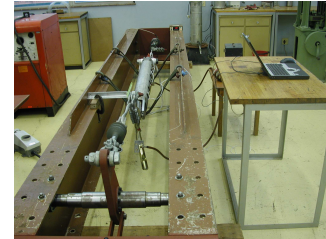


## PTS-SLiM Announcements – As of November 2008

### Eskom/Trans-Africa Projects (Eskom/TAP) Completes First Phase of SLiM Evaluation

Advanced AC Systems of Trans Africa Projects on behalf of Eskom has completed 1<sup>st</sup> phase of laboratory testing of the SLiM device and is planning to start their 2<sup>nd</sup> phase of evaluation activities. According to T.A.P.'s test leader, Kevin Lussi, "Phase 2 will hopefully be field testing of the device on a critical span of a heavily loaded 132kV line. It will be monitored, with automated data capture." PTS has communicated their full support for the testing and is providing Eskom with financial and costing information for their future consideration.



### Sichuan Electric Power Company (SEPC) Installs SLiM on a 220kV Line

SEPC purchased a standard SLiM device and installed it on a 220kV line in Sichuan in 2007. The installation was completed without a hitch in about half a day using mainly manual methods. SEPC's plans are to monitor and evaluate the performance and reliability of the SLiM device over a long period (up to two years) before making commercial decisions on large scale field implementation. The device has been on the line for about one year and being intermittently monitored by SEPC crew for its condition.



### SLiM successfully completes 20-month field trial at San Diego Gas and Electric Company (SDG&E)

In December 2005, field testing of a SLiM device placed into SDG&E's 69kV system was successfully completed. The overall development of SLiM and this field trial was the result of collaborative research efforts sponsored by the California Energy Commission, the Electric Power Research Institute as well as several utilities including SDG&E. The field trial started in May 2004 with a very straightforward installation according to SDG&E line personnel. SLiM's flawless, incident free and maintenance free performance over the 18 month field test exactly followed design specifications. In December of 2005 the SLiM device was removed for further rigorous material testing and evaluations by PTS. Testing confirmed that SLiM maintained full functionality and material integrity.



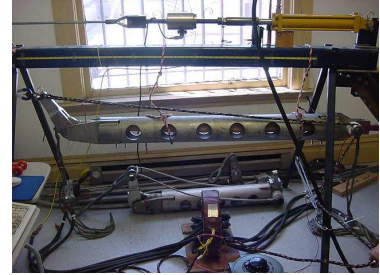
SLiM inventor and PTS Chairman, Manuchehr Shirmohamadi, said, "this important field trial proves that SLiM can safely and effectively work in a utility environment to mitigate line sag thus increasing transmission line capacity." Field trial and post-trial test results are available upon request.

### PTS Establishes Another SLiM Field Trial with Eskom/Trans-Africa Projects (Eskom/TAP)

PTS and Eskom/TAP are establishing another SLiM field trial in the TAP 132kV system. TAP is a joint venture between Fluor Daniel and Eskom-South Africa, one of the largest utilities in the world. PTS CEO, Roger Gray, said, "this is a great opportunity for PTS to further prove the capabilities of the SLiM device and PTS welcomes the opportunity to work with Eskom/TAP because they are known as a leader in evaluating and deploying transmission technologies like SLiM."

### **PTS Announces First International Sale of SLiM to Eskom/Trans-Africa Projects (Eskom/TAP)**

PTS made its first international sale of a SLiM device recently. Eskom/TAP purchased a custom-made SLiM device to deploy in its transmission system. This custom SLiM device purchase is in addition to the SLiM device that Eskom/TAP is testing in its 132kV system. PTS believes that its standard SLiM device (the one used in the TAP field trial) will continue to prove the viability of SLiM device for use with 115 to 230kV class systems and that the custom SLiM, which is a lighter-duty version of the standard SLiM, will prove the application of the SLiM device in lower transmission voltages. In addition to domestic marketing of SLiM, PTS is actively exploring additional sales to Eskom/TAP as well as to other utilities around the world.



### **SLiM Economics Compare Favorably to other Solutions to Increase Transmission Transfer Capability**

Professor Ross Baldick of the University of Texas's Department of Electrical Engineering authored a FERC-sponsored research paper evaluating the cost of various technologies to increase transmission transfer capabilities. The paper creates an apples-to-apples economic comparison by producing results on a \$/MW-mile basis. Although SLiM is mentioned in the research paper, cost figures were not available at the time it was written. PTS now has prices for SLiM and has performed its own evaluation of SLiM versus the results published in Prof. Baldick's paper. SLiM compares very favorably and in many situations may be the most economic solution. According to Roger Gray, PTS CEO, SLiM really is not intended as a direct competitor to the advanced low sag conductors such as ACCC. Those conductors provide more capacity, but they are also significantly more expensive than SLiM. If a utility needs a lot more capacity (e.g. 50-100%) it would probably make sense to go with a larger investment such as ACCC. However, if the need is for a more moderate capacity increase (e.g. 10-30% increase in transfer capability), the SLiM device provides a more economic solution without paying for the capacity you don't need. Additionally, SLiM can be installed easily and quickly using a relatively simple maintenance-like activity.

**For further information about PTS or SLiM, please call, email, or visit our website.**

Power Transmission Solutions, Inc.  
3254 Adeline Street, Suite 205  
Berkeley, CA 94703 (USA)  
Telephone: +1 (510) 410-4046  
E-Mail: [info@ptransolutions.com](mailto:info@ptransolutions.com)  
Website: <http://www.PTranSolutions.com/>