She scored 627 pins and received the Challenge Chi-Tak Trophy and an Omron Automatic Blood Pressure Monitor from Ir Steven Ng Khoon Hwa (TEEAM Deputy President).



Men's Event 8th Prize Winner – (left) Mr Chan Hong Keong of Systematic receiving a cash voucher from Mr Suresh Kumar Gorasia (TEEAM Past President). He scored 944 pins.



Special Prize of High Games – (left) Mr Shukri Omar of Omron receiving a Fuji Bath Towel from Mr Yap Ching Kiat (TEEAM Vice President). He scored 250 pins.



Special Prize of High Series – Ms Janet Siew of Megalux receiving a Fuji Bath Towel from Mr Liang Kok Boon (Sports Chairman). She scored 248 pins.



Winners – A group photo with TEEAM officials for the album.

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Congratulations to Our Bowlers

Men's Singles Event

Champion

Norris Borharuddin Nordin
Sunway Engineering Sdn Bhd
*Chi-Tak Challenge Trophy + Replica +
Omron Automatic Blood Pressure Monitor*

2nd Prize

Alias Ahmat
Indkom Engineering Sdn Bhd
*Trophy + Jaya Jusco Cash Voucher of
RM250.00*

3rd Prize

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

4th Prize

Mohd Sofie Hassan
Sunway Engineering Sdn Bhd
Jaya Jusco Cash Voucher of RM150.00

5th Prize

Shukri Omar
Omron Electronics Sdn Bhd
Jaya Jusco Cash Voucher of RM120.00

6th Prize

Jordan Tan Soo Lee
Success Electronics & Transformer
Manufacturer Sdn Bhd
Jaya Jusco Cash Voucher of RM100.00

7th Prize

Gan Yee Kuang
KVC Industrial Supplies Sdn Bhd
Jaya Jusco Cash Voucher of RM80.00

8th Prize

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

9th Prize

Pan Kin Yew
Success Electronics & Transformer
Manufacturer Sdn Bhd
Jaya Jusco Cash Voucher of RM60.00

10th Prize

Jack Soon Lee Hock
SBS Elektrik Sdn Bhd
Jaya Jusco Cash Voucher of RM60.00

High Games

Shukri Omar
Omron Electronics Sdn Bhd
Fuji Bath Towel

High Series (Game 1,2,3)

Yeong Yihao
EITA Electric Sdn Bhd
Fuji Bath Towel

High Series (Game 4,5,6)

Ajah Maidien Mohd Ajan
Sunway Engineering Sdn Bhd
Fuji Bath Towel

20th Position

Mohd Azrol Marwi
EITA Electric Sdn Bhd
Tractors Umbrella

30th Position

Mohd Fadir Wahab
EITA Electric Sdn Bhd
Tractors Umbrella

40th Position

C V Liew
EITA Electric Sdn Bhd
Tractors Umbrella

50th Position

Ho Wen Da
City-Lite Letrik Sdn Bhd
Tractors Umbrella

60th Position

Zamri Saleh
Chi-Tak Electrical (Sel) Sdn Bhd
Tractors Umbrella

70th Position

Yap Ching Kiat
Straits Design Sdn Bhd
Tractors Umbrella

80th Position

Chong Hong Wei
Success Electronics & Transformer
Manufacturer Sdn Bhd
Tractors Umbrella

Ladies' Singles Event

Champion

Alice Cheng Soon Kwong
Seng Electric Co (M) Sdn Bhd
*Chi-Tak Challenge Trophy + Replica +
Omron Automatic Blood Pressure Monitor*

2nd Prize

Josie Wong
City-Lite Letrik Sdn Bhd
*Trophy + Jaya Jusco Cash Voucher of
RM250.00*

3rd Prize

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

4th Prize

Jariah Juraimi
Lotus Power Corporation (M) Sdn Bhd
Jaya Jusco Cash Voucher of RM100.00

5th Prize

Yong Sim Min
Omron Electronics Sdn Bhd
Jaya Jusco Cash Voucher of RM80.00

High Games

Alice Cheng Soon Kwong
Seng Electric Co (M) Sdn Bhd
Fuji Bath Towel

High Series (Game 1,2)

Noryuszalina Yusop
EITA Electric Sdn Bhd
Fuji Bath Towel

High Series (Game 3,4)

Janet Siew
Megalux Lightings Sdn Bhd
Fuji Bath Towel

10th Position

Aminah
EITA Electric Sdn Bhd
Tractors Umbrella

20th Position

Angel Yau Giok Yong
Success Electronics & Transformer
Manufacturer Sdn Bhd
Tractors Umbrella

30th Position

Noor Aina Termizi
Success Electronics & Transformer
Manufacturer Sdn Bhd
Tractors Umbrella

