



Specialist Consultants
to the Electricity Industry

PSC NEWS

News and Views from the team at PSC

Issue 22 | August 2010

Transpower – PSC Alliance Contract

PSC is pleased to celebrate the successful 2nd anniversary of the Alliance agreement between PSC and Transpower New Zealand, the owner and operator of New Zealand's high voltage transmission grid. The Alliance agreement was signed in September 2008 and formalised PSC's long-standing commercial relationship with Transpower for the last 15 years and recognised PSC's excellent relationship with one of our major clients.

Each company plays an important role in the achievement of the other's objectives and in supporting the other's programme of works. PSC provides Transpower with access to our key resources to support their extensive build and maintenance programmes.

This Alliance agreement covers all of Transpower's business units i.e. Information Services and Technology, Grid Development, Grid Projects, Grid Performance and System Operator. This means PSC can continue to provide support to all areas of Transpower as a preferred supplier.

Several of the support areas that PSC work for include engineering and planning services to the System Operator, system modelling, project and support services to Transpower's Real Time & Stations (RTS) group and Market System support and development services.

PSC have also been contracted to assist Transpower with aspects of the following major projects,

- North Island Grid Upgrade Project (NIGUP)
- HVDC Inter-Island Link Project
- Telecommunications and Network Programme (TNP)

A set of alliance principles governs the relationship. Each company has a senior relationship manager and they meet on a regular basis to monitor and review the agreement. The benefits of these meetings have ensured that Transpower and PSC get real value from this Alliance agreement. The working relationship with Transpower has been enhanced with the introduction of the Alliance agreement and PSC looks forward to future opportunities to assist Transpower with their project and support requirements.

For further information, please contact Edward Hall, PSC's Operations Manager at edward.hall@pscconsulting.com

ALSO IN THIS ISSUE:

Page 2

Randy Berry – VP of Utility Information Systems and Smart Grid Joins PSC USA

Page 2

Harmonics Study for Capacitor Bank at ElectraNet's Ardrossan West Substation

Page 3

PSC Bowling Night

Page 3

Outstanding Student Award

Page 4

PSC Welcomes New Staff

Alice and Wolfgang celebrate 10 Years with PSC

PSC NEW ZEALAND

Phone: +64-4-232 7680
Fax: +64-4-232 7682

PSC AUSTRALIA

Phone: +61 1300 933 632
Fax: +61-3-9654 6833

PSC USA

Phone: +1-425-822 8489
Fax: +1-425-822 3520

PSC ASIA

Phone: +65-9030 3311
Fax: +65-6728 2192

Randy Berry – VP of Utility Information Systems and Smart Grid Joins PSC USA

PSC is very pleased to welcome Randy Berry to the PSC team in Seattle. He brings over 20 years of utilities industry experience to PSC and is a Vice President in our US operation. He will be working to develop all areas of PSC's business in North America as well as providing expert strategic advice to our customers worldwide. Prior to joining PSC, Randy held a variety of positions with AREVA T&D most recently Managing Director. Randy has a Bachelor of Science degree in Computer Science from Michigan Technological University. He is deeply involved in the utilities industry and is requested to present at technical conferences and to policy makers at the state and federal level. Randy is a board member of the Gridwise Alliance (www.gridwise.org), an industry advisory group dedicated to promoting policy and technology for the advancement of Smart Grid applications.

Randy brings a deep understanding of control systems technology and implementation. He has implemented and

managed systems for the world's largest electricity market and grid operators. His experience includes energy, distribution and market management systems and advanced technology deployments within utilities. He has experience in the US, Europe and Australasia.

Randy will be active in the advancement of all PSC service offerings in North America. As well as his North American business development activities, he will be responsible for developing PSC's smart grid consulting capabilities on a worldwide basis. He will also be developing a senior strategic advisory group using the capabilities that PSC has already developed and the capabilities of key partners to help utility executives make the big technology decisions. This advisory group will call on PSC's global resources and experience to offer a broad and practical perspective to these challenges.

Randy contributes his success to the strong support from family and friends, in particular

from his wife Cindy whom he has been married for more than 27 years. Together they have raised 3 children who are now attending universities in the state of Washington. He enjoys recreational activities such as snow skiing, backpacking, sailing and many other sports.



Randy can be contacted at (425) 922-0042 or randy.berry@pscconsulting.com

Harmonics Study for Capacitor Bank at ElectraNet's Ardrossan West Substation

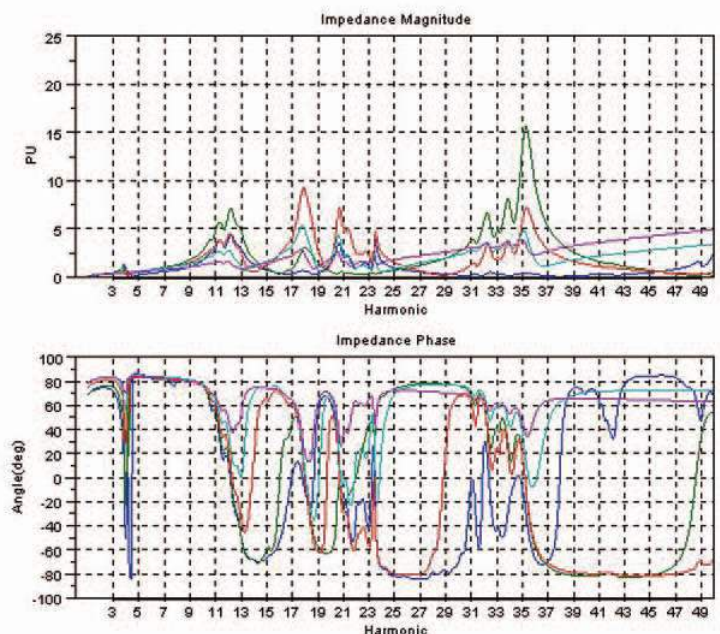
PSC recently completed a harmonic study for the addition of a 132 kV 15 MVar Capacitor Bank at ElectraNet's Ardrossan West Substation.

