



**INSIDE THIS ISSUE:**

<i>EESA Conference</i>	<b>1</b>
<i>Whats On</i>	<b>1</b>
<i>Linnetroll with GSM</i>	<b>2</b>
<i>S&amp;C Power Quality</i>	<b>2</b>
<i>ESS Dubbo</i>	<b>3</b>
<i>Polymater</i>	<b>3</b>
<i>Tech Services</i>	<b>4</b>
<i>Equipment</i>	<b>4</b>
<i>Contact Us</i>	<b>4</b>

## Whats On

*EESA NSW 2006  
Back to Basics  
16th-17th November  
Novotel Brighton Beach  
Sydney*

*Goldfields Mining Expo  
2006  
24th-26th October  
Kalgoorlie, Western Australia.*

*See You There*

## EESA CONFERENCE IN MELBOURNE

The EESA ( Electric Energy Society of Australia ) Held it's national conference in Melbourne at the RACV Club during 16th-18th of August, 2006 under the nominated theme of " At the Flick of a Switch".

As EESA Corporate Members and Silver Sponsors of this Expo ADAPT proudly showcased a range of protection relay solutions from ZIV (Spain) together with selected Power Quality and Fuse Equipment from S&C Electric Company (USA). A full range of one piece injection moulded Silicone Polymeric H.V. Insulators from K-Line Insulators (Canada) was also featured.

The ADAPT Technical team of Bob Coulter, Daniel Cetrola, Howard Neilson, Anthony Jones and Peter Sandars were very ably supported by our international visitors, Jose Luis Suarez, Application Engineer from ZIV (Spain) and Suzanne Escudier, Regional Manager from S&C Electric Co. (USA).

The team and products generated a lot of interest and discussion with a host

of engineers from all segments of the Electrical Power Industries.

ADAPT was awarded the much coveted EESA certificate and prize for the best exhibition stand, which we were honoured to receive.

Our exhibition stand was designed and built by our long time partners, FX Displays and Exhibitions Pty. Ltd. of Kensington, Victoria.

A big thank you to all involved.



Jose Luis Suarez (ZIV), with Bob Coulter, & Daniel Cetrola (ADAPT) on the ADAPT stand at the EESA Conference held at the RACV Club in Melbourne on the 16th-17th of August.

## LINETROLL 3500 FAULT INDICATOR, FROM NORTROLL NOW COMES WITH GSM COMMUNICATIONS MODULE

LineTroll 3500 (LT3500) is a powerful pole mounted overhead line fault passage indicator suitable for all types of high voltage distribution and sub transmission networks.

Manufactured by Nortroll AS, of Norway, the LT3500 can now be supplied with an integral GSM communication module type GLM for remote indication and integration into SCADA, Distribution Management and Automation systems. The same module can be fitted to LineTroll 3100 units as well.

When the fault indicator operates, the GLM communicate the operation information to a remote location using SMS messaging. These messages can be converted into SCADA, DSA or DMS input for integration with other operational information.

The GLM mounts inside the LineTroll 3500 or 3100 indicator bracket and is powered by an internal lithium battery pack with a life expectancy



the same as for the indicator itself, 7 to 10 years with no external power required as the GLM uses a low power drain GSM platform.

The GLM add-on module enhances the ability of LineTroll pole mounted fault indicators to help find faults fast.

## A POWER QUALITY FIRST FOR PATRICKS

ADAPT Australia and S&C Electric have successfully commissioned the first S&C Adaptive VAR Compensator (AVC) in Australia at the East Swanston Dock in Patrick's Melbourne Container Terminal.

The unit was tested on Tuesday 19th September, then commissioned and handed over the following day.

The AVC is a 2.5MVAR power-electronic based reactive compensator that dynamically compensates for the rapidly varying load demand of the container cranes that operate around the clock.

The container cranes have a poor power factor and the AVC will free-up considerable capacity in the 11kV supply to the site as well as within the network around the container terminal.

Patrick Corporation is installing two new container cranes and plans further extensive development on the site.

The AVC is a key component in their effective utilization of the terminal's electrical infrastructure.



## ESS EXPO IN DUBBO



ADAPT was involved with GJH Energy Services at the Energy Safety Solutions Expo, which was held in Dubbo, NSW, on the 20-21 June, 2006.

