

Newsletter

Volume 13, Issue No.2

June 2012



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AT A GLANCE...

AUTOMATION IT ATTENDS THE 37th ANNUAL WIOA TRADESHOW ON THE GOLD COAST

The Water Industry Operators Association of Australia (WIOA) tradeshow exhibition has been a good platform in the past for Automation IT to show case its skills as a quality systems integrator in the water industry. This year Automation IT were present at the show with over 600 attendees at the conference. This included a technical program designed to benefit personnel involved in the operation and maintenance of urban, rural and industrial water related infrastructure for the management, conveyance, treatment, discharge and reuse of water and trade waste.

The show was a great opportunity for Automation IT to catch up with existing customers and follow up on current and future projects face to face. As an added bonus we were able to meet new faces in the industry and explore new opportunities.



AUTOMATION NEWS

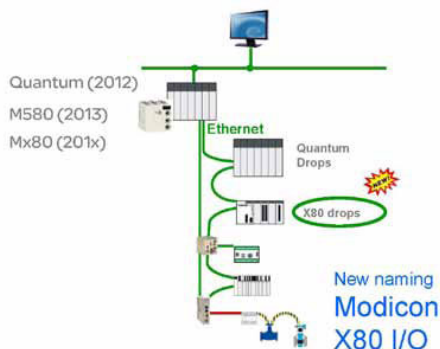
M340 I/Os have been renamed to Modicon X80 I/Os

Schneider has standardized two types of I/Os – IP20 modular distributed I/Os and the M340 I/Os – in support of the new Ethernet architecture. These are supported by Quantum and will be supported in the coming years by new M580 and M780 controllers.

The generic name for the IP20 modular distributed I/O is Modicon STB (Smart Terminal Block). The M340 I/Os have not had a generic name...until now.

The Plant Solutions Control Activity has decided to create a generic name for the M340 I/Os in order to:

- Present a better image of the M340 I/Os used in the future PACs (higher range)
- Facilitate an M340 I/O price increase and stay competitive



AUTOMATION NEWS—Continued

GE IP's new Proficy MaxxMine

Are you ready to optimize your process and asset performance? With Proficy MaxxMine, mining operations around the world have been able to do just that, leveraging valuable knowledge from deep operational expertise and experience. GE customers report ROI in 6-12 months, some much sooner. Solution benefits include:

- Higher throughput and recovery
- Greater process efficiency and consistency
- Increased asset availability
- Reduced maintenance

As an all-in-one, real-time, 24/7 solution, Proficy MaxxMine helps you make timely and accurate decisions that are critical to balancing process performance with equipment health—delivering advantages that drive competitiveness, safety and sustainability

Enhancing Process Performance

- Visualize abnormal process variations & root causes,
- Improve process consistency and repeatability.
- Increase Asset Availability
- Use a predictive-maintenance approach..



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10th ANNIVERSARY OF LMS Projects

The LMS Power Group manage electrical generation facilities that collect approximately 150 million cubic meters per year of landfill gas, generate over 230,000 MWh's of renewable energy, which collectively provide abatement of approx. 1 million tonnes of greenhouse gases from the atmosphere each year.

Automation IT have been involved with supplying the PLC and SCADA engineering for the control systems from the first modern unit back in 2002. since then we have gone on to build an excellent relationship with LMS and have assisted them with the programming and commissioning of nearly 20 sites. Some of the landfill generation sites we have worked on include:

QLD—Whitwood Rd, Rochedale & Birkdale

VIC—Cosgrove, Hallam Rd, Wollert, Bendigo & Ballarat

NSW—Eastern Creek, Awaba, Summer Hill, Stotts Ck & Buttonderry

NT—Shoal Bay

WA—South Cardup & Atlas

TAS—Remount



CONGRATULATIONS TO TRENT AND SUSAN ON TYING THE KNOT

Congratulations to one of our systems engineers Trent Attewell and his new wife Susan in tying the knot in Vanuatu. Automation IT wishes both of them a happy future together.



CONTINUAL GROWTH - MEET THE NEW MEMBERS OF OUR TEAM!

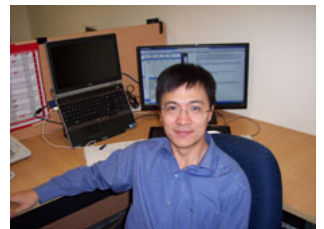
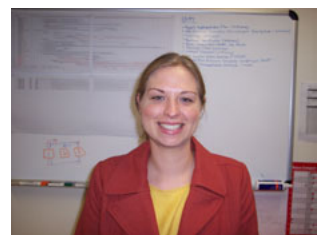
Automation IT continues to grow with the employment of three new members to join our friendly team this quarter.