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 - Large LCD display
 - Blue backlit
- > Plug & display modules
 - Communications
 - Alarms
 - Analogues and digitals inputs / outputs
 - Memorization
 - Harmonics (spectral analysis)
- > Easy to install
 - Compact 96 x 96 x 60 mm
 - Test connection function
 - Simple fixing using retaining clips
 - Easy-to-use terminal blocks for fast cabling

Your contact



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 40000 SHAH ALAM, SELANGOR DARUL EHSAN - MALAYSIA
 Tel: 603-5638 1166 (5 lines) - Fax: 603-5637 2766
 E-mail: controls@streamyx.com

MULTI-FUNCTION METER



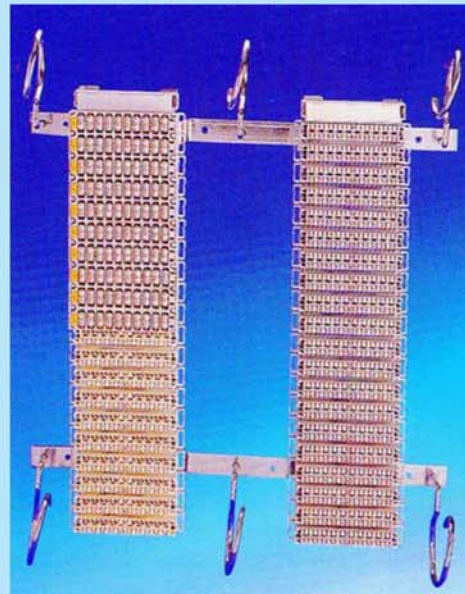
The Connecting People



2 Vertical 600 pairs
Floor Standing Frame



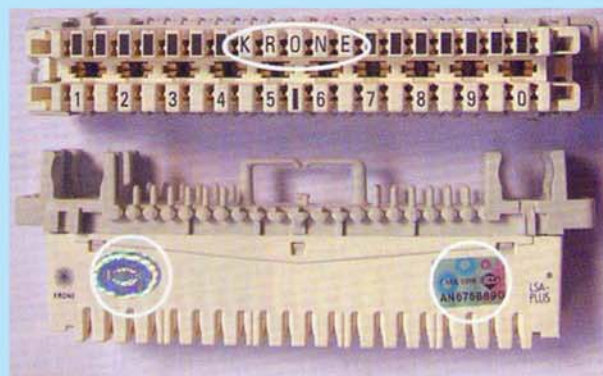
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2 Vertical
Wall mounting frame for 100pairs to 300 pairs



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(Co. No: 57156-X)

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Off Jalan Pudu, 55100 Kuala Lumpur, Malaysia.
Tel: 603-2141 7518 Fax: 603-2148 0518
e-mail: etags@tm.net.my

Press Conference

On 5th September 2009, TEEAM held a press conference on electrical safety concerning installation of instant electrical water heaters and air-conditioners. Present at the press conference was Engr Fu Wing Hoong (President), Ir Steven Ng Khoon Hwa (Deputy President), Ir Chew Shee Fuee (Vice President), Mr Jack Soon Lee Hock (Assistant Honorary Secretary) and Mr Dahari Mat Siran (Council Member). Ir Ahmad Fauzi Hasan (Suruhanjaya Tenaga, ST Chief Operating Officer) was also invited to present his views.

The aim is to inform the public on proper installation of instant electrical water heater and air-conditioner.

Instant electrical water heaters are commonly used in Malaysian households. It is a convenient and effective way of providing a hot shower. The usage of instant electrical water heater is safe if all necessary requirements in the installation are properly carried out. Electrical protection devices ensure the disconnection of a defective heater in the event of an electrical fault.

There had been cases of fatal electrocution caused by instant electrical water heaters. The affected units were found to have defects in their wiring. The electrical wiring system of a normal house if properly installed will have sufficient safety features to prevent electrocution and fires. On the contrary when wiring is not carried out by competent and licensed electrical personnel there is a danger that protection of the electrical system becomes defective and therefore will endanger the person using the water heater. Proper wiring, application of protective device and sufficient earthing will ensure the safe use of instant electric water heater.

To further reduce the risk of electrocution, the new Malaysian Standard MS-IEC



At the press conference – (from left) Mr Dahari Mat Siran (Council Member), Ir Steven Ng Khoon Hwa (TEEAM Deputy President), Ir Ahmad Fauzi Hasan (ST Chief Operating Officer), Engr Fu Wing Hoong (TEEAM President), Ir Chew Shee Fuee (TEEAM Vice President) and Mr Jack Soon Lee Hock (Assistant Honorary Secretary).

60335-2-35:2009 MOD stipulates that both the outlet hose and the shower head be made of non-conductive material.

