



# POWERTECH

## NEWS

Edition 1, 2009

### Hazardous areas seen as no risk!



In a logical expansion of its comprehensive on-site inspection and commissioning services, Powertech has established a new department focused on the important area of hazardous area inspection.

The new department is headed by Don Sangster, who has considerable experience in the North Sea oil and gas industry and who has the personal characteristics so critical to success in this highly specialised field.

His expertise complements Powertech's strong track record in the local oil and gas industry.

Powertech has for a number of years implemented similar inspections as part of its on-site commissioning operations.

The goal of the new department will be to bring new levels of service to this inspection area, including streamlining the process through the implementation of technology - an area in which Powertech is very much at the forefront of new developments.

Powertech has been offering its customers this service for some time. However, we now have a department and manager dedicated to hazardous area inspections.

### Powertech ranked 14 on BRW Fast 100 list



Powertech, which was ranked No 23 in BRW Magazine's 2007 Fast 100 list, has shot up to 14th in the 2008 rankings. Once again it was the top company in the mining sector.

The Fast 100 list features the fastest growing companies in Australia.

Powertech's rating was based on its financial performance and outstanding growth over the 2007 to 2008 financial years.



### Language barriers no obstacle at Goro Nickel



**C**ommissioning a mining plant in a remote area can present its own challenges - challenges which can be exacerbated if the mine's staff is not fluent in English.

In providing mechanical, electrical and instrumentation commissioning services to Vale Inco's new Goro Nickel Mine in New Caledonia, Powertech's technicians had to find a way of communicating with mainly French and Filipino speakers.

Lloyd Goddard, Powertech's Project Manager, commented that "Communicating with non English

speakers and operating in unfamiliar areas is something we will be increasingly faced with as the demand for our specialised services beyond Australia's borders grows. At Goro, through patience, understanding and persistence on both sides we were able to successfully overcome the language barrier."

Powertech is currently in the process of setting up an entity in New Caledonia to undertake maintenance and operational roles in the country.

Goro Nickel is among the best undeveloped laterite orebodies in the world, with excellent grades.

### STOP PRESS

### Powertech and Woodside agree major contract extension

Powertech has announced the signing of a variation to a 3 year contract with Woodside which extends the term of its contract for a further 5 years.

The scope of the contract is to provide "Electrical, Instrumentation, Commissioning and Hazardous Area Inspections."

The contract caters for various Woodside locations, onshore in Australia, offshore platforms around Australia as well as overseas locations.

## Brian moves to Brisbane office

I must thank all our staff and customers, who have been most generous in term of assistance and patience with regard to my recent relocation to our Brisbane office.

As we expand our range of services and geographical reach, I shall endeavour to remain a presence on both seaboard as Powertech pursues its Good to Great objective.

We at Powertech should also remain grateful, that in the current economic climate our core activities continue to be in strong demand.

We have an exciting period ahead and many new opportunities have presented, with which to grow and learn together.

Brian Grimmer  
Managing Director

## Worksafe award for Powertech

Following its assessment in terms of Worksafe criteria, our HSE Management System has gained a Worksafe Plan Gold certificate of achievement.

The certificate was presented to Powertech at Worksafe's annual awards by State Treasurer, Troy Buswell.



*Powertech's Don Gordon accepts the certificate from Troy Buswell. Also in the picture from left to right are Kaine Weighell, Jonathan Stow and Tom Roberts*

## Welcome to the team

Powertech would like to welcome the following new staff members to our team: Paul Carmignani - Finance Director; Peter Midgley - Business Systems Manager; Henry Vanderkurr - Powertech Rentals Qld Manager; Steve Binnie - Project Manager; David Ward - Project Manager; Don Sangster - Hazardous Area Manager; James Fleay - Electrical Engineer; Helen Nadalini - Employee Services Coordinator; Samantha Reedman - WA Receptionist.



*The Powertech commissioning team at Bluewaters.*

## Bluewaters nears start-up

Powertech is currently actively involved in the commissioning of Griffin Energy's new Bluewaters Power Station in Collie. The Powertech team is providing electrical and instrumentation commissioning services at both Bluewaters 1 and 2.

The Bluewaters Power Station is the first privately owned coal fired power station in Western Australia and a key contributor to Western Australia's energy mix.



## Montara oil project on the march to full production

PTTEP's Montara oil project is firmly on the march to production in the Timor Sea.