The study included,

- Positive sequence and zero sequence harmonic analysis
- Harmonic modelling of the South Australian network, including a nearby windfarm
- Harmonic analysis based on AS/NZS 61000.3.6
- Sizing of neutral earthing reactors on supply transformers

The study was carried out using PSS/E and PSC's in-house harmonic analysis software, and was concluded with a workshop with ElectraNet which included a detailed review of the power system harmonics and particular considerations relevant to this project.

The work carried out builds upon the already strong relationship between PSC and ElectraNet, developed primarily in the telecommunications and control systems fields.



PSC Bowling Night



In July, PSC held its Family Bowling Tournament at The Lanes bowling centre in Wellington. A good turnout and some great team outfits resulted in some friendly competition. People quickly got in to the swing of things and the odd gutter-ball at the start was replaced with more strikes as the games progressed. With plenty of spot prizes at this great social event, everyone was a winner on the night.



Outstanding Student Award

PSC is pleased to congratulate Tri Huu Le on receiving the outstanding student award for 2010 in the Master of IT in Business programme at the Singapore Management University (SMU).

The Master of IT in Business programme provides the essential business methods and management concepts and enhances graduates capability of managing risks, technology, operations & projects while nurturing and developing excellent

teamwork, leadership and business innovation skills. The programme is highly integrated with the industry via seminar talks by industry speakers and engaging real project works with various institutions in Singapore.

Tri is a member of the PSC team in Singapore, and through hard work and excellent academic performance, achieved this outstanding result. Well done Tri.



PSC Welcomes New Staff



Paul Stevens

Paul Stevens has joined PSC Australia as a Senior IT Consultant (J2EE, Java and Oracle). He has over 20 years experience in Information Technology within both government and corporate sectors in Australia and specialises in applications design and development, object-

oriented analysis and technical architecture planning. Paul holds a Bachelor of Business degree (Information Technology) and will be working on projects for our Western Australian clients.



Craig Spring

Craig Spring has joined PSC Australia as a Senior SCADA/EMS Consultant and has over 20 years experience in SCADA and control systems. He has a degree in computer science and has extensive knowledge in ABB SCADA/Control systems and AREVA Energy Management Systems. This includes

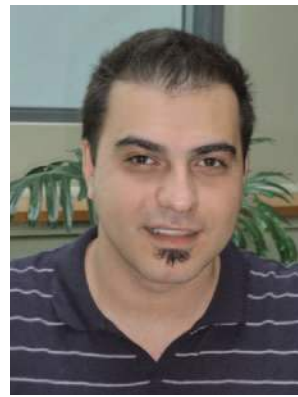
development, implementation, commissioning and product support. Craig will be providing SCADA and EMS services to PSC clients throughout Australia.



John Ng

John Ng has joined PSC Australia as an IT Consultant (J2EE, Java and Oracle). He has over 15 years experience in the IT industry. This has included working for the government, finance and industrial sectors in Hong Kong and Australia. John is very experienced in

the design, development and implementation of applications and databases using Java and Oracle technologies. He holds a Bachelor of Business degree (Information Processing) and will be assisting our clients in Western Australia with project services.



Bill Salem

Bill Salem has joined PSC as an EMS application administrator working at the Alberta Electric System Operator on PSC's long term operational support contract in Calgary, Alberta and brings over eight years of IT and telecommunications experience to PSC. He holds multiple qualifications including a Bachelor of Engineering

from the Mount Royal College and a Degree in E-Commerce from the Advanced Technical Training Academy both in Calgary. He was a senior IT analyst with the Calgary Health Region before joining PSC where he was responsible for the operational support of numerous IT systems. Bill is one of PSC's first two Canadian based team members.



Cavar Chan

Cavar Chan has joined PSC as an EMS Application Administrator working with the Alberta Electric System Operator on PSC's long term operational support contract in Calgary, Alberta and brings 20 years of SCADA experience to PSC. He holds a bachelor's degree of Science in Computer Science from the University of

Calgary. He joins PSC from Telvent Energy where he was providing SCADA system and IT operational support, and was a technical lead for projects. Cavar is one of PSC's first two Canadian based team members. To balance his work in computer system management, Cavar volunteers at a local cat shelter and also enjoys making his own wine, beer and raspberry port.



Ken Nelson

Ken Nelson has joined PSC Australia as a SCADA/EMS Engineer and is experienced in the administration, maintenance and configuration of SCADA and EMS systems for the electrical utilities industry. This includes on-call support, incident management and data historian systems. Ken has a

Bachelor of Electrical Engineering degree with Honours and will be supporting our clients based out of the Melbourne PSC office.

Alice and Wolfgang celebrate 10 Years with PSC

In recent months, Alice Faleafaga and Wolfgang Thaler have both completed 10 years of excellent service with PSC. Alice is based in the Administration group at the Tawa office and has done a great job over the past ten years ensuring a high level of service to the employees and clients of PSC.

Wolfgang is a Senior SCADA/EMS Engineer in the Melbourne office. He is PSC's key Customer Service Representative for the technical support of the ALSTOM Grid Energy Management Platforms at ElectraNet, AEMO and SP AusNet in Australia, and Transpower in New Zealand. Wolfgang has also been

involved in several successful EMP upgrades for these clients in recent years. The PSC management team congratulates Alice and Wolfgang for their excellent work and achievements over the past 10 years.