As to air-conditioners they are no longer considered as luxurious items and are commonly used in homes and offices. In the installation of air-conditioners, the application of correct cables with sufficient current ratings are vital and necessary.

Cables are available with many different current carrying capacities. The correct sizing of these cables is to be carried out by competent persons. In the case when undersized cables are used there is an imminent danger of fire. When cables are undersized the current in the circuit will cause heating that will eventually burn the cable. The burning of cable will cause a fire that may endanger the people and the building.

TEEAM also took the opportunity to highlight foreign worker issue to the press. Most factories are intentionally or relocated in the outskirts to be nearer to the workers source ie the surrounding villages. However, new industrial estates are often off the existing

public transport route resulting in not able to attract workers from the surrounding villages.

It would seem that the transport problem is not a KL problem alone but nationwide. TEEAM hopes that providing public transport connecting the surrounding villages to new industrial park will help to alleviate a little on over reliance on foreign workers. This will also help to solve some social problem as a result of unemployment of village youths.

30 years back, 85% of students after Form Five went into the job market, 15% to Form Six and finally 7.5% to university. Now, 85% goes for post-SPM studies for an average of five more years. This removes about two million SPM educated from the workforce. Malaysia will therefore need to have this replaced with foreign workers until our industries have reached the sale volume that will automatically lead them to automate their processes. TEEAM estimates this will take another 15 - 20 years. The Government must be mindful that the industry will need time to eventually automate as automation will require skilled workers which Malaysia is also facing serious shortage because training of such skilled workers will also take time.



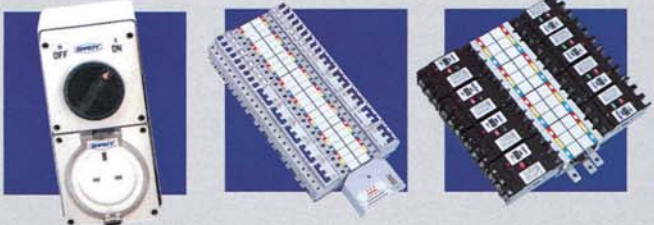
Construction Projects Awarded by Type of Work and Project Category (as of June 2009)

Project Category	Total Number of Projects	Total Project Value (RM million)	Type of Work											
			New Project		Upgrading		Expansion		Maintenance		Repair		Renovation	
			Number	Value (RM million)	Number	Value (RM million)	Number	Value (RM million)	Number	Value (RM million)	Number	Value (RM million)	Number	Value (RM million)
2008	5,961	78,548.06	4,450	66,579.08	508	5,062.21	278	3,609.22	230	1,221.26	239	1,073.45	256	1,002.84
Residential	1,342	15,524.03	1,271	14,691.54	14	505.48	7	182.23	13	55.94	13	22.28	24	66.56
Non Residential	1,954	21,646.72	1,430	18,834.87	101	651.10	102	1,151.66	86	287.15	48	94.46	187	627.48
Mix Development	17	1,196.22	17	1,196.22	-	-	-	-	-	-	-	-	-	-
Social Amenities	1,178	19,604.83	792	16,233.79	152	1,456.16	144	1,376.81	22	234.27	30	91.06	38	212.74
Infrastructure	1,434	20,478.53	909	15,534.70	239	2,444.27	25	898.52	106	639.33	148	865.65	7	96.06
Others	36	97.73	31	87.96	2	5.20	-	-	3	4.57	-	-	-	-
2009	1,670	18,989.62	1,057	15,569.65	260	1,678.92	178	932.74	32	220.99	81	429.09	62	158.23
Residential	346	2,923.30	316	2,706.21	5	135.96	2	1.63	3	3.53	19	74.42	1	1.55
Non Residential	451	6,527.60	341	6,035.62	27	142.75	34	149.73	4	13.57	10	76.55	35	109.38
Mix Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Social Amenities	491	5,070.32	178	3,363.93	140	768.31	132	674.53	9	146.52	10	81.99	22	35.04
Infrastructure	370	4,440.05	210	3,435.54	88	631.90	10	106.85	16	57.37	42	196.13	4	12.26
Others	12	28.35	12	28.35	-	-	-	-	-	-	-	-	-	-

