Xstrata brings Virgin Australia to Mount Isa

2012 Xstrata Mount Isa Mining Expo

Community Information Session
After 15 months of negotiations, we were happy to announce on 11 May 2012 Xstrata Mount Isa Mines and Virgin Australia signed a Heads of Agreement, which will see the airline servicing the Mount Isa to Brisbane route from August.

Since Xstrata acquired Mount Isa Mines in 2003, the issue of not having a competitive airline service between Mount Isa and Brisbane has been a key concern raised by our employees and their families in a number of our surveys and studies as well as by our broader community through the local media.

As a result of this issue being of significant importance to all of you, we have been working hard since February 2011 to sign the agreement between us and Virgin that will benefit not only our business but all the people of Mount Isa.

While we are excited to bring a second airline service to Mount Isa, we will also continue to use Qantas to service our business needs and are grateful to all the people of Mount Isa. We will also continue to use Virgin that will benefit not only our business but the Mount Isa region.

It is a sign of the growth of the mining industry in the north-west region that there is demand to support two major airlines in Mount Isa. It is also an example of how the whole community may benefit from the continued development of our operations.

We look forward to welcoming Virgin to our community and thank Virgin Australia’s Manager New Business, Ashley Rae, who attended our first Xstrata Community Information Session for 2012 on 30 May 2012.

We encourage everyone to provide their support in order to ensure we continue to service both airlines in Mount Isa.

Finally, we would also like to thank the Mount Isa Chamber of Commerce and all of our Xstrata employees for contributing to such a successful and entertaining 2012 Xstrata Mount Isa Mining Expo.

Without all of our volunteers and dedicated work put in by all involved, we would not be able to hold such great community events that promote the mining industry. This year more than 7,500 community members, including school groups, attended the mining expo.

Antonia Brian’s story ........................................ 6
Des Marriott’s story ........................................ 13
Tony Ruddeil’s story ......................................... 21
All Cianetti retires after 57 years ........................ 22
Nathan Bullock’s story ...................................... 27

Joe Golling ......................................................... 14

Copper: Winning the war on drug-resistant superbugs ................................................................. 7
Zinc in society .................................................. 9
Xstrata drives rollout of new antidote .................. 26
Be smart with your heart ................................. 28

Xstrata North Queensland Sponsored Apprenticeships 2013 ..................................................... 9
Announcements, Calendar, For sale, In memoriam ................................................................. 29

Steve de Kruijff
Chief Operating Officer
Xstrata Copper
North Queensland

Brian Hearne
Chief Operating Officer
Xstrata Zinc Australia
At Xstrata we work hard to make a difference, which is why over the past 16 months, we have been working closely with Virgin Australia to secure a second airline to service the Mount Isa to Brisbane route.

And on the 11 May 2012, we signed a Heads of Agreement between Xstrata Mount Isa Mines and Virgin Australia which will see the airline fly between Mount Isa and Brisbane five days a week, Monday to Friday commencing in August.

Steve de Kruijff, Chief Operating Officer Xstrata Copper North Queensland says the heads of agreement between the two companies comes after passenger numbers flying through Mount Isa Airport increased by 10 per cent between March 2011 and March 2012 to almost 22,000 people.

“More competition in the skies is a benefit to the communities in the north-west region,” Steve says.

“This announcement is also great news for employees and their families in Mount Isa.

“Research conducted with our people over the past few years found the cost of airfares was one of the most critical obstacles to their staying in Mount Isa.

“Now our people will be better able to plan for their holidays and events on their terms.”

Justin Montgomery, General Manager Sales, Virgin Australia says the new services would benefit Mount Isa and regional communities greatly by providing choice on the route.

“Virgin Australia is proud to service the community of Mount Isa. These new services will bring a range of benefits including more competitive pricing, enhanced flight connections and a higher quality overall travel experience,” Justin says.

“The Mount Isa community will be able to connect with our growing network from Brisbane that includes more than 33 domestic cities and more than 400 international destinations.”

Steve thanks the other industry groups and bodies in the Mount Isa region that have joined us in voicing a need for a second airline to come to Mount Isa,” Steve says.

Xstrata will continue to use Qantas and Virgin services to help ensure Mount Isa has two reliable and competitive airlines.

For flight information between Mount Isa to Brisbane on Virgin Australia visit www.virginaustralia.com
Our very own BSafe Bee buzzed around our expo display, delighting kids and reinforcing the importance of staying safe at work, home and in the community.

Students from St Joseph’s Catholic Primary School, Cloncurry, rescue ‘Bob’ from Mine Rescue’s smoke tunnel.

Students from Barkly State School practice truck driving using Mines Processing’s remote control loaders and haul trucks.

After its resounding popularity in 2011, Xstrata’s Green Screen photo booth was back, providing school children and community members the opportunity to have their photograph taken and superimposed against a variety of backdrops showcasing our north Queensland operations.

Cloncurry State School students make authentic concentrate froth using the Copper Concentrator’s mini Float Cell.

Barkly Highway students ‘Try a Trade’ with our Skills Centre apprentices and instructors.

St Joseph’s students have fun learning about our mining process.
2012 Xstrata Mount Isa Mining Expo

Community

Inspired by Xstrata’s award winning 2011 display, the 2012 Xstrata Mount Isa Mining Expo committee vowed to make this year’s exhibit bigger and better than ever. With our 2012 display winning Best Outdoor Display and wowing school children, industry professionals and community members throughout the three-day event, it was a promise they definitely fulfilled.

This year many of our operation’s departments and project areas participated in the interactive display, ensuring there was a huge range of activities that catered for all ages.

