



POWERING THE NATION'S GROWTH

Free

TEEAM SERIES OF TECHNICAL TALKS 01/2023

"Energy Delivery System - How to Achieve
Good Electrical Connection"

"Electrical Failures Caused by Poor Connection"



23 May 2023
(Tuesday)



09:30 am -
12:30 pm



TEEAM
Seminar Hall

Our Speakers:



Mr. Albert Tan Tin Yau
Council Member



Ir. Chew Shee Fuee, KMN
Past President

Register Now!

Register here: <http://forms.gle/XDGuT7gdWyEXsQd47>



www.teeam.org.my

Closing date: 19 May 2023

No.5-B, Jalan Gelugor, Off Jalan Kenanga, 55200 Kuala Lumpur
Email: thila@teeam.org.my

SYNOPSIS

Energy Delivery System – How to Achieve Good Electrical Connections

Electrical connections come in two forms – end terminations and joints between two conductors. A good electrical connection is one that is able to conduct current safely at low temperature, resulting in energy savings and should last for many years. But how can we ensure and achieve a good electrical connection consistently?

The talk will cover the important factors in executing good electrical connections, with case studies of right and wrong applications. We will also look at the latest development in connecting products and examples of less common connection setups. We will also draw reference from local and international standards relevant to terminations and joints such as:

- MS 1540 - Crimp Type Cable Lugs for LV Applications
- MS 2584 - Crimp Type Bi-metal Lugs for Applications up to 36kV
- MS 2654 - Crimping Type Hexagon Dies and Rounding Dies
- IEC 61238-1 - Testing Methods and Requirements for Compression and Mechanical Connectors

Electrical Failures Caused By Poor Connection

Electrical failures occur due to many reasons. One of the major causes is poor connection. All electrical equipment needs good termination to ensure the adequacy of delivering the desired electrical power. Poor connection will produce excessive heat which will in turn cause insulation failure eventually resulting in serious electrical faults. The talk will cover the many aspects of failures in relation to poor connection. The need for preventive procedures to detect the early symptoms of excessive heating.

The need for adequate protection to reduce the impact and damage to the electrical supply system in the event of failures caused by poor connections.

SPEAKER'S BIODATA

Albert Tan Tin Yau is the Managing Director of Conway Terminals Manufacturer Sdn. Bhd., a company with the mission to make electrical connections safer and better. Conway is a manufacturer and distributor of underground and overhead cable accessories with more than 40 years of industry experience. Its range of products are type-tested to international standards and widely used by TNB, SESB and many key projects in Malaysia. ALBERT holds a Bachelor of Engineering from University of Malaya, Kuala Lumpur and a Master of Business Administration from University of Strathclyde, United Kingdom. He started his career as a Project Engineer with Sime Engineering Sdn Bhd in 2002 and has over the years worked in the capacity of a Project Manager, Procurement Manager, Business Development Manager and Chief Operating Officer of a public listed company. He is also a Graduate Member of Institution of Engineers, Malaysia.

Ir. Chew Shee Fuee, KMN B Sc (Hons) (Strathclyde), PEng, CEng, FIEM, MIEE Member, IEEE Member, 1st Grade Electrical Engineer (Competent up to 500 kV). Ir. Chew was President of The Electrical and Electronics Association of Malaysia (TEEAM) for 2001-2005 and 2013-2017. He was the President of the ASEAN Federation of Electrical Engineering Contractors (AFEEC) for 2016-2018. He is the Immediate Past Chairman of The Institution of Engineering & Technology (IET) Malaysia Local Network. Ir. Chew is the Managing Director of G H Liew Engineering (1990) Sdn Bhd and Chris Chew Electrical Consultant. He graduated from the University of Strathclyde, Glasgow with a B Sc (Hons) in Electrical & Electronics Engineering. He is a Professional Engineer and is also licensed by the Energy Commission as a Competent Engineer (without voltage limits) and a Service Engineer to carry out electrical testing up to a voltage of 500 kV. Ir. Chew has more than 30 years of industry experience in electrical control and relay protection. He is also specialised in electrical site tests on power equipment, electrical fault investigation, service and maintenance of electrical switchgears and relays. His work also includes electrical supervision of sub-stations and electrical audit. He also presents lectures on electrical apparatus and the protection system. He was Vice-Chairman of MyENC (Malaysian Electro-Technical National Committee) and is a Member of Technical Committees (TCs) and Working Groups (WGs) in Standards Development.

Programme:

- 09:30am: Registration and Networking Breakfast
- 10:00am: Welcome Remarks
- 10:05am: Energy Delivery System - How to Achieve Good Electrical Connection
by Mr. Albert Tan Tin Yau
- 11:05am: Electrical Failures Caused by Poor Connection by Ir. Chew Shee Fuee
- 12:05pm: Q & A
- 12:30pm: End