



## Profile: Greg Hirst

Greg Hirst joined JLE Electrical early this year as an Automation Engineer. With a Bachelor of Computer and Mathematical Sciences (majoring in Computer Technology) JLE is the right place for Greg, but he has had some diverse roles along the way.

As a university student Greg spent each summer working at Methanex, the world's largest supplier of methanol to major international markets, which set him on the path towards a career in automation.

After completing his degree at Waikato University, Greg battled to find work in his field. He assembled children's toys until something more suitable was available close to home. Following that he spent two years assembling electronics for a small company near New Plymouth, then was employed as an Automation Engineer by Inglewood company Definitive Solutions for another two years.

Now that he's been with JLE for almost six months, Greg feel he's found his feet and is really enjoying the diversity of projects he has worked on to date.

"Since working for JLE I have done automation for Fonterra, Downer EDI Works and Tegel but have spent most of my time at Greymouth Petroleum," says Greg.

"The most interesting challenge to date has been my two stints out on the Umuroa, an offshore FPSO."

Greg was born and raised in Inglewood and likes the fact he's close to home now, but he's seen a lot of the world traveling through Europe and the UK and quite open to the idea of more travel at some stage.

"I went to Germany during the soccer world cup. There was a large group of us and we played about 10 games of soccer over five weeks which was a great experience and I would love to do it again one day."

In addition to playing soccer Greg also plays cricket, loves to ski and is a keen follower of all motor sport.

**For further information please contact Greg Hirst on (06) 758 7394**



## Welcome to Darryl Wai



Darryl Wai joined the JLE New Plymouth team in March 2009 as an Instrumentation and Electrical Construction Engineer. He recently returned to New Zealand and is glad to be back on kiwi soil.

Darryl was born and raised in Palmerston North, where he earned a Bachelor of Engineering in Automation and Control from Massey University.

He is an experienced engineer, having worked on projects for Todd Energy, Energy Infrastructure Limited, Vector, and Swift Energy, with Plant and Platform Consultants in New Zealand.

While based overseas, Darryl worked for Chicago Bridge and Iron where he worked on the Gas Interconnector pipeline between the United Kingdom and Belgium.

Darryl is a keen sportsman whose interests out of work include canoe polo, white water kayaking, squash and tennis.

**For more information please contact Darryl Wai on (06) 758 7394**

"After 18 months overseas in the United Kingdom, my OE had come to an end and I was just ready to come home," he says.

"It was exciting to find a really great role where I can use, and expand on my previous work experiences. JLE works with a range of customers so the scope of what we do is huge!"

## Sailing away with Ash Hammond

JLE Electrical Northern staff member Ash Hammond has been devoting a lot of his spare time to sailing lately. His year got off to a great start at the 2009 Team Racing Worlds where he won a silver medal in the under 21 division. Ash was one of 17 sailors representing New Zealand in the regatta in Perth, Australia.

Racing every seventh race in the round robin competition where the races are short sharp and tactical, the team knew straight away that there was no room for mistakes - at that level of sailing, a comeback to win would be a struggle.

After the first day the team was looking good, but by the time day three started, they had lost three races and won one, in shifty conditions where the wind was changeable. They made it to the semi-finals against Great Britain who they defeated two races in a row which automatically sent them through to the final against Australia.

The final was challenging due to the strong wind.

"I struggled to hold my boat on the start line, forcing me to get a bad start," says Ash.

"It was perfect for the Aussies as it was their home turf and they had also been training in this sort of wind for the two weeks prior to the worlds. All I had to think about was to try and out sail them as we had in the round robins. We went down 3-0 to the Aussies and we were presented with a silver ISAF medal."

Ash is understandably very happy with his medal, and his time spent on the water.

"It's been a great experience and I'm looking forward to going back in 2010 to give it another go. I would like to thank JLE Electrical Northern for supporting me for the time that I was required to sail/train and for the time that I was over in Australia."

**For more information please contact Ash Hammond on (09) 309 5220**



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## Message from the Managing Director

### *Welcome to our winter newsletter*

It's easy to say welcome to the winter edition of JLE's newsletter for 2009. As I arrive at the Kupe onshore production station on the North Island's west coast, I experience driving rain and the icy wind coming straight off the South Pole. There is absolutely no denying that winter is here.

The winter months can make some of the work we do even more challenging.

A key focus at JLE is always to ensure that everyone involved in our projects and maintenance programmes is kept safe. This includes not only our staff, but also our customers and the general public. As Mark Dingle has highlighted in the article detailing our safety audits, safety is not optional - in our industry it must be a constant consideration.

At JLE we are always looking at all of our systems and processes to ensure that we are meeting all needs in the best possible manner. Refining and development of processes, particularly in the safety arena, is continuous. Often we do take cues from our customers. We do need to comply with the health and safety requirements of all customers, and in some cases they may have more specific requirements than our own. In those cases we willingly adopt their procedures for that project. JLE then weaves the different aspects of these procedures into our own policies for future use.

It's crucial to our business and to our people that we follow through with all policies and procedures. Upgrading them is all very well but without the implementation and auditing checks that we do have in place, it would all just be notes on paper. JLE is proud to be completely committed to providing a safe and healthy working environment for all.

I'm proud to see our Tasman team working together with our suppliers - after an unexpected incident on one of our customer's fishing vessels our team and our suppliers worked collectively to meet the tight project deadlines. As always, having the right people on the right job made what initially seemed near impossible, a reality.

