

Wonderware® hotlinks

Oct/Nov/Dec 2008

Case Study: Process Simulation aided with InTouch



It's seldom you see a new application in the industrial automation arena which is so impressive that your heart is pounding as you enjoy and absorb something that appears to be truly ground-breaking. Well I, along with my colleague Jose Lobato, recently had such an experience at the premises of an innovative company called Meteng.

I have been working in the electrical control industry for close to thirty years and still remember how excited I was when I got my first computer running MS-DOS and how I felt like the 'bees knees' when I lugged this PC out to a customer's site and worked on their PLC program. The 1980s were a time of huge change with software systems and I started working with

Microsoft Windows and with OS/2 back then. Every new version of these operating systems was a real buzz as we saw rapid developments in the technology. It was the late '80s when I started working with human-machine interface (HMI) systems however I always remember the day in 1993 when I first installed Wonderware InTouch onto a Windows 3.1 PC and ran its Reactor demo. So 'gob smacked' was I as I watched a 3D-looking drum move along some conveyors that I almost fell off my chair. Since then, I've witnessed a steady evolution with many, many enhancements but nothing repeated that experience. Maybe, that is, until I saw the application that Jim Groutsch and his team of engineers from Meteng had developed.

See page 3

Product News Flash

Windows CE-based Touch Panels

Wonderware's new Windows CE-based Touch Panels offer a great alternative to proprietary hardware-based HMI panels. The units, available in 7, 10 and 15-inch configurations, have no moving parts, support short term historical logging and include drivers for most popular PLCs. Best of all they run InTouch!

See page 4



Wonderware in the News

Wonderware Freshens Corporate Website – New Look and Easier Navigation



The site, built on Microsoft technology, enables our customers to easily review Wonderware offerings by industry, solution and product. In addition, the website enables customers to search for: Wonderware Partners; Industry Solution (OEMs & VARs); Hardware; Software; and System Integrators who provide services based on Wonderware software solutions.

These improvements means customers can quickly find the real-time operations management software solutions to deliver cost reductions associated with designing, building, deploying and maintaining secure and standardized applications for manufacturing and infrastructure operations.

Wonderware in the News

Wonderware Acquires SAT Corporation to Offer Mobile Solutions

Lake Forest, CA, Aug. 21, 2008 – Wonderware, a business unit of Invensys, today announced that it has acquired Houston-based SAT Corporation to offer mobile solutions that will help drive operational excellence for its customers. With this acquisition, Wonderware will form a new mobile solutions group that further expands on SAT’s position as a leading global supplier of mobile workforce management and decision support solutions, used to enhance manufacturing visibility and task execution within industrial and manufacturing markets.

The acquired IntelTrac® Enterprise Suite product includes configurable software and ruggedized mobile hardware solutions that enable workflow, procedural and general task management capabilities typically focused around plant operations, maintenance management, production tracking and compliance applications.

“Wonderware is excited to extend its operations management offerings with these proven mobile solutions for its large customer base of more than 125,000 plants,” said Mike Pring, Wonderware’s general manager of the new mobile solutions group and vice president of Wonderware customer support and services. “Wonderware will be investing in extending both the capabilities and the value of Wonderware IntelTrac with strong support of existing

customer applications, as well as adding new industry solutions that can be delivered and supported on a global basis.”

According to Alison Smith, research director at AMR Research, mobile solutions represents a fast-growing market. “Wonderware is in a position to leverage its global sales and support channel and system integration partners to deliver asset improvement solutions across a broad range of industries that incorporate combinations of instrumented and non-instrumented assets,” Smith said.

“We are very excited to be a part of the Wonderware business unit of Invensys,” said Don Frieden, former CEO and president of SAT Corporation and vice president of mobile solutions for Wonderware. “We are very confident that our current and future customers will be even better served by the depth and breadth of the Wonderware development, sales and support channel, third-party systems integration partners, technology partners and the full range of real-time operations management software solutions.

The former SAT organization, now the Wonderware Mobile Solutions Group, will report to Mike Pring. Mike will ensure that effective working relationships are established between the mobile solutions group and existing Wonderware functions. The office will continue to be maintained in Houston, Texas.

Brisbane Breakfast Seminar



On the 22nd August 2008, Wonderware Australia ran a breakfast seminar in Brisbane, Queensland about ‘Improving Your Real-Time Operations Management Capabilities’.

The seminar was for existing and new customers alike and focused on the Wonderware System Platform and MES (Manufacturing Execution System) Solution Modules. Attendees learnt how they could optimise their operations for maximum efficiency, increased performance and enterprise-wide results using the latest software from Wonderware.