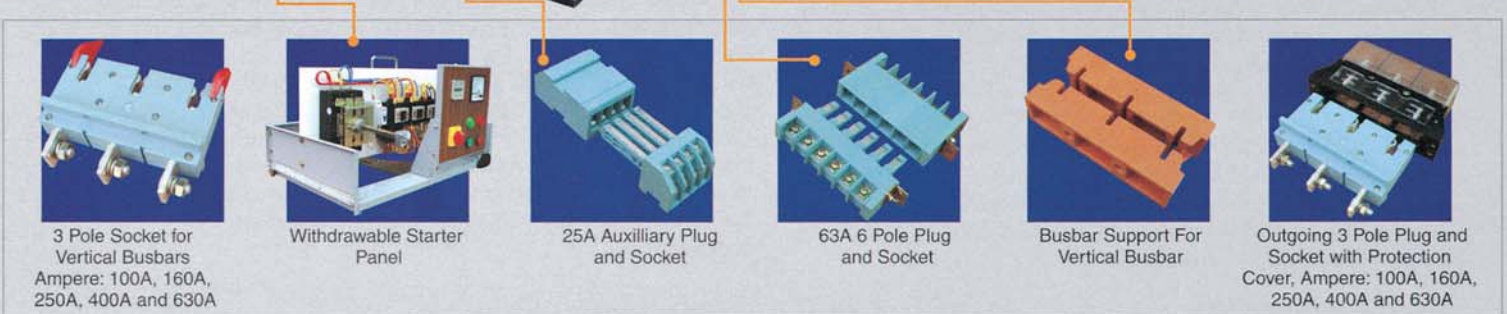
Source: Construction Quarterly Statistical Bulletin published by Construction Industry Development Board Malaysia.



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 (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)

Medium Voltage Industry Seminar

On 30th July 2009, a seminar on Medium Voltage (MV) Industry was held at Holiday Inn Glenmarie, Subang Jaya. It was organised by EPLAN Competence Centre South East Asia (ECCSEA). The seminar was held in collaboration with TEEAM, The Institution of Engineers Malaysia (IEM) and ABB Malaysia Sdn Bhd. The seminar attracted full support from the industry with an overwhelming turnout of more than 150 participants from various backgrounds, ranging from certified electrical consultants, engineers to project directors from various power generation and transmission companies. The seminar offers a wealth of industry information, latest application standards and reports.

This 1-day seminar was designed to provide the basic understanding and the knowledge necessary to properly design, install, maintain or inspect MV equipment. Participants were introduced to precautionary methods, safety procedures and levels of personal protective equipment required when exposed to live parts at the applicable voltage level. The professional industrialists shared their experience and knowledge from the product standpoint, safety terminology and the electrical design standard for the MV industry.

Engr Mohamed Fuad Faisal, Senior Technical Expert from Tenaga Nasional Berhad shared



Overwhelming response – Some 170 participants attended the seminar.

his view and knowledge on PQ Mitigation for the Electrical Supply Industry. He advocated the floor on the PQ standards and solutions and the cost impact of poor PQ. An action plan for PQ mitigation was also highlighted in his presentation.

The second session centred on the latest influential design guidelines and technologies from Mr Anders Karlsson, Professional Technical Consultant from EPLAN Software & Service GmbH, with the theme “Global Design Standard in the MV Industry”. He stressed on the importance of optimisation and integration of the right design standard for a complete workflow in an organisation. Multiple examples and features were demonstrated and participants had an eye-opening experience with the technology.

The third round of seminar topic saw the presentation on “Enhanced Safety and

Protection Features of MV Switchgears” by Ir Ten Sing Chyuan from ABB Malaysia Sdn Bhd. Ir Ten began his presentation with the definition and classification of MV Switchgears. Within his presentation, he enlightened the floor on the new aspects of switchgears designs introduced in IEC standard and the complete revision of design rules concerning internal arc flash. Application guidelines on overvoltage protection were provided to all participants for further reference.

In spite of the information packed seminar, the seminar floor was also bustling with activities such as lucky draw session. Three lucky individuals of the day walked away with exciting prizes such as colour printer, digital webcam and ADSL modem. Congratulations to all lucky winners!

Apart from industry updates, the day was filled with live product demonstration for participants’ better understanding of the latest technology in the industry. Within the framework of their own booth, institution, association and switchgear manufacturers took the opportunity to provide insights into their activities and development of products and services.

The event obtained splendid responses from all participants as they were exposed to healthy sharing of industry technology and market knowledge from the speakers.



Token of appreciation – (right) Ir Chew Shee Fuee (TEEAM Vice President) receiving a plaque from Mr Mak Jyh Yoong (EPLAN Sales Director South East Asia) for TEEAM’s support and participation in the event.



Mini exhibition – Participants overwhelmed with the exhibits on display by TEEAM, EPLAN, ABB and IEM.



