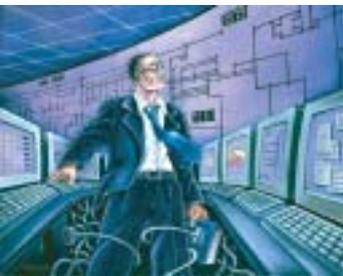




PSC renews

Transpower SCADA/EMS Contract

SCADA/EMS/MARKET SUPPORT SERVICES



PSC staff have been involved in providing SCADA support services for Transpower's National Coordination Centre since 1996. In 1999 PSC were awarded Contract IT&T 9903 SCADA/EMS Database Maintenance, Project and Support Services for Transpower which expired on 1 September 2002.

PSC's tender submission was led by Warwick Glendenning, NZ Service Manager with support from Tony Weller, Kent Horan, Keith Fisk and Edward Hall.

The contract scope of work covers database and application support, display maintenance, including customer liaison, user training and technical support for Transpower National Coordination Centre and Regional Operations Centre staff using the Alstom EMP 2.1.1 Energy Management System (EMS). The scope of work also includes the modelling and commissioning of new control and indication points from field devices like RTU's, protection relays and IED's. PSC engineers take a lead role in coordinating

the commissioning of new control and indication points from field devices in conjunction with field technicians. This role carries a great deal of responsibility to ensure that the correct control points are operated against the main circuit equipment being commissioned and that the indications received accurately reflect the state of the power system.

The contract was awarded to PSC on 5 July 2002 by Kieran Devine, General Manager Service Delivery for Transpower. The contract is for 3 years with the right of renewal for a further 3 years. The contract documents were signed by Kieran and Tony Armstrong PSC's Managing Director with the new contract taking effect from 1 September 2002.



CONTENTS

page one

PSC renews
Transpower SCADA/
EMS database
maintenance

page two

PSC certified for
ISO 9001:2000

page three

MURRAYLINK HVDC LIGHT
- AUSTRALIA
+
From the MD

page four

PSC services at a
glance



Power Systems Consultants has implemented a Quality Management System built around the requirements of ISO 9001:2000

ISO 9001 Certification to Latest Standard

Power Systems Consultants has implemented a Quality Management System built around the requirements of ISO 9001:2000.

ISO 9001 is the world's most widely recognised quality system standard. The 2000 edition of the standard is the latest version and represents world's best practice, and supersedes the earlier 1994 standards. PSC's quality management system is built around the principle to:

- Demonstrate an ability to consistently provide a service that meets customer requirements.
- Enhance customer satisfaction through effective application of the quality management system.

In announcing PSC's recent certification, Managing Director Tony Armstrong says that 'we are very proud to have obtained the ISO 9001 certification. It is the culmination of the exceptional effort of staff and reinforces our dedication to delivering on customer requirements. The benefits of the ongoing continual improvement approach of the ISO 9001 standard is ideal in cementing PSC's market leader position.

It ensures that we not only maintain our current high level of customer satisfaction, but also ensures that we have a management system to enhance improvements to better meet client needs". Third party certification is an important management tool to provide independent evidence that the quality system meets

the ISO 9001 aims and requirements. With PSC's ever increasing presence in the global marketplace the certification to a truly international standard was essential. PSC chose the JAS-ANZ accredited certification body 'Telarc' to complete the third party certification assessment process. Following a pre-assessment visit and assessment audit, PSC obtained its ISO 9001:2000 certification on the 10th September 2002, and has been added to the Telarc register as a 'Telarc Registered Supplier'.

PSC would like to acknowledge Integrated Business Improvement Systems Ltd and especially Phil Hickin who played an essential role in assisting PSC in obtaining this certification.

Phil can be contacted at:
pjh.ibis@xtra.co.nz



MURRAYLINK HVDC LIGHT AUSTRALIA

HVDC & Electrical Engineering Services



In May this year PSC was contracted to ABB Sweden and TransEnergie to assist in the design, installation and commissioning of a 200MW HVDC link (Murraylink Project) between Red Cliffs in Victoria and Berri in South Australia.

Murraylink benefits both South Australia and Victoria by enabling electricity trading in Australia's deregulated power market. Murraylink has used

existing corridors for the 200MW / 177km underground link.