School children from Cloncurry, Mount Isa and the Mount Isa School of the Air enjoyed the display with 10 primary and high schools coming along to learn more about our north Queensland operations. Mines Rescue boasted a new and improved tunnel where participants were required to carry out a rescue mission in a simulated underground environment. For the first time, the Mines Rescue display also featured an Emergency Refuge Bay (ERB), increasing the authenticity of the underground experience.

This year the Environmental team, supported by Southern Gulf Catchments, blew spectators away with their replica of the Copper Smelter and Acid Plant complete with dry ice ‘plume’, their massive fish tank with numerous amphibious creatures and their brand new, mobile sulphur dioxide monitor.

Another favourite exhibit amongst the school children was Safety and Health’s I am Awesome Fit challenge which saw two lucky participants win brand new laptops based on their grip strength and push-up ability. Our new Shape Up Online program also featured at the display and Kinetic nurses offered community members free mini health checks at our mobile health monitoring van. Switch on Safety was another safety theme highlighted at this year’s expo with a short, educational film shown in our pop-up cinema and an interactive game show which taught kids the importance of ‘switching on’ to stay safe. Queensland Health and Mount Isa Physiotherapy were also on hand, making our Safety and Health display one not to be missed.

Our Skills Centre apprentices and leaders were well represented, showcasing a fully interactive display and allowing visitors to ‘try a trade’ to learn more about the skills acquired on the path to becoming a qualified tradesperson.

A number of our Geologists, Mining Engineers and Metallurgists were on hand to explain how our operations work, covering everything from exploration right through to processing. Visitors were able to hold rock specimens and fossils and had a go at moving ‘ore’ (pumice rock) using model remote control loaders and haul trucks. Creating real mineral concentrate froth with the Copper Concentrator’s mini Float Cell was also a hit with visitors of all ages.

A new feature at this year’s mining expo was the Mount Isa Open Pit team’s colourful and informative booth. Factsheets were available and Community Relations and operational staff were on hand to answer questions about the proposed project, currently in the pre-feasibility study stage.

Representatives from Ernest Henry Mining (EHM) were also present with employees from our Cloncurry based operations available for enquiries about EHM’s underground mining and magnetite projects.

This year, we were lucky enough to have three of our community partners join us at Expo. North West Wildlife Carers Group, Mount Isa Fish Stocking Group and the Stride Foundation all came armed with exciting activities which kept school children and adults thoroughly entertained.

Maryann Wipaki, Sustainable Development Manager, Xstrata Copper, praises the expo committee and volunteers for their commitment in the lead up to and during the three day event.

“Employees from a range of departments came together to ensure this year’s expo was one to remember,” she says.

“Without the hard work and dedication of the expo committee and the numerous employees who volunteered their time our display wouldn’t have been so interactive, fun or educational.

“Thank you to everyone who helped make our display at year’s Mining Expo so dynamic.”

Zinc and Copper Human Resources employees man the Xstrata Careers booth armed with useful material for students and community members interested in pursuing a career in the mining industry. The younger school students also enjoyed this display and had a great time playing a career matching game.
Xstrata Zinc continues to thrive
Investing an additional $87 million into two of its key operations in the Mount Isa region has seen Xstrata Zinc continue to ramp up its activities in the north west.

In May, we announced Xstrata Zinc had accelerated production from the Lady Loretta underground mine and further extended the life of the Handlebar Hill open cut operation.

As a result of the continued increase in production at Xstrata Zinc’s operations, we have experienced a net increase in annual zinc production of 5 per cent (or 25,000 tonnes).

Construction of the Lady Loretta project commenced in July 2011 to develop a greenfield underground zinc-lead-silver mine 140 km north-west of Mount Isa, originally expected to commence production by the end of 2013 at a rate of 1 million tonnes per annum (Mtpa). Work on the decline development, surface infrastructure and services are progressing well ahead of schedule.

With further investment committed to accelerate the development of the mine, we will increase the annual ore production rate from 1.0 Mt to 1.2 Mt and bring forward the start of production by one year to late 2012. Work has commenced immediately to secure key equipment and redesign the development infrastructure, mining plan and associated road upgrades to accommodate the increased annual ore volume.

The accelerated development of Lady Loretta has been supported by an increase in total resources from 12.6 million tonnes in June 2010 to 13.3 million tonnes in December 2011. This assessment increases the amount of zinc metal contained by 12 per cent to 1,406 kt and lead metal contained by 10 per cent to 448 kt over a 12 year mine life.

Brian Hearne, Chief Operating Officer Xstrata Zinc Australia says expansions of both mines would realise significant value from our Australian zinc business, including an estimated 30 new direct jobs.

“We are accelerating the delivery of ore from Lady Loretta to Mount Isa by developing the upper ore bodies independently to the deeper underground resources,” Brian says.

“At the same time, we are investing in a further expansion of the Handlebar Hill operation following improvements in mining methods and metallurgical performance since the mine was designed in 2007.

The improvements have allowed us to look at mining previously marginal ore.”

The $30 million Handlebar Hill Open Cut South project supports the third stage of expansion of this operation, 20 km north of Mount Isa, and extends the life of mine by a year to 2014.

Developing a narrow cutback to the south of the pit and targeting deeper ore from under the first two stages of development adds approximately 1 million tonnes of ore at 8.7 per cent zinc, 2.7 per cent lead and 44 g/t silver to the existing Handlebar Hill open pit reserves.
Antonia Briant’s story

Personal Assistant to the General Manager of Processing, Antonia Briant is Xstrata Zinc’s organisation-aficionado with an infectious laugh that warms the halls of the Mill Office and a lightning-fast wit that keeps her workmates on their toes.

