

ERLPhase Power Technologies: August 2011 Update

Welcome to our latest e-newsletter, starting off with a recent photo of some of our team...



IEEE Power Systems Conference

Mar 20-23, 2011 in Phoenix, Arizona

This spring ERLPhase exhibited at several industry events, including the IEEE Power Systems Conference. This event brought together an international group of practicing power systems engineers, operators, planners, policy makers, economists, academics, and others with interest in the power systems profession.

At the show, editors from Canadian Electronics magazine interviewed Mark Peterson, an applications engineer and regional sales manager at ERLPhase. Mark gives a high level overview of why customers are choosing ERLPhase protection relays and power system recorders.

Access the article at:

<http://www.canadianelectronics.ca/index.php/IEEE-Conference-addresses-the-smarts-in-the-smart-grid.html> (Mark's interview is the 3rd photo on this page)

Or access his interview directly at:

http://www.canadianelectronics.ca/index.php/component/option.com_seyret/Itemid.247/id.148/task.videodirectlink/

Or

<http://www.erlphase.com/news.php>



Mark Peterson, Applications Engineer and Regional Sales Manager at ERLPhase Power Technologies is interviewed by Canadian Electronics Magazine.



ISO Audit Success

Congratulations to everyone at ERLPhase involved in the recent successful ISO 9001 2nd surveillance audit which took place in June. The quality management system check took 1.5 days to complete and covered all aspects of the ISO 9001:2008 QMS standard. The auditor was very pleased with the review, which included the organization's management review process (clear understanding of how goals and objectives was communicated throughout the organization), quote process (including final review prior to release), assembly guide, and human resources process.



**ISO 9001:2008 QMS
Certified Organization**

"Every audit is unique one way or another... what makes it successful is the employee's right attitude towards the standard. As I always say, 'make the system work for you, not you working for the system'. It was rewarding to see everyone pull together to prepare for our audit. I am pleased with our success and looking forward to continuous improvements of our processes," said Bien Lalo, Quality Assurance Specialist at ERLPhase.

The team was well-prepared and found the auditor's friendly and supportive approach to be very helpful. By looking objectively at our system, the auditor presented some valuable recommendations. They were impressed with how fast the company is growing, the good changes that are happening with our quality management system and the extent to which employees are committed in helping the company move forward.

B-PRO 8700 and T-PRO 8700 Firmware Updates

Thanks to those customers who have already installed updates issued for the following products:

- B-PRO 8700 v3.1
- T-PRO 8700 v4.1

This update to the B-PRO 8700 and T-PRO 8700 firmware increases security and reliability of the Differential Functions, incorporating notable enhancement features to ensure secure and dependable operation under extreme power system conditions such as:

- High impedance internal faults on Slope 1 region of the Slope Characteristic

- ❖ Large external close-in faults with DC offset conditions on Slope 2 region of the Slope Characteristic, near the differential zone, (BUS differential zone)
- ❖ Low To High Impedance Internal Faults
- ❖ External Large Close-in Faults with DC Offset

This update can be applied to B-PRO 8700 units built after February, 2001 and to T-PRO 8700 units built after May 2001. The build date can be determined from the unit serial number (for example, BPRO-8700-0103xx-xx was built in March, 2001 and TPRO-8700-0105xx-xx was built in May, 2001).



The introduction of the new firmware includes updates to the Offliner software as follows:

- ❖ The new B-PRO 4000 Offliner Setting Software is backward compatible with B-PRO 8700 relays. The Setting File Version 7 must be used for the v3.1 Firmware.
- ❖ T-PRO 8700 Offliner Settings v4.1 supports all the features in the T-PRO v4.1 firmware. It is backward compatible with all previous versions of firmware and can be used to create and edit past versions of T-PRO 8700 setting files.

For a complete list of all new features and enhancements, more information and release notes on the above, please visit <http://www.erlphase.com/support.php?ID=software>.

For more information or to receive the updated firmware, please contact our customer support team at 204-477-0591 or support@erlphase.com.

New App Notes

- ❖ **TESLA 3000 Communciations Configuration (3.1MB)**
[Download Application Note PDF](#)

Upcoming Events

Looking forward to seeing you at an event in your area...

IEEE Electrical Power & Energy Conference

Oct 3-5, 2011
Winnipeg, MB

Attend our paper presentations:

- ❖ *"Phase Angle Comparison and Differential Rate of Change Methods used for Differential Protection of Busbars and Transformers"*
- ❖ *"New Microprocessor Based Relay to Monitor and Protect Power Systems Against Sub-Harmonics"*

Or attend our half-day tutorial:

- ❖ *"Wide Area Monitoring Systems (WAMS) using Phasor Measurement Units (PMU)"* being presented by ERLPhase and Manitoba Hydro

❖ [Learn more about IEEE Electrical Power & Energy Conference](#)

WPRC

Oct 18-20, 2011
Spokane, WA

Joe Perez presents *"Calculating the Loadability Limits of Distance Relays"*
Visit us in the "Comstock Room" on the 4th floor.

❖ [Learn more about WPRC](#)

MIPSYCON

Nov 1-3, 2011
Minneapolis, MN

❖ [Learn more about MIPSYCON](#)

Alaska Electric Utility Conference

Nov 2-4, 2011
Anchorage, AK

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CONCAPAN

Nov 9-11, 2011
San Salvador, El Salvador

❖ [Learn more about CONCAPAN](#)

- ▶ North American centre of excellence within a strong and dynamic global organization
- ▶ Driven by innovation and best-in-class technology to provide smart solutions to customers needs
- ▶ Singular focus on power system protection and recording



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