With business today being under constant pressure to produce high quality products at low cost, manufacturers are looking more and more to automated MES solutions to assist them in achieving these goals. Many customers who attended said they found the seminar very helpful and informative on the Wonderware range and learnt a lot about the possibilities for their sites to improve their process discipline and manufacturing capacity.

Thank you to all who attended and made this event the success it was.

Wonderware On The Road

North Queensland Regional Roadshow



Wonderware also participated in the North Queensland Industrial Technology Regional Roadshow 2008, visiting Gladstone, Mackay, Townsville and Mount Isa. The show was well attended, with visitors able to see a wide selection of products from the Automation and Control Industry. These included Wonderware’s award-winning software and, from various suppliers, other products like instrumentation and measuring equipment.

▲ Pictured above (from left to right) are: **Norman Pon – Wonderware Regional Manager Australia/New Zealand; an attendee; and Kylie Birlson – Business Development Queensland for Wonderware Australia**

A fruitful week in Chiang Mai



Wonderware Asia Pacific held its annual partner conference in Thailand during the week of 3rd November, 2008. Our team of promotional marketing, sales, technical and partners in the Asia Pacific region gathered together at this event in Chiang Mai, the largest and most culturally significant city in northern Thailand, well known as the “Rose of the North”.

This was a week of exciting, dynamic presentations, new product introductions, meetings, strategic planning, training and also fun-filled teambuilding activities. A total of six Wonderware corporate management

executives travelled from the United States for detailed discussions with the Asia Pacific team on Wonderware’s product roadmap and future direction. It was a productive time, sharing ideas and exploring synergies across the Asia Pacific region.

But it wasn’t all work as we had a full day of outdoor fun comprising an elephant tour, bamboo rafting, a visit to an orchid farm and bargaining at the night bazaar. This annual event is always a great mixture of business and pleasure. We look forward to next year’s conference somewhere in exotic Asia.

Wonderware at the APICS Conference

Wonderware recently participated in the Australasian Production and Inventory Control Society (APICS) 2008 Conference. The conference this year featured 'Sustainable Manufacturing', with key speakers from industry, universities, leading supply chain practitioners and APICS.