To meet the demands of our internal workload, our engineering department have welcomed Pearl Bailey to the team. Pearl has been temping for a recruitment agency since 2005 before working for Automation IT . She graduated as a Sound Engineer at TAFE in 2007 and in her hours away from Automation IT works as a live sound engineer at Brisbane's live performance venues. She enjoys interior design, reading and going to boxing classes.

Gang Shen has worked in the field of industrial automation for more than ten years. Previously he was a project engineer that included duties such as system designing, programming, testing and commissioning. Gang moved to Australia in 2010 with his wife and 2 year old daughter. He enjoys swimming, computer games, travelling and spending as much time as he possibly can with his daughter. Gangs experience will be a good addition to our engineering team

Raymond Suen was previously working as a telecommunications designer for approximately two years before joining the team at Automation IT. He decided to part ways with a reputable company to further his career and seek positive change and new challenges. He graduated from QUT Gardens Point (Brisbane City) in 2008 as a Computer and Electrical Engineer. Outside of work Raymond enjoys working with computers, eating out, watching movies, ice skating, gadgets, and home ware.

We welcome each of the guys and hope that they have a fulfilling career at Automation IT !



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PROJECT NEWS

Innisfail WWTP

The project at Innisfail is now commissioned and is undergoing performance testing. While there will be some future additions to the plant such as Odour control etc, the plant is working well.

Amcor Process Works

Automation IT has been hold off on works for the upgrade of the beverage can washing line due to receipt of a large customer order. The preliminary engineering has been completed and this project will re-commence later in the year. Under this contract one of the can lines will be upgraded with a new MCC, ControlLogix PLC architecture, wiring and instrumentation.

PA Hospital TRI

Work has been expanded to cover the new BPA building (BPA Biologics Plant of the Future) and associated works. The main project has suffered some building setbacks however the automation section is still on target for delivery later this year.

ERA Ranger Power Station

Design work is underway for the new control system at ERA's Ranger Mine Power Station. The system consists of redundant Allen Bradley Control Logix PLC's with distributed processing for each generator unit. Automation IT will supply all control hardware along with new control panels and network infrastructure.

Degremont Noosa

Automation IT are continuing support of the Noosa Waste Water Treatment Plant with an upgrade of the SCADA systems on site. The upgrade has now been completed with new servers and network infrastructure along with the latest version of the Cimplicity HMI software.

Energex

Further assistance has been given to Energex to maintain their fleet of remote generation sites. Automation IT has now completed the commissioning of a remote iPhone application to provide diagnostics and monitoring for the Energex support engineers.

Brisbane Supreme Court

Work at the Brisbane Supreme Court has now reached a major milestone. Functional acceptance testing has been completed and site commissioning will be complete in July. The project is on budget and Automation IT has received great praise from our clients for the outstanding quality of the work completed.

Coolum WWTP

Work at the Unity Water Coolum waste water treatment plant has now commenced with the detailed design well underway. At this early stage, progress is in line with the schedule and completion is expected in accordance with the customers requirements.

CAIRNS HOSPITAL BLOCK D Upgrade

Automation IT has recently secured a project to upgrade the control system at Queensland Health's Cairns Base Hospital. The redeveloped Cairns Base Hospital will also provide improved health services including:

- an ambulatory cancer care centre with a new radiation oncology service
- additional cardiac care facilities
- additional surgical capacity including day surgery
- expanded intensive care capacity
- expanded birthing services, special care babies unit and a new low risk birth centre
- additional aged care and rehabilitation services
- additional beds for mental health services
- new pathology facilities.

The upgrade consists of a new Network Control System for the power distribution and generation as well as complete Energy Monitoring System to ensure that power is used efficiently.

Automation IT will be responsible for design, software engineering, PLC Panel construction, testing, installation and commissioning of the plant.

The project is expected to be complete by August 2013.



Other Industry Events:

Mining Electrical Safety Conference, Brisbane, 4th-6th July, 2012

Queensland Mining Exhibition, Mackay 24th –26th July, 2012

Queensland Gas Exhibition, Brisbane 11th –12th September, 2012