The expo was sponsored by Country Energy, and was very well attended with 1,500 people coming through over the 2 days.

We fielded over 30 good enquiries on our vast product range that is available, primarily on K-Line Insulators, many

Country Energy linesmen that visited our stand commented favourably on the innovative design and light weight of K-Line's new 66kV Silicone Line Post Insulator.

Enquiries were also taken for the Phoenix Manufacturing fuse bracket covers and transformer bushing covers, also the Rainbow Technology products namely Wasp & Ant Spray, Graffiti Remover and the Insect Patch Kit.

## POLYWATER RUBBER GOODS CLEANER

It has long been recognized by linesman that strong industrial cleaners and solvents such as petroleum distillates and d-Limonene may cause permanent damage to rubber protective equipment. These products may cause rubbers to swell, soften, and lose electrical insulating properties.

Recognising the need for a safe, effective cleaner for Rubber equipment, Polywater USA has developed **Rubber Goods Cleaner**, a specially formulated water-based cleaner for removing grease, dirt, carbon, creosote, and other grimes from insulating blankets, linesman's gloves, rubber sleeves, jumper cables etc. Rubber Goods Cleaner is safe for use on all natural and synthetic rubbers. Unlike other water-based rubber cleaners, Rubber Goods Cleaner contains no hazardous ingredients and is pH neutral, making it safe for use on skin. Rubber Goods Cleaner is also completely biodegradable and safe for the environment.

Cleaning of rubber protective equipment is necessary not only for visual inspections but to preserve the protective equipment's electrical integrity, protection, and to add to the life of the equipment. Contaminants can be conductive, especially when combined with moisture from rain and fog.

Protective equipment should be cleaned daily and whenever it appears dirty with contaminants. Rubber Goods Cleaner makes daily inspection of protective equipment easier and helps to maintain the electrical insulating properties of the equipment.



*A specially formulated water-based cleaner for removing dirt, grease, and grime from lineman's gloves, sleeves, jumper cables, and other rubber goods.*



We're on the Web  
www.adaptnz.com

**Steve Offord**  
Regional Manager  
Mob: 021 507 831

**Ruth Offord**  
Manager-Major Accounts  
Mob: 021 507 832

184 Elgin Road (RD7)  
Ashburton  
New Zealand

Phone: (03) 302 3023  
Fax: (03) 302 3093

Email: sofford@adaptnz.com  
Email: rofford@adaptnz.com

## ADAPT'S NEW TECHNICAL SERVICES DIVISION

We are very pleased to advise all our Customers and readers alike on the formation of our Technical Services Division or 'TSD' as it's referred to in-house.

The Technical Services Division, based in Melbourne, provides full Engineering and local Technical support, both in-house and on-site, of **our hi-end Power Quality products** as supplied from overseas based Principals such as **S&C Electric Company of Chicago, USA** and **ZIV Protection Relay Solutions of Madrid, SPAIN.**

Customer Services that we can now provide include testing and commissioning of Power Quality equipment, problem solving and fault diagnostics, calibration of digital relay settings and GPS clocks together with a

repair and re-testing service utilizing a full compliment of spare parts held in our stores, if required.

ADAPT is now fully geared to providing a full 24/7 maintenance and repair service on a contract or project basis throughout Australia and New Zealand.

The Technical Services Division future plans include expansion into other fields of opportunity and Customer Service on Engineering applications for U/G Cable Restoration, Wood Pole and Crossarm inspections to name a few.

Pictured is our newly refurbished Technical Services Division vehicle, fully sign written by our long term partners FX Displays and Exhibitions P/L of Kensington in Victoria.



*ADAPT is now fully geared to providing a full 24/7 maintenance and repair service*

As part of the formation of the technical services group ADAPT has invested in a range of quality test gear and tools in order to assist Technical Services staff in carrying out their work with excellence and efficiency.

Further to the range of general electrical test equipment, ADAPT also utilizes a National Instruments data acquisition and analysis system, capable of performing customisable analysis on voltage/current signals for troubleshooting, analysis and verification purposes etc.

This was immediately put to work by means of a custom designed power quality data logging application developed in house, in preparation for the commissioning of the Patrick's AVC units.

Plans are now underway for the development and construction of a permanent test lab at the ADAPT head office, capable of providing further engineering resources and testing capabilities for the future.

