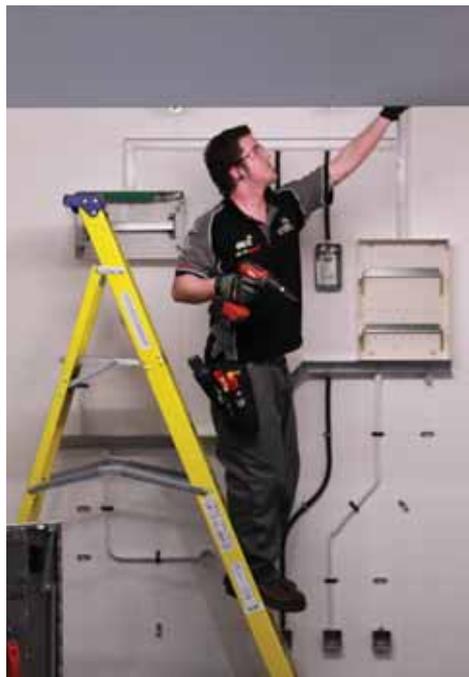


CSL HELP WITH ECANZ AND WORLD SKILLS SUCCESS STORY //

Shaun McInerney from Bremca Southland wrote this article.

Previous ECANZ Challenge success within Bremca Southland made it a must for me to enter.

In 2009 I entered the local Invercargill ECANZ Challenge for the second time and was placed 1st, gaining myself a ticket to the nationals in Christchurch where I was placed 3rd. Being the highest scoring age eligible competitor, I scored a spot to compete in the 2010 WorldSkills Nationals. Luckily enough that went great and I then managed to secure myself a spot in the 2011 NZ Tool Blacks team heading to London in October. I was representing the country in Skill 18 Electrical Installations, one of the two electrical categories. The other category was represented by Auckland's Daniel Berry from Dalton Electrical in Skill 19 Industrial Control.



Shaun finishing off the preparation

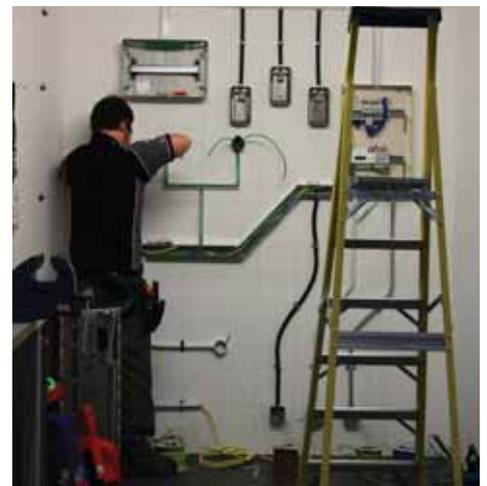
The team was officially announced in December 2010 so I had just short of a year to prepare. Each competitor was appointed a National Skill Expert/Mentor. My mentor was 2007 Competitor & ETCO tutor Luke Boustridge. I consider myself very fortunate to have had Luke as my mentor; his previous competition experience was great to have. He knew the pressure I would be under and the international standard of workmanship to be expected.

The NZ Tool Blacks team consisted of 17 under 22 year olds from across the country, competing in all sorts of trades from Hairdressing, Bricklaying to Floristry and Automotive Refinishing.

A big hurdle I had to tackle before getting to London was to become familiar and competent with KNX Home and Building Automation, which was quite difficult as it is still very new in NZ. In fact I was in the first KNX Course to be held in NZ. KNX is huge in Europe, so big it is even built into some countries apprenticeships, which was a great advantage for those competing countries.

The 3rd of October crept up very quickly and soon enough we were at WorldSkills International 2011 London, there was no more time to prepare, this was it. During the year we had several team camps where the enormity of the completion was explained, after hearing all this and seeing photos I thought I was ready... I was wrong; it was extremely overwhelming, just under 50 trades, 45 countries and close to 1000 competitors. It was alot to take onboard and still try to stay focused.

First day of the competition was familiarisation, where we got a chance to check out all the different gear etc. You could have cut the nerves and excitement with a knife as all 30 competitors waited around for instruction. The four days flew by and all the training prior to the competition paid off.



Shaun doing competition preparation training

I had really out done myself. Doing so well I was awarded a Medallion for Excellence. Keeping a 3 competition streak going for Electrical Installations, with Luke, 2009 competitor Ben De Groot and myself all holders of a medallion. In total the NZ team was awarded 7 Medallions.

Looking back on the competition, the hardest thing was managing to stay so focused for such a long period of time.

None of this would have been possible without the brilliant support from my employers Bremca Southland and my sponsors ETCO, HPM Le Grand, Ideal Electrical Suppliers, Weidmuller/CSL and Hilti. Bremca, Craig Hillman and Nathan Howe, have been behind me every step of the way, taking me through my apprenticeship and continuously driving me to succeed. This experience was a once in a lifetime and has really opened my eyes to the Electrical Industry internationally.

I plan now to make a big move from Invercargill to Auckland to keep training. Am enrolling in a PLC course at Manukau Tech and am going to work for Dalton Electrical.