At 17, this born-and-bred Mount Isaan packed her bags and headed to Queensland’s south east corner for a taste of life in the big smoke of Brisbane. Little did she know, a few years down the track after establishing a successful career in Brisbane, a job opportunity in her hometown would prove to be the challenge she had been waiting for. “After finishing Year 12, I headed to Brisbane where I began my career as an assistant in the Financial Services industry.”

“After a few years, I was ready to take the next step in my career, and I guess you could say I had a niggling feeling my heart was pulling me back to “Isa”. So, in 2010 I took on the position of Personal Assistant to the General Manager of Processing. Eighteen months later, each day continues to present me with a new opportunity to do what I do best.

“It might not seem like it from the outside, but it takes a whole lot of thought and juggling to make sure my boss’s days run smoothly. But that’s what I love about my work; maintaining my GM’s schedule with military-like precision so he can get on with his job. It’s a balancing act, but it feels awesome to see your work playing a role in ensuring our operations go off without a hitch.”

“I also get to throw myself into organising some of Xstrata Zinc’s events, like office parties, conferences, as well as recruiting volunteers for the Leukaemia Foundation’s ‘World’s Greatest Shave’ – I’m always able to rope in a few helpers to bump up our fundraising total.

“At the moment I’m working on the Zinc Christmas party. It’s a big undertaking – securing a date that suits the entire Zinc operation, sourcing catering and finding a venue that can accommodate all of our staff is tricky. But all that hard work has a huge payoff – an event where our people can let their hair down and reflect on a great year – and I get a kick out of my role in that.”

“It’s a balancing act, but it feels awesome to see your work playing a role in ensuring our operations go off without a hitch.”
From the cables that feed electricity into our homes to the tiny connections in our mobile phones and computers, copper’s unique conductive qualities ensure it plays a key role in powering 20th century life.

Now, thanks to its phenomenal anti-bacterial capabilities, copper is coming out on top in the war on drug-resistant superbugs.

Marketed as Cu+, Antimicrobial Copper is the latest weapon in the fight against rising infection rates in medical care facilities around the world. According to the International Copper Association, 7 million people suffer or die from healthcare associated infections globally every year, and 80 per cent of these infections are spread by touch. Cleaning agents like chlorine work, but don’t provide long term solutions to the contamination issue. When used in high-frequency contact areas like taps, light switches, soap dispensers, nurse call buttons, bed rails and intravenous drip racks, copper stems the spread of potentially deadly drug-resistant bacteria often present in hospitals, like Staphylococcus aureus or “Golden Staph”.

This development comes after a five-year Japanese study – presented at the First Annual World Congress of Microbes in 2011 – recorded major reductions in bacterial load on touch and non-touch surfaces made from copper, as opposed to plastic or stainless steel.

A further study conducted by the United States Department of Defense across three major American hospitals found that the introduction of copper fittings slashed the risk of potentially deadly super-bug infection by a whopping 40 per cent. In a simple experiment conducted and presented by researchers at the University of Southampton in the United Kingdom, 10 million multi drug-resistant Staphylococcus aureus (MRSA) bacteria were completely annihilated in less than 10 minutes after making contact with a 1cm² copper plate. The same number of MRSA bacteria survived for weeks on the stainless steel control plate.

The scientific theory is that copper short-circuits the stable electrical micro-current of the bacterium’s outer membrane. This creates holes through which an unopposed stream of copper ions can bombard the inner workings of the cell, obstructing the critical biochemical reactions the bacterium needs to survive. It’s a fast, but deadly effective microscopic attack.

And it’s not just the medical industry including copper in their proactive risk prevention policies. The Chilean transport system is replacing subway handrails with new, copper coated fixtures; copper taps, door push-plates and meal preparation benches were recently installed in a Japanese kindergarten, and just this year a Ronald McDonald House in the United States added copper fittings to high-touch areas in bathrooms, kitchens and dining areas.

The grab for Antimicrobial Copper is expected to add 500 thousand metric tonnes per year to global copper demand. The Australian branch of the International Copper Association is working with key industry partners to market Antimicrobial Copper products to the healthcare and public transport sectors across the country.

Add to that copper’s extensive use in green technologies – like solar cells and electric cars – and it’s clear copper is more than just an essential element for powering our houses and technological gadgets. Copper has an enduring role in guaranteeing the health of modern society, and a vital part to play in the future of a sustainable world.

Did you know?
Copper surfaces destroy 99.9 per cent of bacteria within minutes of contact. No longer simply a humble conductor of electricity, copper is stepping into the spotlight as a cold-blooded germ-killer.
What is Policelink?

Policelink 131 444 is the number in Queensland to report non-urgent incidents including:
- wilful property damage
- stealing offences
- break and enters
- stolen vehicles
- lost property.

Policelink 131 444 aligns with the national number for non-urgent police assistance and is open 24/7.

Policelink enhances the client service we can provide to you by giving police officers more time to perform operational duties and improving front line police response times.

When should you call Policelink?

Anytime you would like to report a non-urgent crime or incident.

If the crime is not happening now, is not life threatening or there is little likelihood of the suspected offenders being in the area, call Policelink 131 444 for non-urgent assistance.

You can also contact Policelink for general enquiries.

What happens when you call 131 444?

When you contact Policelink, our specifically trained Client Service Officers and Police Technical Advisors will receive and process your non-urgent reports and answer your general enquiries.

Where appropriate, Policelink staff may issue you with a crime report number for insurance purposes.

In many cases your report will be finalised on the first phone call.

Why contact Policelink?

Contacting Policelink 131 444 provides you with an efficient way to report non-urgent incidents saving travelling time and transport costs to your nearest police station.

