

THE INTERROGATOR

Transelect talents showcased

The Transelect team was thrust into the spotlight when they "starred" in a training video for Bluescope Steel.

BlueScope engaged Transelect to provide crew and equipment for the filming of a new SURELINE® sub transmission poles' installation training video earlier this year.

SURELINE® Marketing Manager Penne Dawe said "Work began early in a vacant parking lot set against the rolling foothills behind BlueScope Steel's Lindenfel's House".



The Bluescope cameraman captures the action as demonstrated by Reece Ayuso watched by Ty Madden.

Penne said during the day the Transelect provided a top crew who demonstrated their skills working with SURELINE steel poles for the camera.

"Kurt Schuhmeier was the crew project manager and he and the crew gave great support to the project during the all day film shoot." she said.

The new film will be edited to deliver a concise demonstration of how electricity industry contractors can work with the SURELINE distribution and transmission poles.

The film will soon be available on DVD and via the new SURELINE web site www.sureline.com.au.

Traffic tests Transelect team

Closing the Princes Highway was one of the challenges faced by the Transelect crew when carrying out work on a recent project involving the upgrade of infrastructure to a retirement village at Milton on the South Coast.

Project Manager Mark Kelleher said traffic management included diverting vehicles around the site on the busy highway.

The project involved the design and construction of a padmount substation, under cabling and upgrading overhead infrastructure, including new poles and high voltage overhead conductors to the Illawarra Retirement Trust's Sarah Claydon Village.

A team of 15 Transelect workers were involved with the project, which was designed by Transelect engineers.

In other South Coast projects Mark said work was also almost completed for the



Transelect and Integral Energy worked as a team on the Milton project.

provision of underground reticulation to Stockland's Bayswood Estate subdivision at Vincentia.

Transelect crews, including site co-ordinator Brad Clarke, Steve Clark and Grant Kime, started the project in October 2007. This is another successful project designed by Transelect engineers.

Shoalhaven City Council also engaged Transelect to install overhead infrastructure to provide power supply at its' new sewage pumping station at Burrill Lake, near Ulladulla.



Ryan Kupronow, Reece Ayuso and Brendon Knight were among the 15 Transelect workers on the Milton project.

STOP PRESS

WE'RE ALMOST THERE

In October this year we hope to achieve three years without a Lost Time Injury (LTI).

Our Medical Treatment Injury (MTI) frequency rate is 6.62 which is a calculation that equates to - for every million man hours worked we are having 6.62 MTI's which is a great achievement for our industry.

We are proud of our safety record and as always SAFETY IS OUR TOP PRIORITY.

Apprentices

TPE and Transelect held the first Apprentice Graduation evening recently at Murphy's Restaurant at Unanderra

Managing Director Tony Pollard handed out the certificates to Aaron Rey, Ben Lowe, Chris O'Dwyer, Chris Pretzler, Craig Langlands, James Twyford, Jason Wilson, Joe Redfern and Stephen Pollard.



ABOVE: (back row) Graduates Ben Lowe, Chris Pretzler, James Twyford, South Coast Project Manager Mark Kelleher, Chris O'Dwyer and (front) TPE Project Manager Dave Hough Aaron Rey and Jason Wilson.

LEFT: (left to right) Transelect Business Manager John Duck with graduates Stephen Pollard, Craig Langlands, Joe Redfern and Managing Director Tony Pollard.



Occupational Health and Safety

OH&S Co-ordinator
Gerry Crilly

Proving Underground Electrical Conduits.

BACKGROUND

There are no written procedures from the electrical network supply authorities for breaking into an existing buried electrical conduit. All buried electrical conduits are coloured orange. The basic rule is - any buried electrical conduit whose contents cannot be visibly identified at each end, must be treated as containing live electrical cable and must never be cut through. Cable locaters can be used to indicate the presence of energised cables but still will not provide a 100% guarantee of a charged conduit, particularly when there are rows of conduits in place. If there is no other means of positively identifying a conduit an inspection window may need to be cut into the conduit for this purpose. The project manager should be notified prior to any work of this nature occurring.

RECOMMENDATIONS

In some instances cables may be sitting hard up against the internal face of the conduit, so the act of cutting into the wall

of the conduit must be done with extreme care. Only experienced tradesmen should ever attempt to apply this method of proving a conduit and only after a written Risk Assessment has been completed.

In addition to standard PPE (Personal Protective Equipment) such as cotton drill long sleeves & trousers, safety boots, safety glasses & hard hat, additional safety precautions must also be considered to ensure operator safety. Use of dust masks or other appropriate respirators, suitably rated insulated rubber gloves and insulated tools must be used.

The following examples outline some of the different methods used by experienced operators to safely break into a conduit for inspection purposes, the risk assessment should take into account site conditions to determine the most appropriate method to be used.

Note: Insulation of the cable must not be affected by any method used.

1. Wedge Cut Method - Using an insulated hacksaw, cut a wedge in the conduit

wall and chip out using an insulated hammer & chisel.

2. Flat Grinding Method - Using a small angle grinder with care, shave layers of the conduit wall, ensuring that only the flat surface of the grinding wheel makes contact with the conduit.

3. Heat & Peel Method - Softening the conduit wall by the application of a heat source such as a heat gun, or gas torch, and peeling back the softened layer with an insulated knife.

Note: This method may introduce other hazards such as fumes and the risk of fire or explosion from gas particularly in trenches. All of these methods should be practiced by the operator to ensure competency, prior to attempting the task in the field.