PSC staff were involved in a number of areas on the project. Firstly with Mark Gilchrist and Dave Monk working on-site for ABB (the supplier) where they encountered new technologies such as optical AC current transformers, water cooled reactors, high frequency DC current transformers and the latest generation ABB control system.

Bryan Pope worked on-site for TransEnergie (the owner / operator), co-coordinating outage planning, reviewing system test results and filling in as a temporary operator.

Ranil de Silva carried out system studies for a runback scheme associated with transmission lines in NSW. Keith Fisk and Simon Lister are presently designing the runback scheme which reduces HVDC transfer in the event of a line outage.



From the MD

I am pleased to announce the first release of the PSC client news letter. This news letter is another milestone in the growth of PSC. I hope this will be an effective means for PSC to update you on our activities. I hope you find the articles interesting and please feel free to contact me regarding any issues.

2002 has been a very interesting year for me as Managing Director of PSC. I started the year with a very clear focus on taking PSC to its next stage in business. I have achieved my goal of introducing a management team and a quality system that has captured the PSC business process. The real challenge was how to do this in a way that keeps PSC unique and doesn't look like something out of an MBA 101 paper. It is still early days. We have an excellent management team in place,

and we have achieved ISO9001 certification, but have we maintained the PSC Style? Time will tell. I am pleased to say that we use the ISO9001 system as an effective means to manage our current business, win new business.

I am quietly confident that the new management & ISO 9001 will take PSC to a new level in business.

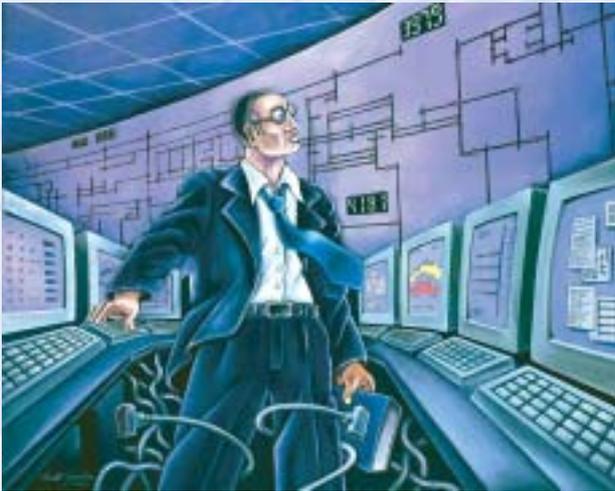
2003 is just around the corner, hence I would like to take this opportunity to thank you all for your support during 2002 and wish you and your families a great Xmas and summer vacation.

Regards

Tony Armstrong
Managing Director
Power Systems Consultants NZ Ltd

PSC services at a glance

SCADA/EMS, Market Systems, RTU/IED Support Services



Development, testing and on-going support for SCADA/EMS, Market systems

Development of customised applications to interface between different platforms

Project Management

Extensive experience with Alstom EMM products

Harris and Foxboro RTU testing and configuration

IED protocol testing

Currently supporting systems for Transpower in New Zealand and NEMMCO in Australia

Telecommunications, IT Network and Electrical Engineering Services



System Studies and Lightning Protection

Telecommunications design, operations and maintenance

IT network design, operations and maintenance

Support for operations centres

Project Management

HVDC Transmission Planning, Specification, Factory Testing and Commissioning

Transmission line project supervision

Draughting on AutoCAD

Training

Power Systems Consultants (PSC) was established in 1995 to provide engineering consultancy and support services to the international electrical power industry. PSC is comprised of Power Systems Consultants New Zealand Ltd and Power Systems Consultants Australia Pty Ltd employing about 30 staff. The company is based in Wellington New Zealand with offices in Melbourne Australia.

Power Systems Consultants New Zealand Ltd
PO Box 57095 Mana Wellington
New Zealand
Phone: +64 4 232 7680
Fax: +64 4 232 7682
Web: www.psc.co.nz
Email: info@psc.co.nz

Power Systems Consultants Australia Pty Ltd
PO Box 4109 Richmond East Victoria 3121
Australia
ABN 35-089-074-019
Phone: +61 500 555 837
Web: www.psc.co.nz
Email: info@psc.au.com