Your call to Policelink also provides the Queensland Police Service with more time to reinvest into proactive policing initiatives.

For example, if you choose to report your stolen wheelie bin or garden hose via Policelink instead of having an officer attending the scene, this will directly enhance community safety through time being reinvested into other operational priorities.

Benefits of Policelink

When you phone Policelink you help reduce the number of calls to existing police stations. Your choice of action increases the ability for frontline police to attend more urgent requests for assistance.

Policelink will allow Queensland Police Service resource hours to be re-invested into other priorities and proactive functions to greater benefit the community.

Policelink will reduce call volumes to Triple Zero (000) at Police Communication Centres leaving emergency lines open for those people who really need it.

Think Policelink, call 131 444 to report non-urgent police matters 24 hours a day. Save Triple Zero (000) for emergencies. Currently, 95% of calls to Triple Zero (000) are non-genuine emergency calls. For more information please visit www.policelink.qld.gov.au
Zinc in society

Not many people realise that zinc goes into many things that we take for granted everyday including:

- the bodies of the cars we drive,
- roofs, gutters, down-pipes and fences on houses,
- batteries for toys, calculators, watches as well as electric powered vehicles,
- fertilisers to help our gardens grow, and
- vitamin supplements for better health.

Through our day-to-day operations we support the production of a versatile material that is essential to human, animal and crop health and well-being and industry.

As a member of the International Zinc Association, we are taking part in activities to raise the awareness about the uses of zinc and zinc-containing products.

Did you know?

- About 50 per cent of the 11 million tonnes of zinc produced annually is used for galvanising to protect steel from corrosion.
- Zinc can be recycled infinitely without loss of properties or quality.
- Over 450,000 children die each year due to zinc deficiency.

For further information on our zinc operations visit www.mountisamines.com.au

Xstrata Mount Isa Mines
Sponsored Apprenticeships 2013

Xstrata is offering apprenticeship opportunities for 2013 in the following trade areas:

- Electrical
- Diesel Fitting
- Radio Technician
- Boilermaking
- Fitter Turning
- Auto Electrical

The purpose of sponsored apprenticeships

At Xstrata Mount Isa Mines our focus is on transportable skills, employability and personal development of the individual.

The purpose of Sponsored Apprenticeships is to provide an opportunity for high-performing existing employees to obtain a trade qualification.

There are six Sponsored Apprenticeships offered in 2013. Numbers accepted in each trade will be dependent on business needs.
Celebrating our community partnership achievements

This April, Ernest Henry Mining (EHM) hosted a dinner to celebrate the continued success of our Xstrata Community Program North Queensland.

Around 60 guests, including representatives from our partner organisations gathered at the Cloncurry Bowls Club where we reflected on the significant achievements of our 2011–2012 partners and introduced our new 2012–2013 Xstrata Community Program North Queensland (XCPNQ) partnerships.

Myles Johnston, General Manager Ernest Henry Mining presented a speech to highlight the achievements of our current partnerships and outline our future targets.

“Since our partnership program began in 2005 we’ve contributed more than $4.8 million to the Cloncurry community with many achievements to date that we’re proud to be associated with,” Myles said.

Some of our special achievements in 2011 include providing more than a thousand books to primary school students at Cloncurry State School and St Joseph’s Catholic Primary School, and the addition of 144 new books for each school’s library through the Books in Homes program.

“Our partnership with Cloncurry Justice Association supported the Cloncurry Night Patrol project which assisted close to 3,000 at risk people in 2011. This project helps reduce the number of young people passing through the Criminal Justice System,” Myles said.

Two significant milestones from previous partnerships with Cloncurry Shire Council were also highlighted including the installation of new shade structures at Cloncurry Skate Park, the opening of Robertson Park and our beautification project on Cloncurry’s main strip.

We are proud to introduce our new 2012–2013 partnership with Cloncurry Shire Council for the Cloncurry Cycleways Project. The project involves the construction and refurbishment of pathways in Cloncurry and is expected to be completed in 2013.

We look forward to working with our partner organisations in 2012 to improve local services and facilities and provide support to capacity building initiatives in Cloncurry.
Cloncurry’s two new community projects

On 30 March, 160 Cloncurry residents attended an event celebrating two Cloncurry Shire Council projects, both supported by Ernest Henry Mining (EHM).

A new community bus was unveiled and a public viewing of construction progress for the Cloncurry Community Precinct took place at the event, which included a free barbeque.

Community members were excited to see the new Cloncurry Community Bus for the first time, which will provide local community groups with access to transport at a reasonable cost. The 22-seater bus was purchased with money donated by six locally-based mining companies including EHM, in addition to Cloncurry Shire Council funding.

Following the bus launch, a guided tour of construction progress for the Community Precinct took place where the community could walk through each room to get a feel for space.

The Cloncurry Community Precinct project involves the redevelopment of the library and supper rooms previously located next to the historic Shire Hall in the main CBD of Cloncurry. It will also incorporate a new, modern library, meeting and function rooms, kitchen, amenities and community open space for events as well as an art gallery.

Construction is scheduled for completion in June this year with an opening expected to take place in July. Xstrata has contributed a total of $2.75 million towards the Precinct, making it our biggest social infrastructure project in Cloncurry to date and we can’t wait for the completed facility to be unveiled to the public.

Community Helicopter receives official christening

On April 14, the Mount Isa community turned out in droves for the RACQ North Queensland Rescue Helicopter Open Day at the Overlander Hotel where the state-of-the-art ‘flying hospital’ was officially christened.

