



Specialist Consultants
to the Electricity Industry

PSC NEWS

News and Views from the team at PSC

Issue 40 | September 2014

ElectraNet awards SCADA Support and Project Services Contracts to PSC Australia

ElectraNet Pty Ltd (ElectraNet) is the principal electricity Transmission Network Service Provider (TNSP) in South Australia, operating as part of the National Electricity Market. ElectraNet's role is to own and manage the high-voltage transmission lines and substations that connect this State's electricity generation system to multiple customer connection points. They operate an EMS/SCADA system for control of their network which is one of the most extensive regional transmission systems in Australia, extending across 200,000 square kilometres.

PSC has a very successful history of providing SCADA/EMS (Energy Management System) services to clients across the world and has been providing SCADA support and project services to ElectraNet since 2007. In the 2013/14 fiscal year (July – June), PSC's management of the ElectraNet EMS/SCADA system achieved a record 0 Market

Minutes Lost (MML), a performance metric set and tracked by the Australian Energy Market Operator (AEMO).

PSC Australia recently tendered for and was awarded two four year contracts to provide SCADA operating support and project support services to ElectraNet. The services that PSC will provide under this contract will include SCADA development and commissioning, database and display maintenance, systems administration, 24x7 on-call response and support for specific applications.

PSC has a team of SCADA engineers based in Adelaide providing these services and can also call on PSC specialist engineers within Australia or around the world when required. The award of this contract is a major achievement for PSC Australia and we look forward to building on the strong relationship PSC has with ElectraNet and providing service excellence.

In addition to SCADA support and Project Services, PSC also provides transmission line engineering, telecommunications/networking design/build services and power systems engineering studies to ElectraNet.

For further information, contact Andrew Dunn, GM Operational Technologies at: andrew.dunn@pscconsulting.com



ElectraNet Senior Manager IT Graham Smith (left) and PSC's SCADA Team Leader Phil Watson

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PSC IT Networking and Security Capability

PSC's team of Networking and Security specialists bring extensive experience in the technical architecture, design, and implementation of Network and Security systems for utilities. This is across a wide variety of platforms and technologies including networking and security in Enterprise and SCADA environments.

Our team of consultants are highly experienced and are certified as subject matter experts in network and security. Marc DeNarie is a Principal Consultant based in our North American Kirkland office and recently completed his GIAC GSNA certification exam. This means he is certified in network systems auditing covering topics such as information systems, technical audits, vulnerability assessments and risk analysis.

Marc also holds CISSP and CSSLP certification, and other GIAC certifications in wireless network auditing, as well as cyber security handling and forensic analysis.

PSC is vendor-neutral and independent, with the sole focus of providing recommendations and advice that best meets our customer's needs. Our services in IT Networking and Security include:

- Data network strategy and asset management
- Infrastructure architecture and design
- Security review, audit and support
- Operations support

New Zealand EEA Annual Conference & Trade Exhibition 2014 Update

PSC New Zealand was pleased to again be the major sponsor of the successful 2014 Electricity Engineers' Association (EEA) Conference & Trade Exhibition which was held at the SkyCity Convention Centre in Auckland in June 2014.

This conference is the premier power engineering event for the New Zealand electricity supply industry and was officially opened by the Minister of Energy and Resources Hon Simon Bridges. It provides a national forum for key industry participants to discuss the challenges faced by the New Zealand electricity supply industry. The conference was very successful with over 1000 delegates, exhibitors and visitors attending the event and the technical paper programme full with 85 presentations received.

The sponsorship of this conference is a reflection of PSC's ongoing commitment to the New Zealand electricity industry and PSC looks forward to working with the EEA for future events.