In the current business climate JLE acknowledges that having a premier calibre of staff allows us to offer supreme service to all of our customers. Our reputation of always delivering work to the highest standards, combined with our ongoing commitment to safety lets us attract top staff to our teams. This is highlighted with the addition of two new members to JLE: both degree-qualified with significant relevant industry experience.

**Regards  
Stuart Bruce**

## Managing safety at JLE

JLE is committed to keeping a strong focus on safety, taking positive action to ensure the wellbeing of all staff, customers and the public. While JLE staff go about their business of delivering electrical, instrumentation and automation services throughout New Zealand, a number of steps are taken to keep safety top of mind.

JLE invests a significant amount of time and money to provide staff with a range of safety training. All JLE staff members have access to general safety, and industry specific safety training.

"It's not optional, ultimately we have to ensure we keep ourselves and those around us safe," says JLE Business Services Manager, Mark Dingle.

To maintain the spotlight on safety, JLE has re-energised the Auditing for Safety programme. This programme requires management to perform frequent, short, sharp safety audits of work in progress.

The established series of audits focus on personal protective equipment, tools and equipment, clothing, hazard identification and control, work environment and fire fighting equipment. All audits are recorded on a central register with any improvement actions documented on a corrective action register.

"We aim to confirm that what we've learnt through training initiatives is being applied on site," says Mark Dingle.

"We also identify any unsafe acts or unsafe behaviours early so that they can be corrected before an accident occurs."

"It is working to lift our safety benchmark which is an excellent outcome."

**For further information please contact Mark Dingle on (06) 758 7394**



## Tegel farm audits

JLE Christchurch recently commenced general compliance audits on grower's broiler facilities for Tegel Foods Ltd. Tegel requires all their suppliers to meet a list of compliance criteria.

"These audits are crucial to ensuring that Tegel's criteria are met," says JLE South Island Manager Graeme Findlay.

"When growers conform to these strict standards, a healthy environment is maintained providing optimal conditions for the chickens to thrive."

Audit forms have been developed in conjunction with JLE New Plymouth and Tegel's broiler managers to make certain that accurate information is gathered at each of the sites visited.

The audit will check all temperature monitoring, alarm operations, and back up generator and associated systems, in case of power failure or malfunction. JLE then give the completed audits to Tegel for any remedial or follow-up work.

JLE has 29 growing sheds to audit over the next three months. To avoid any disruption to production they have to wait for the sheds to be empty between batches, so will be liaising directly with the individual farmers to fit in with their schedule.

**For further information please contact JLE New Plymouth on (06) 758 7394**

## New tank farm for Kupe

JLE has been contracted to build a new tank farm among existing tank farm facilities at Omata near New Plymouth, as part of the Kupe Project. Construction on the Kupe Tank Farm commenced in mid May and is scheduled for completion mid August 2009.

The tanks will be used to store condensate produced by the Kupe Gas Plant.

Condensate is the low-density mixture of hydrocarbon liquids that are extracted from oil wells, then shipped to refineries for further processing. Condensate is delivered from the gas plant to the tank farm via road tanker.

The tank farm site consists of a truck unloading facility which can simultaneously unload two trucks, as well as two condensate storage tanks, each about 30 metres in diameter and 25 metres high. Three kilometres of pipeline will be laid to deliver condensate to Port Taranaki for exporting.

Although this is a new facility, the job site is treated as a brownfields site due to its proximity to existing, operating plants. The site operates under the Common Permit to Work system which is widely used in the petrochemical industry in Taranaki to ensure safe execution of works onsite.

The site control system is an Emerson Delta V control system, and the site safety system is an Emerson Delta V SIS system. Both systems operate as a remote node to the Kupe Gas Plant.

**For further information please contact Mark Thompson on (06) 758 7394**

## Greymouth Petroleum automation

The strength of the JLE Automation team allows the company to deliver full electrical and automation solutions to its customers. By having automation engineers in-house, JLE have a depth of technical support and back-up that ensures projects and maintenance are delivered to a high technical standard.

Currently JLE is working as part of Greymouth Petroleum's Kowhai Project to perform full automation of the Kowhai site. JLE is building a PLC programme from scratch using a standardised ladder logic code. Allen-Bradley ControlLogix PLC's are being used.

"We've developed the code specifically for this project," says Automation Engineer Greg Hirst.



"It's really clever and we hope to use it again in the future."

JLE is also doing the human-machine interface on the operators' computers, which monitors and displays what is happening on site.

**For further information please contact Greg Hirst on (06) 758 7394**



## Disaster unites JLE Tasman team

A routine re-fit of fishing vessel Voyager did not go quite to plan when a final welding job resulted in an onboard fire. Fortunately the JLE Tasman team was able to come to the rescue of Pescatore Fishing to ensure their vessel set sail on time.

After JLE had completed the initial re-fit work required, they were called back to repair the aftermath of the fire that destroyed the refrigeration systems and control panels in the main engine room.

To meet a sailing deadline, careful time management was essential on this job which contained a lot of unknown elements. The amount of damage couldn't be immediately identified so the team had to keep adding to the scope. The final challenge was to replace all the breakers on the main control panel three days before the planned sailing.

JLE Tasman's Nathan Dunlea led a team of four electricians to get the boat ready for sailing. The team worked on rotation through 12 days, including over the Easter period.

"JLE Tasman has shown how we can all really pull together to support our customers," says JLE Operations Manager Tom McKay.

"We'd also like to thank all of our suppliers who came to the party and helped us get the materials together so quickly. We couldn't have completed our part of the job without their help."

**For further information please contact Tom McKay on (03) 547 0526**