Visitors enjoyed the community stalls and were given the rare opportunity to sit in the chopper cockpit. Xstrata’s Community Relations team was on site to provide the public with information on our Community Program and to give away hundreds of free gift bags to some very excited local children.

The RACQ North Queensland Rescue Helicopter brings an invaluable service to people in need living in remote north Queensland. Additionally the helicopter will provide our north Queensland operations with vital emergency retrieval capabilities, particularly important for our more remote operations at Ernest Henry Mining and Lady Loretta Mine.

Early this year, we proudly announced a three-year, $300,000 partnership with the RACQ North Queensland Helicopter Service. Our partnership will help to ensure this special service stays flying, providing value to the Mount Isa and the north west into the future.

Father Mick Lowcock christens the RACQ North Queensland Rescue Helicopter.
A
ing affectionately dubbed ‘Felicia’, the automatic furnace is used to break down magnetite concentrate samples at a high temperature so technicians can determine the trace metal content.

Before using the new automatic furnace, Laboratory Technicians were required to use tongs to manually place magnetite concentrate samples in and out of a muffle furnace set at 1,030 degrees Celsius, all while wearing heat proof jackets and gloves. This process exposed Laboratory Technicians to extreme heat, acid hazards and created manual handling issues.

Cameron Edinger-Reeve, Laboratory Supervisor, Ernest Henry Mining, says the automatic furnace has dramatically improved safety and made the process of analysing magnetite concentrate simple and fast.

“The machine automatically opens and closes the oven door behind a safety shield so that Laboratory Technicians aren’t exposed to heat. The samples are cooked and mixed, then poured in molten form into the waiting solution to cool.” Cameron says.

“Use of the automatic furnace provides a testing environment that is easy to reproduce, results in higher throughput and saves time for Laboratory Technicians.”

Enhancements to Altiris Transact

IT & Business Systems will be upgrading to a new Altiris help desk system in the third quarter of 2012.

To complement this upgrade, IT & Business systems have also deployed new Altiris Transact forms.

The new Transact forms will include a variety of improvements suggested by Xtrata personnel to increase the efficiency of the teams that process requests and strengthen compliance with Xtrata policies.

Key features of the new Transact forms and associated processes include:

• Requests are not able to be submitted unless all prerequisite information is provided, including a copy of the completed Acceptable User Agreement
• No processing of a request by the service desk until the request is approved online by the manager specified by Ellipse
• Provide a SharePoint page to allow requestors to view all requests that have been previously submitted for approval
• Automatically notify the approving manager by email when a request requires approval
• Provide a SharePoint page for approving managers to view and approve or reject requests
• Provide a reminder email every three days to requestors and approving managers of any requests waiting for approval
• Provide advice to requestors on how to deal with some of the common issues that cause delays such as an approving manager going on leave without submitting an Employee Action Form
• Automatically submit a request to the service desk after approval by the approving manager
• Provide details of the expected number of days to process a request after being to the service desk
• Remind the requestor and approving manager that any approved requests submitted without the necessary requirements will be rejected by the service desk, if this happens the requestor should contact the XQL Service Delivery on 07 4744 3932 for assistance in resolving any issues, the Requestor has 3 working days before the form will be closed.

Users will find many helpful documents like FAQ’s and ‘What form should I use?’

The Altiris Form user guide in the Altiris Self Help section by going to the following link to the ICT Support page, http://mountisa.copper.xstratanet/isafinance/itbsc/itbssupport/default.aspx
When Ernest Henry Mining’s (EHM’s) open pit mine was completed in December 2011, around 80 of our employees transitioned into new roles within our operations. Among those is Des Marriott, one of our newest Production Drillers in our underground mine. For Des, setting off on a career adventure has never been more interesting.

“I began working in the mining industry 13 years ago as a Drilling Contractor travelling around Australia to various exploration sites. This is when I first set foot on the EHM lease. I started working permanently in the EHM pit ten years ago. During that time I worked as a Blast Hole Driller, Drill and Blast Coordinator and Acting Drill and Blast Supervisor. “As the end of our open pit mine life approached I submitted an expression of interest to transition into a similar role in our underground mine. I had experienced underground mining before, and I was keen to get a permanent feel for the underground world. I saw the transition to an underground Production Drilling role as a valuable opportunity for me to use my skills in an exciting and new environment. “I’ve been in my new, underground role now for over five months and I’m getting a feel for the place. Right now, as well as training to operate the long hole rigs, I’m working on the development of the mine’s ventilation system and training as a Production Shot Firer. I’m proud to work in an area that plays such a huge part in the ongoing development of our new mine, which is so important to the sustainability of EHM’s operations. “It’s unreal being able to work alongside experienced underground miners and soak up their on-the-job know-how. Initially it can take time to get your bearings down there – it’s like a labyrinth, but that’s what makes working underground so exciting. There aren’t many people in the world who can say they work in a maze of tunnels, hundreds of metres beneath the surface of the earth. Five months since I started, underground feels like home to me and I’m enjoying every minute of it.”
Joe Golling
General Manager George Fisher Mine

**Q** Where did you grow up?

**A** In the “Ruhr Valley” area of Western Germany. During my younger years, this was a big European coal mining and steel making centre – my home town had five mines, three steel mills and eight breweries. Over the years, due to economic circumstances these have disappeared and the area has had a hard time making the change to other industries. My home town of Dortmund may be better known to soccer fans, because BVB 09 Dortmund has beaten Bayern Munich five times in a row over the last two years and is German Champion, again!

Have you always had an interest in the mining industry?

Having grown up among all those coal mines, it always attracted my interest. As soon as I left high school, I did my first practice run underground – and never looked back. I have been involved in underground mining ever since. However, I found my true calling five years later, when I made the switch from coal to base metal mining – much more interesting!