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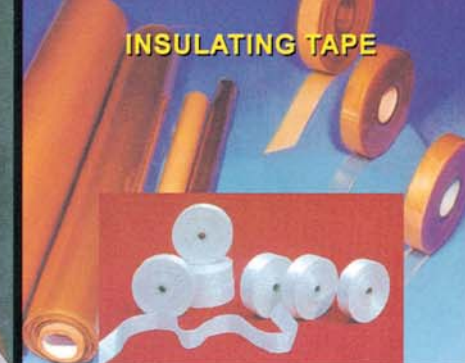


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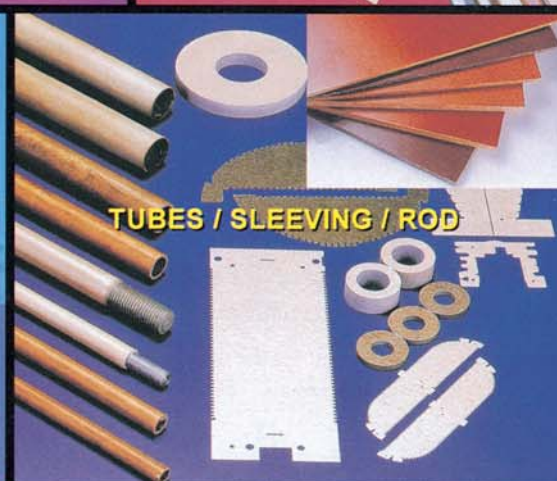
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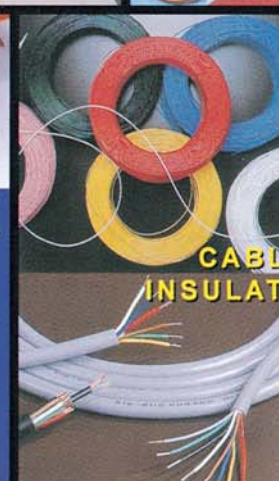
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TEEAM Specialised Group - Manufacturing

By the Chairman, Mr Yap Ching Kiat.

The manufacturing group has deliberated on the frequently raised issues and matters that have hindered the progress of local manufacturers of electrical and electronics products to be a major exporter. These matters are discussed with the various related Ministries and response to our requests has been positive. To resolve these issues, we have to do things differently, otherwise we will continue to get the same result, NO ACTIONS.

As we have put the groundwork in place, the manufacturing group members must also play their part to participate actively to see the fruits of our efforts ie to make you become a major global player in time to come. The following activities need your immediate attention and participation:

Market Surveillance

The repetitive issue is about enforcement of non-compliant products that is widely available in our market. Non-compliant products do not necessarily mean sub-quality products though majority are. This will affect our local manufacturers who have to comply with the regulation strictly. Therefore, it is in their interest to help ensure all imported products are complying strictly to the regulation to ensure fair competition.

We are also mindful that sometimes the enforcement officer of ST (Energy Commission) may be unable to recognise electrical products that fall under the 'controlled items' group. Our members are therefore in the best position to provide the correct information. As such TEEAM invites all local manufacturers of 'regulated products' to form market surveillance task force under the manufacturing group to help in the enforcement of regulation. Currently, we already have one task force on MICBs set-up together with ASAFEE (Association of Suppliers Against Fake Electrical Equipment) members. Please check with the Secretariat for more information in the set up of these task forces.

SIRIM Technical Committee and Working Group

Below is the list of Technical Committees and Working Groups that TEEAM is represented. We hope that manufacturing members will take this opportunity to represent TEEAM in the committees for your interest and to drive your industry forward. Please call the Secretariat for more information.

- 1) Technical Committee on Electromagnetic Compatibility (EMC)
- 2) Technical Committee on Generation, Conversion, Transformation and Storage of Electrical Energy
- 3) Technical Committee on Lighting, Lamps and Accessories
- 4) Technical Committee on Safety of Household and Similar Electrical Appliances
- 5) Technical Committee on Switchgears, Controlgears and Wiring Accessories
- 6) Technical Committee on Power Quality
- 7) Technical Committee on Energy Management
- 8) Technical Committee on Electrical Apparatus for Explosive Atmospheres
- 9) Technical Committee on Ecolabelling Criteria
- 10) Technical Committee on Dependability
- 11) Technical Committee on Environment Standardisation for Electrical and Electronic Products and Systems
- 12) Technical Committee on High Voltage Power Transmission
- 13) Technical Committee on Low Voltage Transformer and Storage of Electrical Energy

- 14) Working Group on Cable Management Systems, Conduit & Conduit Fittings for Electrical Installations
- 15) Working Group on High Voltage Switchgear, Controlgear and Assemblies
- 16) Working Group on Low Voltage Switchgear & Controlgear Assemblies
- 17) Working Group on Rotating Machinery
- 18) Working Group on Solar Photovoltaic Systems
- 19) Working Group on Standardisation of Environmental Classes for Electrotechnical Facilities
- 20) Working Group on Emergency Lighting
- 21) Working Group on Road Lighting
- 22) Working Group on Welding Equipment
- 23) Working Group on Boxes & Enclosures for Electrical Accessories for Household
- 24) Working Group on Lightning Protection
- 25) Working Group on Electrical Measuring Instruments and their Accessories
- 26) Working Group on CISPR-IEC
- 27) Working Group on Electrical Speed Drive
- 28) Working Group on Functional Safety of Electrical / Electronic / Programmable Electronic Safety related System

