



## ZENITH AWARDS 2008

Date Published: 26/05/2008

### PARASYN Finalists in 3 Categories in Pace Zenith Awards.

After a busy year of work PARASYN has been short listed as a finalist in the Pace Zenith Awards 2008. This year has seen PARASYN enter an unprecedented 3 categories. As in years past we have entered the highly competitive Water and Wastewater and the Oil, Gas and Hydrocarbons categories and for the first time the Automotive and Manufacturing Category. This ambitious undertaking caps off our 3rd year of competition. The Awards ceremony will be held at 6:30pm on the 18th of June at a dinner hosted by Pace in Sydney.

Submission extracts:

### APA, Data Validation and Business Reporting

Compliance is now a reality especially in the energy industries as a result of "retailing" and the requirement for accurate information. From an information perspective this has put operational data commonly available in SCADA systems to the forefront of asset and retail manager's minds. In compliance to Vencorp reporting requirements, the APA Group (formerly of Origin Energy Asset Management) embarked on an ambitious project to automate the gathering of the data from field instrumentation including RTUs, inline Correctors, Flow Meters, Pressure meters and other instrumentation required to manage their wide spread gas reticulation network. APA needed to maintain operational performance while upgrading architecture to allow MES functionality and Information System platforms. The new platform and architecture formed the basis to support future growth, allow new business rules and reporting methods and maintainability for years to come. The APA system is totally prepared to leverage introduced standards to amalgamate with other gas distribution systems ultimately growing their overall geographic infrastructure footprint.

For the full article: [http://www.pacetoday.com.au/articles/Zenith-Awards-2008\\_z173345.htm](http://www.pacetoday.com.au/articles/Zenith-Awards-2008_z173345.htm)

### Origin Energy CSG, leading SCADA & Information System

Spring Gully is a major Coal Seam Gas (CSG) field managed by Origin Energy. The Spring Gully Well Production SCADA and Information System was developed with large scale and system sustainability in mind. Specific areas of engineering focus include the reliable and systematic monitoring of Well Head controls and configuration parameters. Very early in the design phase Origin Energy determined that Well Head site configuration may change as the performance and the characteristics of the well changes. This meant the primary focus needed to be the ease of changing site's functionality. The electrical interface and SCADA user interface needed to be adjustable with minimal fuss and low risk to production. As such the instrumentation, electrical interface, control devices, communications, SCADA and information Systems were tightly integrated resulting in a site configuration change by the "click of a button". PARASYN'S role included the design and the supply of telemetry panels, instrumentation and all the software systems. Origin Energy, Having seen the benefits of the historical data provided by the gas fields SCADA system, have now expanded the data retrieval to include the remaining portions of the Spring Gully Field including, Gas Compressors Stations and Weather Stations.

For the full article: [http://www.pacetoday.com.au/articles/Zenith-Awards-2008\\_z173403.htm](http://www.pacetoday.com.au/articles/Zenith-Awards-2008_z173403.htm)

### East Gippsland Water, New SCADA & Process Information System

The East Gippsland region embraces an area formerly administered by four Water Boards and encompasses 10% of Victoria. Implementation of a new SCADA system throughout their region was a priority; the project included work to upgrade switchboards and the SCADA under two different major contracts. The initial focus was water quality and the extensive real-time monitoring of water treatment facilities, with work concentrating on the design of field monitoring equipment, computer hardware and software. The performance outcomes include; minimising operational problems, improving equipment reliability, compliance with government regulations and improved customer service. The EGW SCADA and information System project stands out as a reference for turnkey projects that require the discipline from electrical interface through to back office web reports delivered to the system owner's desktop. The most demanding elements were the need for tight control of remote subcontractors, a highly compressed timeline owing to bushfires and water quality issues and the wide level of disciplines that needed to be coordinated to execute the project to superior



standards. Over the next few years the use of the new SCADA system will be expanded to cover other key facilities and assets. PARASYN are currently working collaboratively with EGW to investigate the use of wireless public radio technologies (NextG) to provide a secondary communications path for their critical remote sites. Trials and field testing is ensuring that the application of new technology improves overall system performance.

For the full article: [http://www.pacetoday.com.au/articles/Zenith-Awards-2008\\_z173407.htm](http://www.pacetoday.com.au/articles/Zenith-Awards-2008_z173407.htm)