The topside, which was constructed in Thailand by Clough, will soon be floated 650km from Singapore for connection in Darwin, where Powertech's team will undertake the final commissioning of the platform.

Powertech's specialists are currently involved in overseeing construction and

undertaking verification work on the floating production and storage outloading facility (FPSO) which is reaching completion in Singapore.

At all stages, Powertech's commissioning process is focussed on ensuring PTTEP's high quality standards are satisfied. To aid in the process Powertech has implemented its client-specific commissioning management system, Completions Connect, on this project.



*The Montara Team (from left to right) Back row: Martin Cleary, Jason DeSilveira, Peter Burakowski, Ben Larsson, Charlie Dunn, Brent Gilbert, Adrian Betti, Arvin Singh, Matt Rafferty, Gordon Sole. Front row: Peter Young, Chris Drake-Brockman and Gerry O'Neil.*

# Telfer team works on boosting plant availability

As part of a maintenance contract with Newcrest Mining, Powertech has been providing its specialised high voltage protection and circuit breaker testing and maintenance services to the Telfer Gold Mine since August 2008.

In addition to providing maintenance services, Powertech's Telfer team is also identifying and analysing maintenance issues at the site with a view to the implementation of a maintenance regime that will boost plant availability.

At the heart of this regime will be a tailor-made service management system to be developed by Powertech to plot progress, store plant history and monitor the program's effectiveness.

Telfer is Australia's largest gold mine. It is located 1840km N/NE of Perth.



## Powertech exhibits at major O&G show

Powertech displayed an array of equipment on its stand at the recent 2009 Australian Oil and Gas Conference & Exhibition in Perth, Western Australia.

Billed as the largest Oil and Gas Expo to be held in the Southern Hemisphere, the event attracted exhibitors and participants from all over the world.

The event generated a number of leads and was instrumental in confirming Powertech's commitment and involvement in the Oil & Gas industry sector.

## New Woodside gas plant stabiliser undergoes final tests

A Powertech electrical and instrumentation team is currently undertaking the commissioning of Stabiliser 6 at Woodside's Karratha gas plant on the Burrup Peninsula.

As with previous similar installations at the plant, Stabiliser 6 is designed to stabilise LNG condensate to levels that meet product quality requirements.

The services to be provided by Powertech include the execution of simple loop testing, the execution of complex loop testing and general commissioning support. Completion is scheduled for May 2009.

## Knowing and understanding your equipment

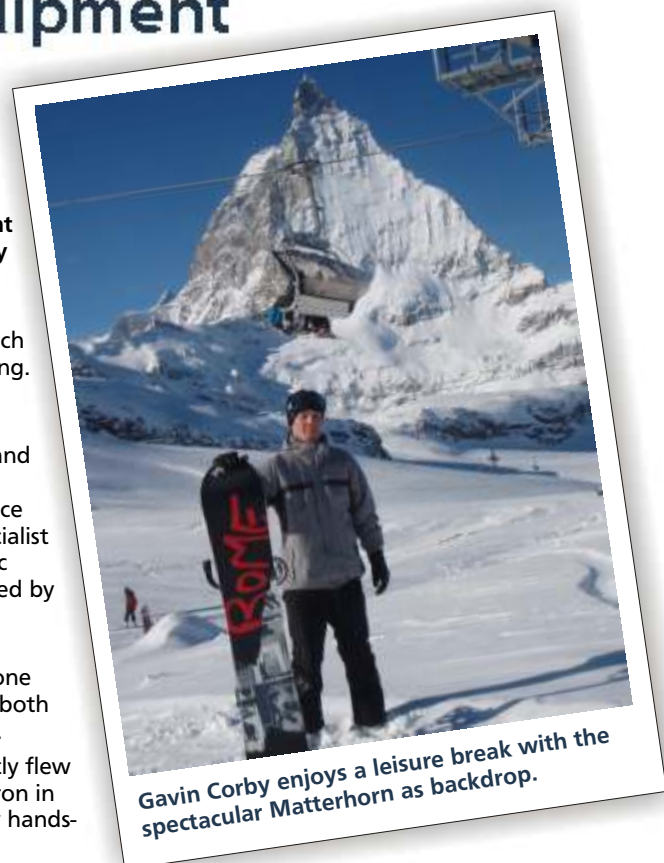
In order to operate efficiently as commissioning specialists it is critical that our people know and understand the plant and equipment that they will be commissioning before they get to site.