What attracted you to work at Xstrata?

This is my first job with Xstrata, but I had followed the public float and progress of the company for years. The vertical integration of the business and its focus on continuously improving its operations impressed me. Xstrata’s flat hierarchy enables all levels of management to be directly involved in decision making and taking on responsibility, which I find very motivating.

Prior to becoming General Manager at George Fisher Mine, what did you do?

I went through the ranks of mining operations from Miner to Underground Manager in Germany, North Africa and Asia. In 1987 I transferred to Australia to head up a new gold mining operation north of Kalgoorlie, Western Australia, until the mid nineties. Later, I was Managing Director of a major contracting company for many years before I took the job of Mine Manager to develop and run the Nifty Copper Mine in the Great Sandy Desert, Western Australia.

How long have you been working at Xstrata?

In June this year I will have worked at Xstrata for two years.

What does your current role involve?

Being General Manager of a big mine like George Fisher, producing 3.5 million tonnes per year with about 1,000 Xstrata employees and contractors is a very challenging job. There are so many aspects to the operation, including technical and personnel issues, so you need a very dedicated and skilled team supporting you to be successful in your role. Getting around to meet people and staying on top of things is keeping me very busy – there never seem to be enough hours in a day!

What is the most rewarding part of being General Manager of George Fisher Mine?

Dealing with people, solving the geotechnical and mining problems of this over 30 years old mine and setting George Fisher Mine up as a world-class operation. Given the excellent mining reserves available, I’m proud to be part of the team that’s ensuring a great future for the mine for at least another 20 years to come.

Your title is Dr Joe Golling – what is the basis of your doctorate?

Besides a Master degree in Mining Engineering, I hold a PhD in Mineral Economics, which relates to the evaluation, financing and corporate structuring of mining projects.

Are you a member of, or associated with, any industry organisation?

I am a member of the AusIMM – Australian Institute of Mining and Metallurgy.

What is the best thing about living in Mount Isa?

Being home every night with my lovely wife (not often on time, however) and enjoying the (mostly) pleasant weather of north Queensland from our back veranda.

In each edition of Mine to Market, we will bring you an up close and personal chat with one of the General Manager’s from our business.
Paving the way for Mount Margaret

Full-scale works have commenced to construct the haul road that will connect the Mount Margaret Mining (MMM) project’s E1 copper tenement to Ernest Henry Mining (EHM). Constructed over the next three months, the haul road will allow us to truck ore mined at E1 eight kilometres east to EHM for processing in our existing concentrator facility.

John Twomey, Project Director, says the commencement of haul road construction is an important milestone that brings MMM one step closer to production, which is scheduled to begin in the second half of 2012.

“We have already completed about 2.5 kilometres of road development on our existing mining lease. With the required environmental approvals finalised, we’re now constructing the remaining 5.5 kilometres,” John says.

“Preparations are also underway for the installation of office buildings, workshops, amenities and other facilities at E1 over the coming months.”

“Our project team has worked tirelessly throughout the initial planning and approval stages and can feel proud that the more major and visible outputs are coming to fruition as a result of their efforts.”

“We expect to commence pre-strip works for the E1 North open pit mine in the next few months and are looking forward to commencing production soon after that.”

Raising our profile locally and abroad

In March 2012 members of our Senior Management Team gave two key presentations to a broad sector of mining investors across Australia and the Asia Pacific.

On 27 March Steve de Kruijff, Chief Operating Officer Xstrata Copper North Queensland, presented at one of Asia’s most influential mining industry investment conferences to over 1,700 senior level executives at the Asia Pacific Mining Congress in Singapore.

Steve focused on how we’re changing our operations to secure the business’s future in north Queensland, including exciting projects such as the Mount Isa Open Pit pre-feasibility study and transformation of Ernest Henry Mining to an underground mining operation.

At around the same time, over 6,000 kilometres away, Myles Johnston, General Manager Ernest Henry Mining, presented at this year’s Australian Copper Conference, held in Brisbane on the 27 and 28 March.

Myles shared the story of the operation’s journey since production commenced in March 1998, right through to its recent transformation from an open cut mine to an underground mining operation.

The Australian Copper Conference brings together Australia’s leading players in the copper mining sector, highlighting one of the oldest metals used by man, with arguably the greatest utility in terms of social development.

A haul truck tips waste material to be used as sub-base for the new east-west haul road being constructed between Ernest Henry Mining and the E1 tenement. You can see Mount Margaret in the distance.
Between November 2011 and January 2012, Ernest Henry Mining (EHM) successfully completed revegetation works across our vast 2011 target area. Last year, 50 hectares of land within the footprint of the EHM lease was planted with local grass species. The area encompassed the southern waste rock dump, with sections of our northern waste rock dump and a black soil stockpile also completed.

Six months on, Ryan Francis, Graduate Environmental Advisor, Ernest Henry Mining, is pleased with the renewed health of the rehabilitated areas.

“All of the species are native to our local area and the rehabilitation is coming along well, with the grasses reaching up to a metre in height.”

Consultants from the University of Queensland’s Centre for Mined Land Rehabilitation (CMLR) visit our site annually to conduct our Rehabilitation Monitoring Program. Their next visit is scheduled for June this year.

“The CMLR consultants use sites undisturbed by mining as a reference point to study the progress and health of our rehabilitated areas,” Ryan says.

“Our last report showed the vegetation planted over the past eight years is well established with soil quality supporting long-term growth.”

