

# Christmas Newsletter

Welcome to our 2017 Christmas Newsletter. This last year has been a momentous one for Abbey Systems, with the purchase of the business on 1 July, by Arthur D. Riley & Co Ltd. The purchase is in line with A D Riley's position as a significant supplier to the Water & Power markets in New Zealand, Australia & the Pacific Islands to which Abbey Systems can add USA & Asia. Abbey Systems joins the ADR Control team working closely with ADR's earlier purchase of Control Systems in Hamilton.

Abbeys' 4<sup>th</sup> floor team of, James, Graeme, Swapnil and myself have already moved to A D Riley's premises at 137 Thorndon Quay. The R&D and Production teams will move at the end of Feb 2018, after building renovations here are complete. There will likely be a minor disruption at the end of February, while we move the factory. If you need any RTU hardware for projects late February early March, please let us have your order very soon.

Significant projects for us this past year include;

- New Customer; South Wairarapa DC, Martinborough and commissioning of the Waiohine WTP & Martinborough WWTP.
- SCADA Master & Backup Powerlink 3.8.0 upgrades for several customers; ScanPower, Wellington City Council, Greater Wellington Regional Council, Upper Hutt CC, Porirua CC, Queenstown Lakes DC & Palmerston North CC.
- SCADA Gateway upgrades for ScanPower, Network Waitaki & The Lines Company.
- Night flows email spreadsheet reporting for Tararua DC.
- Powerlink SAIDI & SAIFI reporting for Waipa Networks.
- 2nd SQL interface for Queenstown Lakes District Council SCADA Master. Previously Powerlink only supported sending historical data to one SQL Server.
- RTU DNP3/IP Slave migration project for Aurora Energy (Dunedin).
- SCADA Master Backup and communications upgrades for ScanPower (Dannevirke) & Top Energy (Kaikohe).
- RTU replacement programs for a number of our customers in Utah, USA, Waipa Networks, Wellington Water, New Plymouth DC & Dunedin CC.

A D Riley's Management & your Abbeys' & Control Systems team wish to thank all of our customers for their business and support over the last 12 months. We wish you "Seasons Greetings and a Happy New Year".

*Steve Dorrington*

Sales & Development Manager  
ADRControl – Abbey Systems

## Christmas & New Year Office Hours

ADR offices close at 12 noon Friday 22th December 2017 & reopen 8:30 am Monday 8th January 2018.

## Support calls over the Holiday break

During the Christmas New Year period Abbey Systems phone 04 385 6611 will be answered by Answer Services who will forward urgent requests for help to rostered senior staff - there are no guarantees as to who that might be. Answer Services direct number is (04) 494-1758

We would appreciate your help in limiting calls during the break to **Emergencies** only until the office reopens. As a precaution we recommend that no major software updates or changes to your SCADA system be undertaken in the week prior to Christmas, if it can at all be avoided.

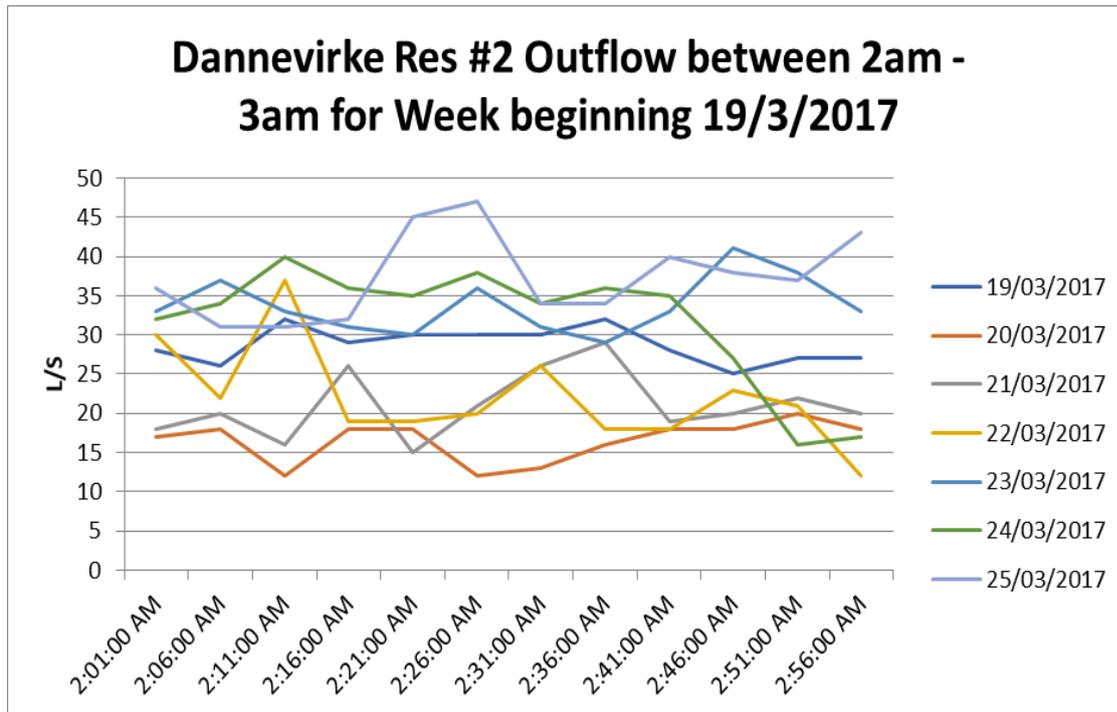
Please note that callouts during the Christmas New Year period are not covered by Support Contracts and additional fees will apply, even on the non-statutory days that the offices are closed.