Mandatory Standards

In most developed countries, products entering their need to pass mandatory standards, following which the product would carry certain markings such as CE (abbreviation of French phrase "Conformité Européene" which literally means "European Conformity") or UL (Underwriters Laboratories) markings to ensure that products entering their market are of quality and suitable for their market.

TEEAM noted that many products meeting IEC standards or EN (European Norm) requirements are not performing to expectation in terms of reliability or meet the specified rated life. On further study, it is noted that European requirement is for operation in an ambient temperature of 25°C and humidity is seldom mentioned. However in tropical areas, the 25°C is often exceeded causing rated life to be substantially lowered.

From here, it is clear that we will need to have Mandatory Standards whereby suitability of products for ambient temperature and humidity of Malaysia have to be met. Therefore, operation condition in Malaysia is more stringent due to the higher ambient temperature and humidity in which electrical equipment are operated. Our MS should take this into consideration. At the same time, with our products meeting more stringent conditions, it will perform better in temperate countries and at the same time, better in tropical countries when competing with products coming from temperate countries. We will become MORE competitive, meaning that our products will fetch a higher price. Remember the maxim that COMPETITIVE does not mean CHEAP.

MyCIE

Malaysia through TEEAM becomes a member of International Commission on Illumination or CIE. The Malaysian Chapter is known as MyCIE (Malaysian CIE National Committee) and currently headed by Mr C T Siew. We hope that all those in the lighting industry, be they manufacturers, designers or consultants will support the MyCIE to drive our lighting industry to new heights.





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Success Electronics & Transformer Manufacturer Sdn Bhd (SETM) was established in 1980 and, through our dedicated commitment to customer satisfaction and innovation over the years, we are now one of the largest low-voltage transformer and lighting manufacturers in Malaysia. SETM is wholly owned by Success Transformer Corporation Berhad, which is the first company of its kind to be listed on the Main Market of Bursa Malaysia Securities Berhad, Malaysia's Securities Exchange. In 1998, we were awarded the ISO 9001 Quality Management System Standards.



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

Website: www.tms.com.my

State Associations News



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

46th Anniversary Dinner

On 16th August 2009, the Perak Electrical Association (PEA) celebrated its 46th anniversary. A grand dinner was successfully held with a record of 93 tables from the support of its members and guests. Some TEEAM Council Members also attended the dinner to show support. Highlights of the event were karaoke, lucky draws, donations to schools and charity homes.



PEA Dinner Organising Committee – A group photo taken for the album.



Happy moment – (5th from left) Mr Chan Kaim Sam (PEA Deputy President) toasting with TEEAM officials.



Souvenir presentation – (centre) Ir Steven Ng Khoon Hwa (TEEAM Deputy President) receiving a souvenir from Mr Chan Kaim Sam (PEA Deputy President). Looking on are PEA President, Mr Wan Kam Weng (3rd from left) and PEA Dinner Organising Committee Members.

TEEAM Golf Competition 2009

PEA Deputy President, Mr Chan Kaim Sam led some PEA members to participate in TEEAM Golf Competition 2009 which was held on 1st October 2009 at Kelab Golf Sultan Abdul Aziz Shah (KGSAAS).



Networking – (front row from left) Mr Khaw Ah Hong (Ban Guan Lee Hardware Electric), Mr Yap Swee Seong (Terasaki Electric), Mr Chan Kaim Sam (PEA Deputy President), Engr Fu Wing Hoong (TEEAM President), Ir Steven Ng Khoon Hwa (TEEAM Deputy President), Mr Thomas K C Foo (Thomas Air-Conditioning & Electrical) and Mr Yap Ching Kiat (TEEAM Vice President). (2nd row from left) Mr Ho Khai Hong (TEEAM Honorary Secretary) and Engr Leong Kam Seng (TEEAM Vice President).



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
pes233sabah@streamyx.com

TEEAM Golf Competition 2009

The Sabah Electrical Association (PES) Past President, Mr Shim Siong Lit together with seven PES members participated in TEEAM Golf Competition 2009 which was held on 1st October 2009 at Kelab Golf Sultan Abdul Aziz Shah (KGSAAS).



For the album – (from left) Ir Shim Siong Lit (PES Past President), Engr Leong Kam Seng (TEEAM Vice President), Mr Gilbert Ying Fook Loon (Skyace) and Mr Chong Kium Yow (KVE Electrical Supplies).