WEIDMULLERS CONSTANT COMMITMENT TO INNOVATION //

THE TERMSERIES

When referring to products, innovation does not necessarily mean that a product has to be new. Innovation can also mean taking something proven but dated and making it better. Weidmuller's new TERMSERIES is a perfect example of this fact.

Weidmuller have revitalised the design and functionality of the slim line 6mm plug in relay. This revitalisation is achieved not only by increasing the products functionality but also re-engineering the overall design.

The overall product size (now 88mm high & 90mm long) has been reduced to allow the unit to be installed in a larger range of enclosures. This reduction has also allowed for the products structural strength to be increased. 'No longer will the 6mm relay bend and flex.' Re-engineering has also been performed on the relay hold down clip, now

strong and robust with an integrated ejecting lever. LED indication has also been integrated in the hold down clip; this innovation defuses the indication light allowing visibility in all light levels. Cross connection has also been re-designed, now cross connectable on all levels. This cross connection functionality has also increased with the symmetrical design of the relay, 'now possible to cross connect contacts to coils.'

Models are available for all voltage types with a switching rating of 6A at 240V. A new multi voltage model has also been developed that can be used in any application from 24V to 240V AC or DC.

The New TRS relay has been designed with your installation needs in mind. Please contact Cuthbert Stewart Ltd for further information.

**Weidmüller**

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ABOUT COOPER MEDC - DESIGNERS & MANUFACTURERS OF HAZARDOUS PRODUCTS //

Designers and manufacturers of alarm, signal, control and notification equipment since 1975, Cooper MEDC has developed a range of products specifically designed for harsh environmental conditions and where there is a risk of explosion due to the presence of flammable atmospheres both offshore and onshore.

The extensive range of manual, visual, audible alarms and loudspeakers has been developed in close collaboration with customers to deliver the best combination of performance and safety.

Through its vast global presence, technical sales force and engineering experts, Cooper MEDC meets the demanding standards of a multitude of industries.

Product Specification & Certifications

Cooper MEDC specialises in custom finished products to specific requirements. The full product range totals over 100 items, all of which are appropriately certified to internationally recognised standards, e.g. ATEX/CENELEC, UL, ULC, CSA, FM, SGS, PTB & IECEx.

Cooper MEDC holds the International Quality Assurance Standard, ISO9001, which covers all company activities from design and development, to manufacture, sales and after sales service.

In addition to the above certification, Cooper MEDC products have approval from The Ministry of Defense, British Gas and UK Coal Mining.

Design & Development

Cooper MEDC's in-house design and development team includes mechanical, electrical and electronic specialists. 3-D CAD is used extensively throughout the design process. MEDC will undertake a bespoke design, certify and manufacture

programs. Products developed include Gas Detectors, Control Enclosures, Flame Monitors, Vehicle Locators and Fork Lift Truck Electrical Systems.

New Products

With the continuing need to meet the demands of the market new products are continually being designed



Cooper MEDC launches the new Pull Handle Call Point PH1

Like the new PH1 Pull Handle Call Point has been designed for use in harsh and hazardous areas and is both ATEX and IECEx certified. Further global certifications will follow.

The unit is also certified IP66 & IP67 to an ambient temperature range of -55°C to + 70°C.

Extensive design and development, combined with our desire to meet our customers needs, led the design of the PH1 to become a true double action pull handle call point, purpose built with large GRP handles which work effortlessly with industrial PPE. The "Lift" and "Pull" action enforces the double action when raising an alarm thus preventing accidental triggering of the call point.

The PH1 is an industry first for IECEx certified Pull Handle Call Points. Benefitting from being constructed out of glass reinforced polyester, GRP, making it a corrosion free body, cover and handles along with retained 316L stainless steel cover screws. The choice of material highlights Cooper MEDC's commitment to quality and product life.

As GRP is lightweight in comparison to other materials used in hazardous areas this aids the ease of installation. The PH1 was designed to work on both cable and conduit installations making it compatible for a variety of applications.

Our extensive knowledge of GRP combined with our manufacturing capabilities has helped Cooper MEDC develop the PH1 into a rugged, corrosion free product that complements our current product offering.





LABELS – THINKING AHEAD //

Cuthbert Stewart's printing and engraving and custom printing business has seen rapid growth in the last three years, to the point that we now have several trained staff operating both Laser and Rotary engraving machines, along with our cable and core marking printer systems.

As well as the Electrical industry our Value Add business is now supplying, Agriculture, Gas, City Councils, just to name a few.

To add another string to our bow, we have recently purchased equipment enabling CSL to supply Braille labels to aid the

partially or unsighted folk in our community. This venture came about with the realization that all public buildings, elevators, taxi's etc are being required to have these signs/labels displayed.

Under the guidance and direction of the Royal New Zealand Foundation for the Blind, we are now producing quality Braille signage, endorsed by the RNZFB.

Other engraved/etched products produced are Pole Numbers, schematic, mimic panels, panel doors, PLC's, push buttons, in laminated Plastic (Formica/Trapholite).

For more details contact Denis King 021 987 375, or visit our Website www.cuthbertstewart.co.nz and search under Products-Catalogue-Identification.



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