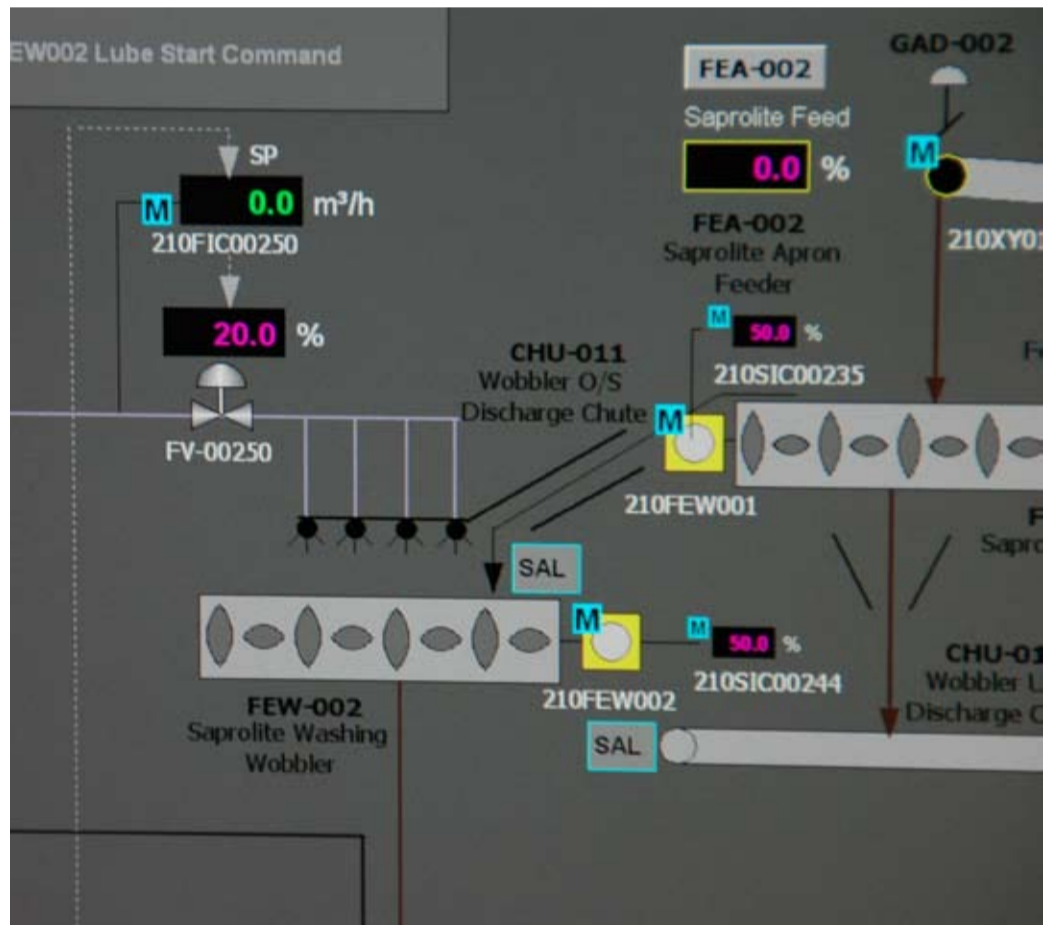
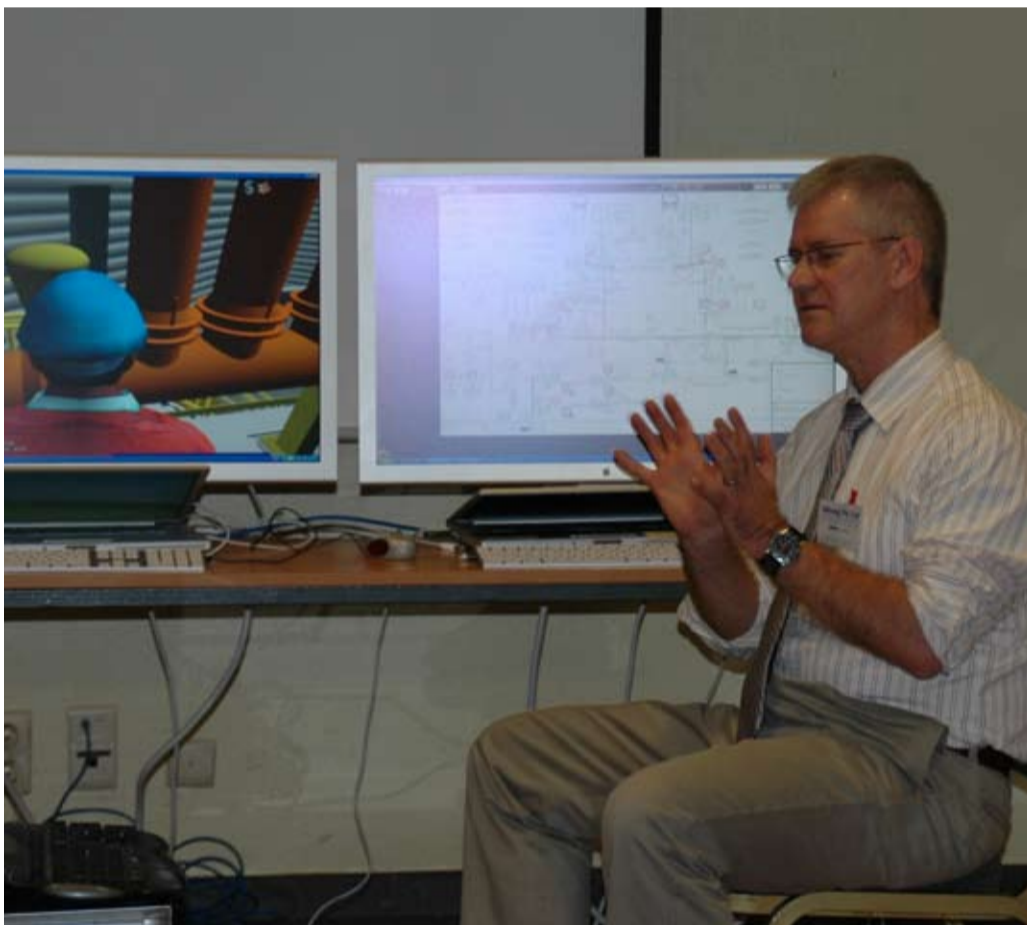
"Every day we see ever increasing demands being made on the manufacturing sector to make better use of resources. Taking action to meet these demands not only makes sense from a 'social responsibility' perspective, it also makes good economic sense. Organisations have an opportunity to become leaders of sustainable manufacture within their industry sector and

by doing so differentiate themselves from their competitors", said John Ballantyne, APICS National President.

