


Newsletter

Volume 14, Issue No.3

September 2013



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AT A GLANCE...

AUTOMATION IT TO ATTEND ROCKWELL AUTOMATION FAIR, USA

Automation IT will once again be attending Rockwell's Automation Fair, this year in Houston, Texas. A contingent of people from Automation IT including some customers from BMA Coal will make the trek to the USA for training and information on the latest products from Rockwell Automation and their global encompass partners.

The Automation Fair event provides an excellent educational opportunity for professionals at all levels to learn about the newest and best in automation technology. This year's event will feature a host of targeted industrial forums, technical sessions and hands-on labs focusing on advanced automation products, integrated control and information architecture, and value-add services and solutions. More than 100 Rockwell Automation Partner Companies will display their latest innovations and products. Automation Fair provides us with one-on-one opportunities to hear about the latest manufacturing and automation success stories, interview industry experts and engage with those who are pushing the manufacturing technology envelope.



AUTOMATION SAFETY UPDATE

Proposed updates to AS4024 Machine Safety Standard to directly adopt ISO 13849:2006

A lot of our customers would be familiar with the current AS 4024.1-2006 Safety of machinery standard. This standard contains two chapters (15.01 / 15.02) that directly relate to safety related parts of the control system and is used by most engineers on a regular basis.

What a lot of people don't know is that there are major updates proposed to AS4024 to take direct text adoption of ISO 13849:2006 to update AS 4024.

AS 4024 (26 parts) has already been approved for update and the committee process has identified that ISO13849:2006 should be added to the compilation of standards already included in AS 4024. This will enable users to use the probabilistic approach of the 2006 version or the deterministic approach of the existing ISO 13849:1999 version (AS 4024.1501), until the outcome from JWG1 on combining ISO 13849:2006 and IEC 62061 is available (expected 2016). This process of running the two standards in parallel also occurred in Europe during 2006-2012.

For more information on how these changes may affect your plant, please don't hesitate to contact us!

PRODUCT NEWS

New Modicon M580 PLC from Schneider

Modicon M580 is the beginning of the Mx80 journey for Schneider. A significant evolution in PlantStruxure's collaborative and integrated automation architecture, the M580 is the next step in delivering a highly integrated, high performance controller platform with a common programming environment and I/O platform that lead to reduced lifecycle costs.

Leveraging Schneider's latest innovations and meeting their customers' requirements, the M580 provides operational transparency and openness to provide customers:

- High performance (dual Core ARM processor)
- Compact (many electronic functions are integrated)
- Robustness (less electronics means increased reliability)
- Secure migration paths (from the past to the future with ARM technology)



More News...

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PROJECT NEWS

Logan Water Loganholme WWTP Inlet Works

Automation IT is now well progressed with the design of the control system for the new Inlet Works at the Loganholme Water Pollution Control Centre. Functional specifications have been produced, reviewed and approved for construction and coding has begun. Once complete, the new inlet works will be capable of screening up to 6,400 litres of wastewater per second, which is close to 2,500 litres per second more than its current capacity. The project is scheduled for completion in late 2014.

Arts QLD Citect Upgrade

After successful commissioning of the Millennium Arts complex back in 2005, the time had come for the server systems to be updated. Automation IT carried out the task and has since been working with the customer to come up with a solution for a troublesome third party billing application.

Cairns Hospital NCS/EMS

Project design and engineering is nearing completion on the NCS and metering system for the new Block D at the Cairns Base Hospital. A major addition to the project arrived recently with a third Ergon feeder being incorporated into the system. The system mains failure scenarios have become significantly more involved, a situation our engineers have taken in their stride. Commissioning of the system is planned for December 2013.

Unity Water SCADA Outstation Upgrade

Works are well progressed with all panels constructed and a large number cut over to the new system. Several challenges have presented themselves as expected but the progress is impressive given such a large number of sites and compressed timeline. Great work from all to provide our customers with the services they expect from Automation IT.

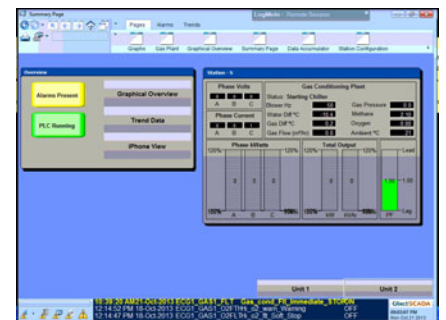
Origin Energy Monreagh Pump Station

Project design and engineering is nearing completion on the Origin Energy pump station project at Monreagh. The system comprises an Allen Bradley ControlLogix PLC with remote connection to a Citect SCADA system. This PLC monitors the plant intake and distributions of conditioned permeate water from the Talinga Water Treatment Facility (WTF) which is pumped into the Monreagh irrigation dam and distributed to specific farm fields.

ENERGEX REMOTE OPERATIONS MONITORING & CONTROL



In response to the ever increasing mobile workforce, Automation IT has been working with Energex to deliver a remote monitoring and control system for their landfill gas generator fleet. Given the volatility of the energy market, it is imperative that Energex staff can respond immediately to alarm conditions while in the field to ensure maximum uptime. By leveraging off the smart phone platform, Automation IT has implemented a system to allow generator electricians access to performance metrics for their generator fleet as well as remote starting, stopping and resetting of units. By using either a phone or tablet, electricians log into the generator control systems via an internet connection and can view the generator in real time. Furthermore, a history of alarms along with performance data is automatically downloaded to a central file store for importing into the Energex reporting system.



Other Industry Events:

PROFIBUS & PROFINET EXPO

6th November, 2013

ROCKWELL AUTOMATION FAIR

13th -14th November, 2013