To date, EHM has completed more than 240 hectares of rehabilitation works, demonstrating our commitment to sustainable mining and maintaining the environmental health of the region into the future.
Ernest Henry Mining (EHM) transitioned from open pit mining to underground mining in December 2011. Following the successful shaft pre-sink last year, this final stage of sinking works marks a significant milestone in our $589 million project which will extend the life of our operations to at least 2024.

Myles Johnston, General Manager Ernest Henry Mining, says the seven metre wide shaft will be sunk to a depth of around 1,000 metres over the next 12 months, with fit-out and commissioning works to follow.

“We are currently trucking ore from our underground mine via a decline at a rate of about two million tonnes per year, increasing to three million tonnes per year by the end of 2012,” Myles says.

“At this point in our operation, we will be producing around 25,000 tonnes of copper and 35,000 ounces of gold in concentrate per year.

“Following the commissioning of the shaft in 2013, production will ramp up to six million tonnes of ore per year, producing 50,000 tonnes of copper and 70,000 ounces of gold in concentrate,” he says.

“I would like to congratulate the team for their tireless work to date to advance the project to this stage and encourage all involved to maintain your focus so we can complete the shaft sink safely and to plan,” he says.

Over the last year we have installed and commissioned key pieces of infrastructure, including six winders and a 28 metre tall sky-shaft. This equipment will allow sinking to progress at rates of up to three metres per day.

Steve de Kruijff, Chief Operating Officer Xstrata Copper North Queensland says our shaft underground project is playing an important role in sustaining our north Queensland operations which provide significant economic benefits for the region and the state of Queensland.

“Our $589 million investment in this project extends the life of our Ernest Henry operations by at least 12 years, creating 330 jobs during the construction phase and 400 full-time jobs from 2013, providing ongoing economic security for Cloncurry,” Steve says.

Pictured above
Left: Contractors work to install a winder in preparation for shaft sinking.
Right: Over the past year key pieces of infrastructure, including a 28 metre tall sky-shaft and six winders, have been installed and commissioned alongside the completed open pit mine at Ernest Henry Mining in preparation for shaft sinking.
MICO Continuous Improvement ideas roll in

Bruce Shevelling, Maintenance Coordinator, Mobile Fleet Maintenance has successfully designed a Continuous Improvement (CI) initiative, improving both operational and financial performance within his department.

Bruce says the initiative, titled ‘Install Filter to Hydraulic Oil Fill Line’, has reduced the need to replace hydraulic oil filler pumps on underground equipment such as Toro Loaders and Tamrock and Atlas drill rigs.

“I identified that a number of Units were experiencing down time due to hydraulic oil filler pump failures as a result of contamination of oil during top ups,” Bruce says.

“By installing filters at a cost of $350, the number of pump failures has reduced significantly.

“After installation, a filter only needs to be changed once a year which costs $150 as opposed to replacing an entire pump system at a cost of $1,500,” he says.

Bill Dearling, Reliability Engineer, recognises the positive effect Bruce’s CI idea has had on operations.

“Since the installation of these filters there has been a noticeable decrease in the number of pumps requiring replacement,” Bill says.

Continuous Improvement Superintendent Bill Cook says Bruce’s idea is evidence that even simple initiatives can make a significant difference in how we do our jobs or how we improve our job safety, processes and efficiencies.

“In Continuous Improvement we are constantly looking for ideas to assist in life of mine sustainability,” Bill says.

“We know there are many more of these ideas out there and we are trying to ensure we can capture them through the CI process.

“Anyone who has an idea should ask their Supervisor or contact a Continuous Improvement Advisor for assistance in ensuring their idea is placed in their department’s CI register,” he says.

As recognition of his idea’s implementation Bruce received a $250 gift voucher.

In April this year, 46 Xstrata Copper employees volunteered to take part in a ground-breaking study that looks to shake-up the way Respiratory Protective Devices (RPDs) are designed, tested and used.

Conducted by the University of Wollongong, the aim of the CO2RE study was to better understand the level of carbon dioxide (CO2) re-breathing that occurs naturally in respirators under a range of work conditions.

CO2 re-breathing occurs when expired air remains in the breathing space of the respirator after each breath. Inhalation of CO2 causes changes in the concentration of CO2 in the blood which can affect an individual’s respiratory processes, even in small amounts.

There is evidence that increased exposure to CO2 can cause RPD wearer discomfort, which is one of the primary reasons why people remove respirators during work. Removal increases the worker’s risk of exposure to potentially dangerous air-born particles, which is why finding a solution to wearer discomfort is important to us at Xstrata.

Until now, no comprehensive scientific study has focused specifically on the effects of speaking tasks on CO2 in respirators. In addition to this, many studies on CO2 re-breathing are limited by sample sizes of less than ten participants.

Participation in the CO2RE study was open to Xstrata Copper employees who were familiar with the regular use of RPDs. The 46 volunteers took part in a graded exercise test on an stationary bike that increased in resistance every five minutes. At the third minute of each stage participants read a passage of text out loud. Measures of expired and inspired CO2, heart rate, breathing frequency, peak inspiratory air flow and dyspnoea, or breathing discomfort, were monitored.

Carmen Smith, Exercise Physiologist and Principal Investigator says data analysis for the 40 Xstrata participants that completed all the test sequences is currently underway.

“The preliminary results show that speech and paradoxically low exercise workloads compound CO2 accumulation in respirators,” Carmen says.

The project was coordinated by Kristie Davies, Graduate Occupational Hygienist, Xstrata Mount Isa Mines. Kristie would like to thank the volunteers and management team of the Copper Smelter for their involvement in the study.

