



**GOLD FIELDS**

**GOLD FIELDS GHANA  
LIMITED**

31<sup>st</sup> August, 2017

Mr. Kevin Risi  
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Live Line Technology  
Overhead Products for Distribution Networks  
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Dear Sir,

**Re: Use of 12Kv Firewall & Combi unit.**

**To whom it may concern,**

For the past two years (2015) we have been using the Live Line Technology 12kv Firewall & 12Kv Combi units, in Goldfields Ghana Ltd, Tarkwa Mine,

We have installed over twenty sets on our medium voltage (11kv) network which comprises of overhead line and pole mounted transformers.

To date, we have not lost any transformers where we have installed the Combi unit and overhead line protection has improved with the use of the Firewall surge protection system. Furthermore, the surge arresters are easily to insert and install once expired, as they do not require an outage nor long procedures for maintenance removal and replacement.

The amount of money saved in downtime, especially in the mining industry is extremely invaluable.

Safety is of the utmost importance and the units allow the user to stay on the ground, without having to climb on poles during maintenance.

We would recommend the units to any user looking at saving money in transformer losses, unnecessary downtimes and for increasing safety.

Kind regards,

I confirm that I have acted in accordance with the formal SOX documented controls applicable to my designation

EMMANUEL BOSOMTWE Date: 31/08/17

Snr Electrical Engineer  
Gold Fields Ghana Ltd, Tarkwa Mine

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