Pictured right (from left to right) are: Martin Halsey – Wonderware Australia's Sales Manager for Queensland; Norman Pon – Wonderware Regional Manager Australia/New Zealand; and Grant Kelly – Wonderware MES Business Development Manager



Case Study: Process Simulation aided with InTouch



Continued from page 1

When Jim invited Jose and I to his office to show us how Meteng had implemented Wonderware, we already had some idea that our products were being used as part of a process simulation system. We sat down in a room surrounded by dozens of computers and 30-inch video monitors. Jim Groutsch, the director of Meteng Pty Ltd, then gave us an overview of his company explaining that they are a process engineering consultancy specialising in process modelling and plant simulation for process development, plant design and operations training and optimization. Jim then said that he loves the Wonderware software and is very happy with the high level of support from his local Wonderware office (that's a plug for me). Anyway, Jim explained that he uses the Wonderware InControl 'soft PLC' product in conjunction with Proware's METSIM simulation program to simulate a customer's process and VRContext's Walkinside 3D model viewer to create a 3D games-like environment. He displays that working process on Wonderware InTouch HMI graphic windows. These HMI windows are based upon the process P&ID diagrams. Well, this all sounds very nice and Jim set about showing us this all working.

After half an hour or so of watching processes being simulated and being told how this assists companies in the design and implementation of complex processes and has the potential to save huge dollars, I was convinced that Jim had developed a good system. That is until he handed to Jose and I a pair of those plastic 3D glasses that they hand out in the cinema; I think the last pair I put on was at Seaworld on the Gold Coast. Then Jim switched on a pair of data projectors, dimmed the lights and, on a large screen, we could see a lovely 3D-looking image of a manufacturing plant. Then the fun began. There was a guy displayed on the screen and Jim got him walking through this three dimensional plant and I'm thinking this looks like one of those shoot-the-monsters games my son plays on his PlayStation. Jim then said that we will simulate a fire in an area of the plant and sure enough we saw the flames and as this animated figure on the screen walked around the flames we heard their crackling sound move from in front to the rear on the surround sound system. Now that's cool!

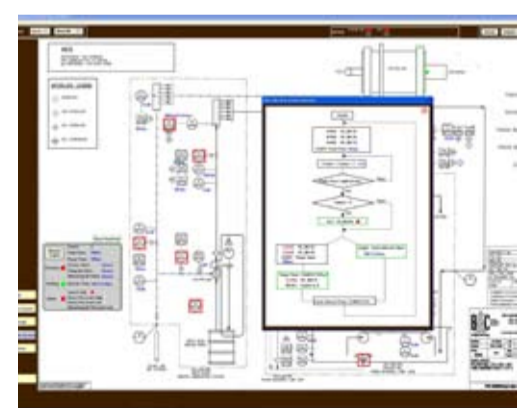
In the next part of the demonstration, Jim uses the InTouch HMI to trigger a process running and now the user has to follow the training instructions. So our animated figure has

to walk through the plant, go up to a valve, turn the valve wheel and the process cycles on – no doubt in my mind that this is a more than useful operator training tool. But then Jim showed us that the user can select the valve from an InTouch window, choose the "take me there" option and, lo and behold, you see the video monitor zoom into some valve somewhere in this 3D plant with the animated figure standing in front. You don't need to be Einstein to figure out that this is a great tool to train plant operators how to run a plant and it can be done even before the plant has been physically built.

By the end of the demonstration, Jose and I were to say the least very, very impressed. We have seen Wonderware software applied to many different applications over the years but this has to be one of the most unique and visually creative we have ever come across.

written by: Martin Halsey
Sales Manager – Queensland
Wonderware Australia

System Integrator
Meteng Pty Ltd www.meteng.com.au
contact: Jim Groutsch jim@meteng.com.au



Product News Flash

Windows CE-based Touch Panels



Continued from page 1

For stand-alone installations, benefits include faster development and more functional systems. When used in conjunction with existing control room-based InTouch systems, the immediate benefit is you only have one development and maintenance cost – the same application (i.e. graphic project) runs in the control room and in the field!

The 1000-tag, version 10.0 licence which comes bundled with each panel allows you to implement a significant field control station at a price so low it will surprise. Demo units are available for evaluation so please contact your local distributor.

Direct Text Messaging

Many users have requested the ability to send a Short Message Service (SMS) text message to a mobile phone when an alarm occurs in InTouch.

Up until now, this has been possible via a third-party provider and/or a connection to the Internet for e-mail. But potential problems include being reliant on that provider and/or exposing your PC to security issues on the Internet.