PSC's Asia Pacific CEO Warwick Glendenning (left) and The Minister of Energy and Resources Hon Simon Bridges at the EEA Conference

AusNet Services (formerly SP AusNet) awards a 12 month Period Order Contract to PSC

PSC has a very successful record in providing SCADA and Energy Management Systems services to our clients throughout Australia. AusNet Services is a PSC client that manages three Victorian energy networks in Australia – electricity transmission, electricity distribution and gas distribution. PSC has been providing resources to AusNet Services for SCADA and EMS project and support activities on an adhoc basis since 2006 but recently, PSC signed a new contract agreement to enhance this working relationship.

AusNet Services' Operational Technology group is responsible to safely design, deliver and support real time systems and comms that enable AusNet Services to achieve its Electricity & Gas network reliability and performance objectives.

Under this agreement, PSC Operational Technology resources will work with the AusNet Services Energy Networks Team to provide Real Time Systems support services such as testing and commissioning, database and display configuration, comms diagnostics and other tasks as directed.

The establishment of this agreement is a major achievement for the PSC team and we look forward to continuing to provide SCADA support services to AusNet Services. For more information, please contact Andrew Dunn, PSC Australia General Manager Operational Technologies – andrew.dunn@pscconsulting.com



PSC Melbourne staff Ian Ulph, Dave James, Andrew Dunn, Noby Jacob, Kamal Bobal and Wolfgang Thaler.

Focus on our people Operational Technology - Wolfgang Thaler

Wolfgang Thaler is a senior EMS Support Engineer with PSC Australia based in Melbourne. Up until August 2014 this year Wolfgang has predominantly provided customer support working under contract to Alstom, for Australia and New Zealand clients with Alstom Energy Management System (EMS) installations. These systems are 24/7 mission critical and are used to control and manage national electricity transmission grids in many countries around the world.

Most of PSC's customers will know Wolfgang as a tenacious front-line customer support engineer who has provided an excellent client interface to the vendor's R&D base in the US for technical support. During the 14 years in this role

Wolfgang has achieved an excellent record with 1400 solved cases on the vendor's product. This is on average more than one hundred cases per year.

In addition to his Customer Service role, he has also provided assistance to the respective EMP upgrade and extension projects undertaken by these clients. Wolfgang is a very capable technical engineer whom is trusted by PSC's staff and clients with site and system access.

If you would like to hear more about how Wolfgang can assist you please contact: Andrew Dunn, GM Operational Technologies at, andrew.dunn@pscconsulting.com



Kate Horton celebrates 10 years of excellent service with PSC

Kate Horton is a Senior Electrical Engineer and has recently completed 10 years of excellent service with PSC New Zealand. Kate has worked in a number of different areas within the high voltage electricity industry and is a specialist in HVDC systems and system operations. Since joining PSC, she has been involved in a large number of different projects for our New Zealand clients. From the preparation of detailed training material to test plans and operating policies, Kate has produced many high quality technical documents for our clients.

Kate has been involved in a Market Systems project and a HVDC project recently where she worked on procedures and processes associated with the new equipment and systems for the System Operator. Her most recent work has been assisting the System Operator with operating documentation



PSC New Zealand GM Power Networks Chris Collie-Holmes congratulates Kate Horton

for the HVDC project and she has also been assisting the System Operator with their compliance monitoring to the Electricity Code. The PSC Management

team congratulates Kate on her excellent service with PSC and her dedication and commitment over the past 10 years.

Greg Fisk celebrates 10 years of excellent service with PSC

PSC would like to congratulate Greg Fisk who recently completed 10 years of excellent service with the company. Greg has over 20 years' experience in the high voltage electricity industry which includes contract coordination for the maintenance of HVDC transmission systems. He joined PSC New Zealand in 2004 to work in the operations area providing support to the New Zealand and Australian management teams.

Over the past 10 years, he has worked on a wide variety of projects for PSC in the support services group. These tasks have included the review of contract documentation for client projects and support agreements in Australia, New Zealand, Europe and Asia, support for the PSC board and management



PSC Group Chairman and Director Tony Armstrong (left) congratulates Greg Fisk

teams, and assistance with client tendering and PSC's marketing material.

PSC congratulates Greg on achieving this important milestone.