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Branch : No. 11-A Jalan Kenari 17/D, Bandar Puchong Jaya, 47100 Puchong Selangor.

Office : Fax: 03-80709723

URL : www.pcolite.com

E-mail : (1) Sales & Marketing Director, Mr Lee Huei Chang

: (2) Local Sales & Marketing Department

: (3) OEM Sales Department

: (4) Oversea Sales & Marketing Department

: (5) Office

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: enquiry@pcolite.com

: oem@pcolite.com

: pco3286@streamyx.com

: pcolite@streamyx.com



Penang Electrical Merchants' Association

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Tel: 604 - 229 0195 Fax: 604 - 228 4233
E-mail: pema@streamyx.com
Website: www.pema.org.my

Academic Awards 2009



Awards presentation – PEMA Education Chairman, Mr Ooi Kok Kee delivering his speech. seated is Mr Teoh Yew Yean, PEMA President.

The Penang Electrical Merchants' Association (PEMA) Academic Awards & Educational Talk 2009 was held on 28th June 2009 at Bukit Jambul Country Club, Penang. More than 120 members and their employees and families attended the awards presentation. A total of 37 recipients were rewarded for their academic excellence in their UPSR, PMR, SPM and STPM. The awards were presented by PEMA President, Past President and Education Chairman, Mr Teoh Yew Yean, Dato' Hong Yeam Wah and Mr Ooi Kok Kee respectively. An educational talk was also presented by a member of Toastmaster International, Mr Shon Teik Lee to motivate them to further excel in their studies and at the same time provide them the guidance on their role after leaving school. PEMA President, Mr Teoh Yew Yean congratulated all successful recipients on their hard work and for fulfilling their parents' aspiration. A buffet lunch capped off the event.

PEMA/TNB Pulau Pinang Dialogue



Meeting in progress – Officials from TNB and PEMA discussing pressing issues.

A dialogue was held between PEMA and TNB Pulau Pinang on 5th August 2009 at TNB Pulau Pinang. The dialogue was chaired by TNB Pulau Pinang General Manager, Ir Abdul Aziz Jaafar. He was joined by seven officials from various TNB departments. PEMA President, Mr Teoh Yew Yean led a 10-member delegation.

The dialogue focused on issues related to reconnection of supply after six months termination; long duration of approval and implementation of projects; standardisation of electricity application for projects (especially bulk supply projects); request for breakdown of RJO and

contribution charges; and one-stop process for payment of reconnection charges (domestic and commercial).

Both parties managed to resolve some issues at the dialogue. It was a very fruitful dialogue which also served as a good platform to build closer relationship between PEMA and TNB Pulau Pinang. After the dialogue a sumptuous lunch was hosted by PEMA.



PEMA officials – (from left) Mr Cheah See Yeong (Council Member), Mr Choo Kwang Wah (Past President), Ir Chong Yew Lam (Honorary Secretary) and Dato' Hong Yeam Wah (Past President).

Other State Association Members' contacts:



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: jatco@pd.jaring.my /
ibon_elec@yahoo.com



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



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

Sandakan Electrical Engineering Association, Sabah

Block B-2, Lot 25, Bandar Utama,
Batu 6, Jalan Utara, 90000 Sandakan, Sabah.
Tel: 6089 - 214 005 Fax: 6089 - 216 995
E-mail: suntronic_sdk@yahoo.com

Electrical Association of Sarawak & Sabah

No. 2 A/F, 2nd Floor, Hardin Road, 96000 Sibul, Sarawak.
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AC Drives



PLC & HMI

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

**Capacity (KVA)
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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%**

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LS Industrial Systems
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TECO

CU & CN Series ▶

AC/DC Magnetic Contactors

5A ~ 300A

Thermal Overload Relays

0.3AMP ~ 185AMP

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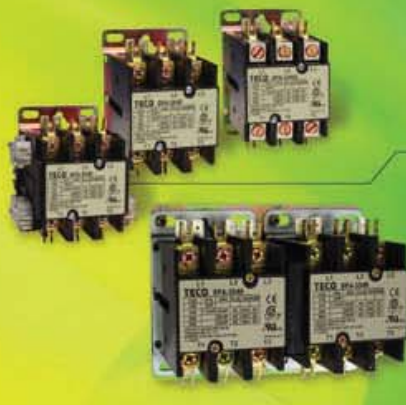
0.1AMP ~ 150AMP



◀ DPA Series

Definite Purpose

Contactors for HVAC Systems



Molded Case Circuit Breakers ▶



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Tel: 603-5161 1010, 5161 1129 Fax: 603-5161 1869

E-mail: taian@taianjaya.com



New Books in Our Library

Informative reference materials are available in our Library. The Library is open to members from 9:00 am to 5:45 pm, Monday to Friday.