## Powerlink SCADA - Network Outage SAIDI / SAIFI Reporting

Electrical distribution network companies have a statutory requirement to record and advise power supply interruption outage times to the Electricity Commission. The standardised statistical data reporting information is known as SAIDI & SAIFI Indices. To assist Powerlink SCADA distribution network customers report this data on an annual or more frequent basis, a suite of Powerlink User programs has been developed. It translates Circuit Breaker (CB) outages times into Powerlink "CB named" status Events based on whether the outage times were less than or greater than 1-minute outages. Then by running Powerlink Historical Reports, the CB tripped outage times for nominated periods can be reported on.

## Powerlink email Alarm module

As well as sending Alarms to email addresses, the new Powerlink Email Alarm module can send files to listed email Users. These can be Quick Reports in csv format or more usefully, appended Excel spreadsheets and graphs, like the sample below James Grant did for Tararua DC earlier this year. These particular Night flow Quick Reports are generated when a button on an Aspx HMI screen is pressed. They can also be sent out automatically with no Operator initiation required.



## Early Abbey RTUs - End of Repair Service Notification

Abbey Systems advise customers the end of servicing for some of our older generation products. These all have replacements in our current product line up. Servicing will cease in 12 months' time, December 2018. Until then we continue to offer a repair service, subject to parts availability.

### Following products are affected

- Modulink System Controllers B05-001
- Master Communicators B05-002 & B05-020.
- Microlink B05-030 & Minilink B05-033 RTUs.
- Modulink COMM B05-020
- Modulink DIO B05-003, AIO B05-017, SIO B05-001,
- Modulink NCOMM RTU B05-050.
- Powerlink COMM B06-020R.
- Original Topcat RTU B06-050.

### Recommended replacements

Abbey SCADA Gateways  
 Abbey SCADA Gateways  
 Swampfox SF1 & SF3  
 Swampfox & Topcat RTU variants  
 Swampfox & Topcat RTU variants  
 Topcat TC0  
 Powercat Comms Controller PC-CC  
 Topcat TC1 & Topcat TC3

## New Staff Member - ADR Control Systems - Hamilton

We want to welcome Mark Gooderham to the ADR Control Systems team. Mark's is a qualified Industrial Electrician and recently completed his Dip. Electrical Engineering. He's very interested in the Automation & Technology fields and worked on R.F. equipment with WEL Services. Mark's spent a week training with the Abbey Systems Engineers in Wellington recently and is now back in the field working to service ADR Control Systems customers around the Waikato.

## Other Employment Opportunities - Hamilton

Many of you will know of the close association Abbey Systems have with ADR Control Systems in Hamilton. Recent changes in staffing there have created new career opportunities in the SCADA & Telecommunications fields. We have two further positions available in Hamilton for Intermediate and Senior Control Systems Technicians or Engineers, with relevant field service experience in the Water, Power or Telecommunications Industries.

The roles require periodic travel within New Zealand. You'll work as part of a team or independently and need a full drivers licence. Applicants will have a minimum of Electrical Appliance Service Person Registration and relevant experience in one or more of the following areas. R.F. & Telecommunications experience is desirable for the senior role.

- R. F. Communications & Telemetry Systems
- Process Control Systems, RTUs, PLCs and Instrumentation
- SCADA HMI configuration and commissioning
- Serial and IP protocols. E.g. Modbus, DF-1, DNP3 & EthernetIP
- Substation IEDs & Network Automation setup
- Water & Wastewater plants & pump stations

These are hands-on technical roles servicing our Power Network & Water Utility customers in the field. You will need to be practical, organised, a self-starter and show initiative in problem solving and managing a number of different customer's needs.

A company vehicle is provided and subsidised healthcare benefits are available after a qualifying period.

This is an exciting opportunity to join a growing NZ based company in a specialist field which is rapidly expanding and in high demand. Only applicants with status to work in New Zealand will be considered.

Please apply to Bridget Chin, [bchin@adriley.co.nz](mailto:bchin@adriley.co.nz)

Further information on anything contained in this Newsletter please contact  
A D Riley on 04 385 6611 or visit us at [www.abbey.co.nz](http://www.abbey.co.nz) or [www.adriley.co.nz](http://www.adriley.co.nz)