Safety Record

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MAR																															
APR																															
MAY																															
JUNE																															
JULY																															

INJURY FREE
 REPORTED INJURY
 MEDICALLY TREATED INJURY
 LOST TIME INJURY

Total no. of days LTI free	897
MAR 2008	
Total no. of days LTI free	927
APR 2008	
Total no. of days LTI free	958
MAY 2008	
Total no. of days LTI free	988
JUNE 2008	
Total no. of days LTI free	101
JULY 2008	

Staff Profile of the Month

Chris Brown
Site Co-ordinator

Years with TPE A decade next May

Previous Experience A fitter by trade and has worked in most building trades (except plumbing).

Background Born in Wollongong, born and bred in Mt Kembla (yes another one!) and now lives in Berkeley.

Personal Married to Leanne with children Mariah, 10, and Kalleigh, aged three.

TPE Challenge : Keeping up-to-date with the changing technology. "Things are getting smaller and trickier, particularly in the CCTV field". Chris also says his job involves "doing the hard civil work".

Hobbies Musician – base player in a tribute band, self confessed "motor head" and enjoys spending time with his family and friends.

Favourite place for coffee meal or beer His garage enjoying music and a cold beer with friends.



Chris Brown

Information Training Day

TPE and Transelect employees have the chance to catch up with all the latest news at the recently introduced Information Training Days which are being held quarterly at the Unanderra depot.

At the most recent event, Transelect Business Manager John Duck got the award for the most comprehensive presentation while others to address the group included General Manager Rob Clayton, OHS&E Coordinator Gerry Crilly, Service Department Manager Tony Stone and Projects Department Manager Dave Hough with the "final word" from the boss, Tony Pollard.

After hearing from the division managers, Tony told the group the good news that the company had a reasonably good financial year - "proof that they were doing it right".

"As costs go up, the market gets tougher and we have to work harder, smarter and more efficiently," he said.

"By adopting this strategy, I am confident the next financial year will be good".



ABOVE: TPE and Transelect managers had an attentive audience at the Information Training Day.



LEFT: Craig Cook, Ryley Dun and Grant Kime enjoy 'bonding time' at a barbecue which followed the information training day.

BELOW: MD Tony Pollard at the information training day with (left to right) Jason Wilson, Gerry Crilly, Grant Kime, Ryley Dun and Mark Kelleher.

transelect
INNOVATIVE POWER SOLUTIONS

DANGER

**POWERLINE CONSTRUCTION
WORK IN PROGRESS IN THIS AREA**

FOR ACCESS TO THE WORK SITE PROCEED
TO THE SITE INFORMATION BOARD
LOCATED AT [REDACTED]
FOR INFORMATION OR INSTRUCTIONS

This is one of two new information boards being introduced at all sites as part of Transelect's ongoing commitment to best practice.



Technical Tips

Tony Pollard
Managing Director

NEW WIRING RULES

As most of you know new wiring rules were issued late last year and are now mandatory in all Australian states.

Developed by Standards Australia and industry experts, the new rules are based on consideration of experience gained, new practices, requests from users and IEC installation rules.

WHAT'S CHANGED?

The new requirements affect installation and verification practices of the 120,000 licensed electricians and 30,000 electrical contractors as well as electrical inspectors, design engineers, equipment designers, building designers, mining engineers etc.

The new requirements include:

- Specific design compliance and documentation
- Additional protection by RCDs, reclosing RCDs
- Switchboard forms of separation and protection for arcing
- Faults, discrimination, main switches, switchboard access clearances, neutral and earth sizing
- Voltage drop for onsite substations installation couplers, cable colours, underground cable location marking segregation clearances, clearances for recessed luminaires, bonding of conductive reinforcing in bathrooms
- Main earth labelling, electrode material requirements, generating set connections including transfer switching, simplified cable ratings, sanitizing areas, earth fault loop testing
- Surge protection
- WS wiring systems
- IP ratings.

Any TPE or Transelect employee wanting a copy of the rules should contact their respective Manger

Dave all at Sea in Desert

While Project Manager Dave Hough is usually more comfortable in the surf he recently ventured into the desert – on the other side of the world.

Dave travelled to Qatar, an Arab Emirate in south west Asia, to represent TPE on the invitation of Commend Australia.

He travelled 80 kilometres north east of Doha, the capital of Qatar, to the world's largest construction site, Ras Laffan



The world's largest construction site, Ras Laffan Industrial City.



Industrial City. More than 200,000 people work in Industrial City, which hosts an industrial port and several industrial facilities.

TPE were invited by Commend Australia to work on a joint venture to design and commission a PAGA (Public Address - General Alarm) system for this site. Our proposal has been submitted and we await the outcome.

Dave outside the new Islamic museum which took less than 12 months to construct.

Sounds like a Fishy Story

Dave Hough and Brad Clarke each won the \$200 prize money for best boat and best fisho at the inaugural TPE/Transelect Fishing Competition held off Crookhaven Heads.

While others went for quality such a good snapper or bream they bagged out on flatties within the first hour of the comp.

Tony Pollard, Mitch Pollard and Riley Wilson pounded their way out to the shelf on the Saturday but the effort was worth it by hauling in 5 good size (15 – 18kg) yellow fin and half dozen good size stripies.



LEFT: Mitch Pollard and Riley Wilson proudly show their catch.

BELOW: (left to right) Tony Pollard congratulates the winners Dave Hough and Brad Clarke with runners-up Riley Wilson and Mitch Pollard.