Title : 2008 Annual Report Publisher : Department of Standards Malaysia	Title : IEM Journal, No.3 2009 Publisher : The Institute of Engineers, Malaysia	Title : ASEAN Elenex 2009 Show Directory Publisher : Malaysian Exhibition Services Sdn Bhd
Title : Berita KLSCCCI, October 2009 Publisher : Kuala Lumpur Chinese Chambers of Commerce and Industry	Title : Industrial Automation Asia, September 2009 Publisher : Eastern Trade Media Pte Ltd	Title : Standards & Accreditation News, September 2009 Publisher: Department of Standards Malaysia
Title : Berita MFPA, 2009 Issue Publisher : Malaysian Fire Protection Association	Title : Jurutera, October & November 2009 Publisher: The Institute of Engineers, Malaysia	Title : Standards & Quality News, No. 1/2009 & 3/2009 Publisher : SIRIM Berhad
Title : Berita FMM, July-August 2009, September-October 2009 Publisher : Federation of Malaysian Manufacturers	Title : Knowledge Content in Key Economic Sectors in Malaysia Phase II Publisher : Economic Planning Unit, Prime Minister's Department, Malaysia	Title : SUARA Perunding, Third Quarter 2009 Publisher : Association of Consulting Engineers Malaysia
Title : CIDB News, Issue 2/2009 Publisher : Construction Industry Development Board Malaysia	Title : Malaysia International Trade and Industrial Report 2008 Publisher : Ministry of International Trade and Industry Malaysia	Title : TEEAM Members Directory 2009/2010 Publisher : The Electrical and Electronics Association of Malaysia
Title : Construction Quarterly Statistical Bulletin, 1st, 2nd & 3rd Qtr 2009 Publisher : Construction Industry Development Board Malaysia	Title : Master Builders Journal, 1st & 2nd Quarter 2009 Publisher : Master Builders Association Malaysia	Title : The Feasibility of Guaranteed Maximum Price (GMP) Contract for Public Sector Construction Projects Publisher : Construction Industry Development Board Malaysia
Title : EUMCCI Review, July 2009 Publisher : European Union-Malaysia Chamber of Commerce and Industry	Title : Master Builders Association Malaysia 55th Anniversary Souvenir Book Publisher : Master Builders Association Malaysia	Title : The Ingenieur, June-August & September-November 2009 Publisher : Board of Engineers Malaysia
Title : Electrical Association of Sabah and Sarawak 30th Anniversary Souvenir Book Publisher : Electrical Association of Sabah and Sarawak	Title : MGCC Quarterly, November/December 2009 Publisher : Malaysian-German Chamber of Commerce and Industry	Title : The Strategist Vol. 2, 2009 Publisher : Asian Strategy & Leadership Institute
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Title : HKECA Newsletter, July 2009 Publisher : Hong Kong Electrical Contractors' Association		Title : What's new from Malaysia, 3rd Issue 2009 Publisher : Malaysia External Trade Development Corporation
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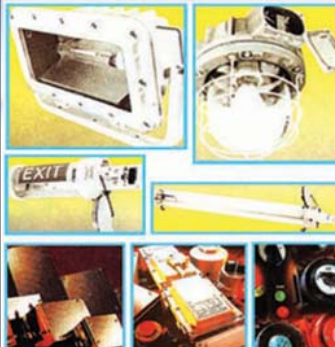
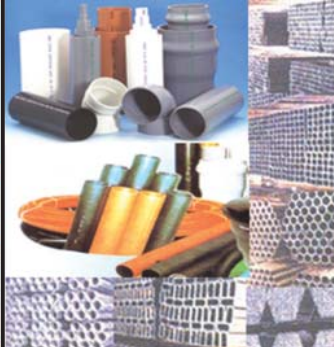
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ATS 2 pole, 3 pole, and 4 pole	Open Transition Without "OFF" position	Open Transition With or Without "OFF" position	HIGH SPEED Open Transition With "Sync Check" feature	Close Transition With "Sync check" feature
Aichi	W2/WN	WN	HPTS	WP
VITZRO TECH	W/WN	WN	-	CTTS
Transfer speed	$\geq 55\text{ms}$	Delay adjustable	$\leq 20\text{ ms}$ *To CBEMA/ITIC Curve	7-50ms

*For Data Centre Application - Parallel Redundancy.

- Heavy duty construction with Sophisticated controller
- Double-throw mechanism for dedicated source switching
- Solenoid operated for quick transfer
- Inherent mechanical interlock
- Mechanically held contacts
- High Electrical operation
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- High withstand short time current ratings



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