



# September 2015 Update

## ERLPhase Power Technologies

Welcome to autumn! Here's our latest news...

### Successful ISO 9001:2008 Re-Certification Audit

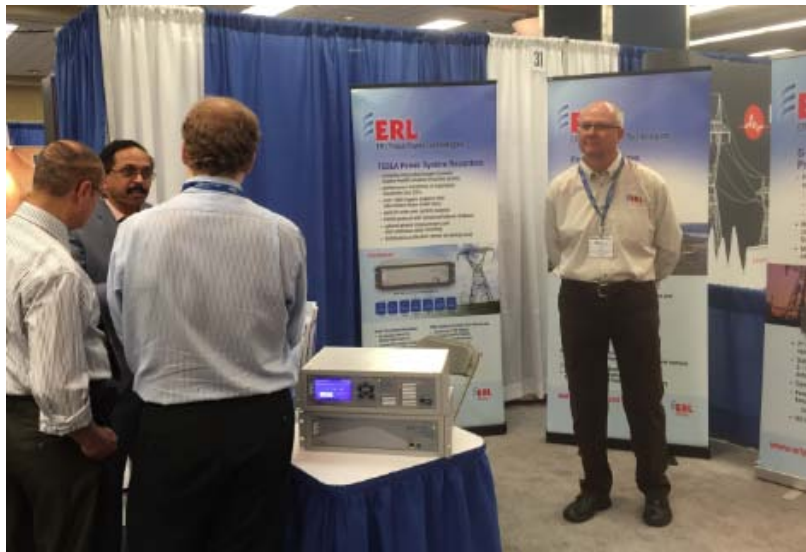


ISO 9001:2008 QMS Certified Organization

ERLPhase Power Technologies is pleased to announce we have been awarded a renewal of ISO 9001:2008 certification. This certification covers the major processes ERLPhase has developed to ensure quality for our customers, including assembly, test, receiving inspection, equipment calibration, supplier selection and supplier review. The auditor was especially impressed with the flow of the Production area and visual assembly guides used there. Quality for our customers is a cornerstone of our company culture, and is considered a personal responsibility of all employees.



**CIGRÉ Canada**



The week of August 31st, our home city of Winnipeg welcomed delegates from all over the world to the CIGRÉ Canada conference. CIGRÉ facilitates the definition of future power systems to address challenges facing the power industry. The theme of the 2015 conference was “What’s next for the Power Grid” and included topics of special interest such as asset management, HVDC and the smart grid. Krish Narendra, Ph.D (CTO for ERL - Power Automation & Smart Grid) jointly presented a workshop entitled “Subsynchronous Resonance: Analysis, Case Studies and Equipment Development,” which was very well received and resulted in excellent discussion. The conference is a great opportunity to meet with some of our customers, engage with other engineers in the power industry, and share ideas about innovations that will shape its future.

## PAC World in Glasgow, Scotland



ERLPhase participated in the 6th Protection, Automation and Control (PAC) Conference this summer in Glasgow, UK. This gathering of industry professionals helps build industry knowledge and is a good chance to connect with our customers and partners. Nuwan Perera presented a paper called “Micro Processor Based Advanced Bus Protection Scheme Using IEC 61850 Process Bus (9-2) Sampled Values”. And the company also showcased 3 poster presentations:

- Series Compensated Transmission Line Protection Using Distance Relays
- Mitigation of Sub-Synchronous Controller Interactions (SSCI) Using a Sub-Harmonic Protection Relay
- Commissioning Process and Acceptance Test of a Sub-Harmonic Protection Relay

Visitors to the ERLPhase booth from transmission and generation utilities showed keen interest in all products, particularly the S-PRO sub-harmonic protection relay.

Also in Scotland, members of the ERL Applications team assisted with an installation at Scottish Power.

## IEEE RVP-AI in Mexico



In July, Arturo Lopez and Hector Ponce from our Latin American sales and customer support teams attended IEEE RVP-AI in Acapulco, Mexico, where they represented ERL together with our local sales partner, Aislatension. This conference is a meeting place and opportunity to share technical advances and discuss application of our products, especially the TESLA recorder, in the Mexican power system. Learn more about IEEE RVP-AI (information in Spanish) at: [http://www.ieee.org.mx/IEEE/IEEE\\_Seccion\\_Mexico.html](http://www.ieee.org.mx/IEEE/IEEE_Seccion_Mexico.html).

## New Application Notes

### Partitioning a Large RecordBase Central Station Database to Improve Query Speed



This application note describes creation of partitioned access links in the RecordBase Central Station (RBCS) database. These links enable display of specific data sets using RecordBaseView, improving database query speed, particularly for large databases. [Download app note](#)

### Resolving TESLA Recorder Issues Caused by Cooperative Group Network Communication Failure



Cooperative Group is a unique TESLA feature enabling 2 to 4 recorders to work together as single unit. This application note describes how to make each recorder in a cooperative group perform efficiently. Some recorder behaviours are also discussed (what happens when cooperative group communication has been disturbed or changed and most importantly how to avoid that). [Download app note](#)

## Welcome John Csisek



John Csisek joins ERLPhase as Protection Products Sales Manager. Based in the Philadelphia area, John looks forward to expanding our base of relay customers in the USA, Canada and Latin America. He brings significant experience managing outside sales channels, and specializes in technical development of proposals that meet customer needs and specifications. John's >15 years protection experience, includes a Regional Sales Manager role at GE Digital Energy and an Application Engineer and Substation Engineer prior to that. John may be reached at [jcsisek@erlphase.com](mailto:jcsisek@erlphase.com).

## Welcome Keivan Bahari



We are delighted to welcome Keivan Bahari as a Technical Services Engineer, part of the experienced team of engineers supporting ERLPhase customers. Keivan is a Professional Engineer, and has a Project Management Professional designation with over 15 years of experience in power generation, transmission and distribution systems in multi-disciplinary environments. Keivan's experience includes work with ABB in various positions. He has also published and presented several papers at industry seminars and conferences and holds a Masters in Electrical Power Engineering from Iran University of Science and Technology. Keivan is based in Toronto and may be reached at [kbahari@erlphase.com](mailto:kbahari@erlphase.com).

# Upcoming Events

- **NASPI Work Group Meeting**

Oct 14, 2015  
Chicago, IL  
Visit us in booth #31!  
[NASPI Website](#)

- **WPRC**

Western Protective Relay Conference  
Oct 20-22, 2015  
Spokane, WA  
See us at Booth #13!  
[WPRC Website](#)

- **MIPSYCON**

Minnesota Power Systems Conference  
Nov 10-12, 2015  
Saint Paul, MN  
Visit our booth!  
[MIPSYCON Website](#)

- **CONCAPAN**

Nov 11-13, 2015  
Tegucigalpa, Honduras  
Hear our paper "A Guide to Digital Fault Recording Event Analysis"  
Visit us at booth #70!  
[CONCAPAN Website](#)

- **DistribuTECH 2016**

Feb 9-11, 2016  
Orlando, FL Visit us at booth #1932!  
[DistribuTECH Website](#)

- **Elecrama**

Feb 13-17, 2016  
Biec, Bengaluru, India  
Visit ERL booth!  
[Elecrama Website](#)

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