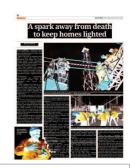


Headline	A spark away from death to keep homes lighted  Malay Mail		
MediaTitle			
Date	30 Nov 2016	Language	English
Circulation	100,000	Readership	300,000
Section	Top News	Page No	12
ArticleSize	820 cm <sup>2</sup>	Journalist	N/A
PR Value	RM 28,107		



## A spark away from death to keep homes lighted

## **By Jerry Choong**

jerrychoong@mmail.com.my

of it, a group of brave men helps to keep They are to install temporary tools and homes and offices powered while dicing equipment in order to replace the defective with electrifying death.

Barely a day after an insulation device broke, a 15-man team from the Live can result in over 275,000 volts surging Maintenance Unit headed from Tenaga through the body. Fortunately, most of the Nasional Berhad's (TNB) headquarters men here today have been doing this for in Jalan Bangsar, Kuala Lumpur, to the at least 10 years. Some have been doing it hilly, sun-dried Bukit Beruntung power for as long as I have. Procedural safety is substation to rectify the problem.

Until 1998, repairing any damage caused by wear and tear or exposure to the take about three hours to complete the elements required a substation to suspend all of its operations, causing temporary interruption in areas it supplied electricity team's capability is that it has had no

advancements history. Technological and knowledge have rendered that inconvenience obsolete, said maintenance foreman team Mohamed.

"When I started out in 1982, as a 19year old technician under the National competently handle 132/275/500kV high-Electricity Board (which became TNB in voltage live hardware, the individual must from the 'otai' (veteran personnel) and said. through trial and error," said the 53-yearold electrician.

"The younger generation still does so, but the culture has changed in the past 34

As 14 of his colleagues suit up in safety gear and erect an insulated scaffolding frame next to the substation's gantry structure, Azmi explained the team would be changing a broken tempered glass disc, which functions as an insulator between the live wiring and the zerovoltage structure, as well as maintain the position of the conductor according to the from their younger colleagues. From time substation's design.

another will back it up to maintain a constant supply of electricity," he said.

"For the repairs, we would need two on the hot side to handle the live wiring, and

KUALA LUMPUR — Though few know gantry, and four on the ground as support. component.

> "This is a serious task. One wrong move something we take seriously."

> Azmi added that on average, it would repairs and maintenance.

> A testament to the live maintenance occupational fatalities in its 18-year

Live maintenance senior engineer live Sugumar Shunmugam, 40, attributes this to the rigid selection process for TNB personnel to join the unit.

"To qualify for a certificate to 1990), I learned maintenance techniques undergo a month of intensive training," he

> "They will be exposed to all aspects of live maintenance, including safety aspects, equipment handling, and related work techniques."

Adding to this are refresher courses conducted for younger personnel every year, where veteran staff will share their experience with them as well as participate in development courses.

> "It is a two-way street. The veterans will also learn

to time, special training is conducted by "If this substation happens to go down, live maintenance experts from abroad, including Canada, France and Brazil," said

The team is part of a 106-person unit that repairs and maintains transmission another two on the cold side to handle the towers and substations throughout the



Headline	A spark away from death to keep homes lighted			
MediaTitle	Malay Mail			
Date	30 Nov 2016	Language	English	
Circulation	100,000	Readership	300,000	
Section	Top News	Page No	12	
ArticleSize	820 cm <sup>2</sup>	Journalist	N/A	
PR Value	RM 28,107			

By mid-day, the team has completed down the metal support beam.

technician Mohd Husaini Abdul Ghani, the challenge of live maintenance. 32, later describes his experience.

for nine months and then as part of an electrical currents. My confidence boosted ordinary electrical maintenance team," he with more training but you can never let

peninsula, and occasionally in Sabah for certificates for electronics, dashman and TNB's subsidiary Sabah Electricity Sdn wireman skills, before I joined the Live Maintenance Unit in 2009."

Rather than apply or seek it out, Husaini their routine, and prepared to clamber said he was selected by his superiors to join the elite unit. He has since enjoyed One of the "hot" men, assistant being on call for road trips and taking up

"The first time I handled live wiring I "I joined TNB in 2006 as an apprentice was afraid, especially since you cannot see strict procedures slip for even a moment, "Over two years, I obtained my not with the costs involved," Husaini said.



Headline	A spark away from death to keep homes lighted		
MediaTitle	Malay Mail		
Date	30 Nov 2016	Language	English
Circulation	100,000	Readership	300,000
Section	Top News	Page No	12
ArticleSize	820 cm <sup>2</sup>	Journalist	N/A
PR Value	RM 28,107		



The Live Maintenance Unit personnel warming up before beginning work.



The hot team (left) examining the tempered glass plate insulators, assisted by the cold team perched upon a gantry structure at Bukit Beruntung substation. — Pictures by Azneal Ishak



Headline	A spark away from death to keep homes lighted			
MediaTitle	Malay Mail			
Date	30 Nov 2016	Language	English	
Circulation	100,000	Readership	300,000	
Section	Top News	Page No	12	
ArticleSize	820 cm <sup>2</sup>	Journalist	N/A	
PR Value	RM 28,107			