This is why we place such heavy emphasis on training.

In line with this commitment senior technician, Gavin Corby and engineer, James Fleay recently travelled to France where they received specialist training on the automatic voltage regulators supplied by Basler Electric.

In addition Powertech technicians have undergone protection relay training both locally and in Melbourne.

Also, Powertech recently flew in a specialist from Omicron in Singapore to provide key hands-on training.



Gavin Corby enjoys a leisure break with the spectacular Matterhorn as backdrop.



Miro Bukara (right) and James Fleay (above) undertaking internal training at the Powertech offices.

## New equipment on Powertech Rentals website

The Powertech Rentals website has again been updated to include recently introduced new equipment.

The website showcases our full range of equipment including technical information and downloadable data sheets.

View our website at [www.powertech-rentals.com.au](http://www.powertech-rentals.com.au) for full details on our equipment range or contact us on 1300 736 292 with any enquiries.



## Henry to head Queensland Rentals Division

Henry Vanderkuur has recently been appointed Manager of Powertech Rentals Queensland.

He started his working life qualifying as an electronics technician in New Zealand. In the mid 1980's he came to Australia and got involved in selling electrical test and measurement equipment.

Henry spent nearly nine years as a sales engineer and then as a state manager for Nilsen Technologies before starting his own business selling test and measurement equipment. In 2007 Henry decided to sell his business.

The experience he has gained over many years makes him an ideal person to grow our Rentals Division on the Eastern Seaboard. Henry is married with two children and two step children. He's an avid DIYer declaring he has a shed full of power tools.

## Fluke 1630 Earth Ground Clamp Meter - a Stakeless testing system

The Fluke 1630 uses the Stakeless testing method, eliminating the need to disconnect parallel ground rods and find suitable locations for placing auxiliary ground stakes.

This saves time and enables users such as industrial and utility electricians, and field service electricians and contractors, to perform earth ground loop tests in locations where it is not possible to use other techniques, such as inside buildings or on power pylons.

With the Stakeless testing method, earth ground stakes are no longer necessary.

The Fluke 1630 Earth Ground Clamp is placed around the earth ground rod or the connecting cable.

A known voltage is induced by one half of the clamp and the current is measured by the other half.

The tester automatically determines the ground loop resistance at this grounding connection.

## Celemetrix Roadshow

Powertech Rentals were sponsors of the Celemetrix Roadshow held in Perth and Brisbane on 21st and 23rd October 2008 with attendance from both Powertech and Powertech Rentals representatives.

The road show included seminars in the areas of Data Communications, Power Quality and Thermography with demonstrations of equipment being conducted.

## Calibration Department completes upgrade

Powertech Rentals' calibration department has completed its equipment upgrade. We now have a full time calibration technician on board to ensure our equipment calibration and maintenance runs smoother.

The new lab equipment - including Inductance Standards, HV Dividers, Power and Harmonic Measurement and HV Glove Testers - have now been fully integrated into the calibration lab.

The new lab standards expand the capability of the calibration lab to now include the calibration of Power Analysers, HV Gloves and Motor Testing Equipment to traceable standards.

## Omicron CT Analyzer - a unique measurement aid

OMICRON's CT Analyzer is a unique lightweight electronic multifunctional instrument designed to meet the highest standards for performing excitation, ratio, polarity and winding resistance tests on current transformers (CTs) as well as burden-impedance measurement.

Because of the patented (EP 1 398 644 A1) low voltage test method it is possible to test CTs with a knee point voltage up to 15 kV without stressing the insulation of the CT (max. 120 V test voltage).

The extremely small and lightweight (< 8 kg / 17 lb) hardware is particularly beneficial for on-site testing.

Testing of current transformers can be carried out to an extremely high level of accuracy. The accuracy level (0.02 % / 1 min.) makes the CT Analyzer the ideal tool for calibration and verification, not only for protection CTs but also for class 0.1 CTs for metering

## HV Glove testing service introduced

All HV and LV Insulated Gloves are required to be tested every 6 months over their 3 year lifespan.

Powertech Rentals now has the facilities to electrically and mechanically test HV and LV gloves ranging from Class 00 to Class 4.

Ensure that your gloves are tested properly. Contact Powertech Rentals on 1300 736 292 for a quotation to have your gloves tested.