We have another solution: an application called SMTP2SMS.

This runs on the same PC as InTouch, SCADAAlarm, Wonderware Historian or Application Server. It accepts messages sent

from any of these products via e-mail and delivers them to a cellular modem plugged into a serial port (or similar) on the same PC. The e-mail is converted to SMS and delivered directly to the mobile network as if you had keyed it in on your own phone!

Upon receipt, the person receiving the message can acknowledge the alarm simply by replying to the text. They can also send a text to acknowledge all messages.

The software is compatible with various cellular modems. Call Process Software (NZ) for details.

Exciting New Software Releases

Nearing release are InTouch 10.1 and System Platform 3.1 as well as Factelligence 3.5.

Keep watch for more news soon!

Wonderware Releases Remote Response Objects

Wonderware continues expanding the reach of System Platform with the release of the Remote Response Objects. These are fully functional ArchestrA objects which integrate with the System Platform and can be customized by the user to deliver alarm notification via e-mail to remote users.

Remote users can also acknowledge alarms, and enter comments. Because Remote Response Objects are pre-developed ArchestrA objects, they are extremely easy to incorporate into a System Platform application and configuration, customization, deployment and maintenance

are easily performed within the integrated development environment (IDE).

Remote Response Objects are particularly beneficial to SCADA systems, where users are often in the field, far away from the office or plant. These types of projects generally have significant numbers of common alarm triggers which can easily be handled with object inheritance. Remote Response Objects use the most common open standards for e-mail exchange and enable scheduling recipients, including escalation if there is no response.

What is the Wonderware Developer Network?

In July, Wonderware announced the Wonderware Developer Network, an innovative online environment that provides extensive resources and a venue for collaboration for members of the Wonderware Customer First program. These include end users, systems integrators, third-party suppliers and Wonderware experts.

The Wonderware Developer Network website enables members to access a large volume of valuable electronic and human resources to help them extract the greatest amount of return from their software investment.

“The collaborative nature of the Wonderware Developer Network is a significant step in productivity for Wonderware Customer First members,” said Tim Sowell, vice president, Wonderware Solution Strategy and Ecosystem. “This new online community brings together the most active and innovative people in the Wonderware engineering ecosystem including customers, system integrators, developers and architects from all over the world. It provides access to a tremendous range of new resources, enables the sharing of ideas and examples to encourage innovation, accelerates project planning and execution, and assists all members of the Wonderware ecosystem to achieve successful software implementations.”

Members who subscribe to the Wonderware Customer First program will benefit from an experienced global team with the added benefit of software project support and exclusive access to the Wonderware Developer Network.

Wonderware Industry Pack for Water & Wastewater – Delivering Industry-Specific Solutions Through Advanced Software and Modular Components

The Wonderware Industry Pack for water and wastewater is a growing library of ArchestrA object templates, ArchestrA graphics, controls and report templates for use in the corresponding collection, transportation and distribution portion of water and wastewater SCADA applications. The Industry Pack leverages the power of the Wonderware System Platform to assist System Integrators (SIs), Value Added Resellers (VARs) and End Users in the water and wastewater industry to:

- deliver projects faster to improve return on investment
- easily adopt good development practices to improve application quality

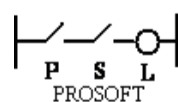
- achieve more efficient engineering for greater system functionality
- assist in the adoption of operations standards to drive consistency

ArchestrA object templates include the associated ArchestrA graphics which encompass ISA symbols, one or more physical representations and corresponding faceplates. Templates included in the Industry Pack functionality represent:

- multiple types of stations – single or multiple pump stations, lift stations, boost stations and more

- storage – ground-level, below-level and elevated
- valves of the most popular types – ball, butterfly, needle and others
- flow meters with diverse physical elements
- chemical feed systems
- generators

Available for download from the Wonderware Technical Support website, the Wonderware Industry Pack for Water & Wastewater is available free of charge to Comprehensive Support customers. Should you have difficulties obtaining it, please contact your local distributor.



Wonderware Distributors:

Wonderware Australia
Homebush Business Village
Unit 19, 11-21 Underwood Road
Homebush NSW 2140
Australia
Ph +61 2 9763 5422
Fax +61 2 9763 5722
Email sales@wonderware.com.au
www.wonderware.com.au

Process Software (NZ) Ltd
P O Box 82190
Highland Park
Auckland
New Zealand
Ph +64 9 537 4459
Fax +64 9 534 7526
Email dannyp@prosoftware.co.nz
www.prosoftware.co.nz

Wonderware International
www.wonderware.com