“This was a real opportunity for our people to have an influence on the design and use of RPDs. The findings of this study will have significant ramifications for RPD protocols into the future, so thank-you to those who took the time to get involved,” Kristie says.
Xstrata’s Sustainable Development Department has developed an innovative manual task assessment tool to help workers identify high risk manual tasks in the workplace and implement appropriate controls to reduce these risks.

Manual tasks are our number one cause of work-related injury. In an effort to reduce the risk of injury associated with performing manual tasks, we have developed a tool called the Manual Task Risk Assessment (MTRA), which calculates immediately the injury risk based on the physical requirements and exposure to a manual task.

Three types of MTRA tools are available for workers to use:

- An electronic version located on Xstrata Copper’s Safety and Health Department Intranet page, the Xstrata Zinc homepage and Ernest Henry Mining’s homepage
- Wall mounted MTRA tools located in crib rooms, training areas and workshops
- Desk-sized MTRA tools

To use the MTRA the operator simply identifies the weight being handled or the speed of movement, postural requirements and repetition for performing a task. The operator moves the appropriate dials on the assessment tool, and then the MTRA indicates a risk level associated with performing that task. The operator can then consider control options to decrease the risk for this task based on the risk factors identified.

Joel Edson, Occupational Therapist, Xstrata North Queensland, says the MTRA has received positive feedback from the workers who trialled the tool during 2011.

“Following months of development and trials we have now refined the tool and its design based on the feedback received,” Joel says.

Our General Managers, Managers and Superintendents have endorsed the assessment tool further demonstrating our organisational commitment to the management of Manual Task Risk.

“Support received from all levels of the organisation demonstrates a clear acknowledgement of Manual Task Risk and a commitment to supporting initiatives aimed at risk mitigation and control. It has been broadly acknowledged that this tool has addressed a previously unmet need in a simple, innovative and effective way,” Joel says.

Specific areas of Xstrata’s North Queensland Copper and Zinc Operations have been involved in the initial roll out of the mechanical versions which commenced in May 2012, with further development to occur based on evaluation and feedback received over the coming months.

For more information on the Manual Task Risk Assessment tool contact your Safety Advisor or Xstrata’s Occupational Therapist Joel Edson.
Bravehearts Mow-a-thon gets a $5,000 kick start

On April 16 Claude Harvey, Bravehearts Inc. representative and committed fundraiser, commenced a 77 day, 2,260 kilometre Mow-a-thon which took him from outback Mount Isa to the beaches of the Gold Coast.

For the past nine years, 66-year-old Claude has devoted his time to the Bravehearts cause, raising over $350,000 for Australia’s leading child protection advocacy charity.

We were pleased to kick off Claude’s fundraising efforts with a $5,000 cheque, presented by Steve de Kruijff, Chief Operating Officer Xstrata Copper North Queensland, on day one of his epic journey.

“Pushing a lawn mower from Mount Isa to the Gold Coast is an amazing feat and we were more than happy to be able to assist in Claude’s fundraising journey with a $5,000 donation,” Steve says.

“Pushing a lawn mower from Mount Isa to the Gold Coast is an amazing feat and we were more than happy to be able to assist in Claude’s fundraising journey.”

Workplace Giving

Xstrata’s Workplace Giving Program is a simple way for employees to make regular donations to selected local community organisations and charities via automated deduction from your fortnightly or monthly pay.

Last year, our employees donated over $49,000 to the 11 community groups participating in workplace giving. While this is a fantastic result, we think we could be doing more.

Over the next few months we will be revitalising our Workplace Giving program, and you will see features on each partner appearing regularly in Mine to Market, together with a form you can complete and send back to us if you would like to start supporting these local groups.

This edition we have featured the North Queensland Helicopter Rescue Service. Learn more about this group and the vital service they provide to north-west Queensland through our article featured on page 11.

If you would like to find out more about how to donate through our Workplace Giving Program, contact your HR Advisor and keep an eye on future editions of Mine to Market for further news on our program partners.
In 1994, then Maintenance–Boilermaker, Townsville Copper Refinery, Tony was riding his motorbike home from work when a drunk driver, attempting to overtake another vehicle, collided head-on into him. Suffering a compound fracture to his femur, shattering his fibula and tibia and fracturing his ankle and heal, Tony had to have his legs pieced back together by a team of surgeons before embarking on an excruciating six-week recovery. But, in life’s ever-unpredictable fashion, that terrifying ordeal would prove to be a pivotal moment that would steer Tony’s career down a very different path.

“During my six week recovery period—totally over watching daytime television and getting more and more frustrated with my incapacitation—I called the refinery hoping they’d let me come back to work. I would have done anything if it meant I’d be out of the house. ‘With a ‘we will see what we can do’ from my boss, light duties in the Drawing Office were organised and, as they say, the rest is history. I had started my career at the refinery as an apprentice boilermaker, and now I was kissing my trade goodbye. Armed with little more than my determination and on-the-job know-how, I went back to TAFE and then James Cook University to receive my drafting qualifications.

“Almost ten years later, I’m back in one piece and busy confronting the challenges associated with the expansion of Xstrata Technology’s ISA Process, which has an increasingly global focus. This means I spend a lot of time travelling the world to commission new plants. While it is difficult being away from my family—especially my kids—I get to see parts of the planet many people would never even dream of visiting. I love immersing myself in new cultures and interacting with people who see the world differently.

“Everyone can start a project; not everyone can complete it—that’s the challenge. I am so grateful for the support I have received from my colleagues. That’s the best thing about Xstrata—the people.”

“Everyone can start a project; not everyone can complete it—that’s the challenge. I am so grateful for the support I have received from my colleagues. That’s the best thing about Xstrata—the people.”

Tony Ruddell, Project Manager for Xstrata Technology in Townsville knows what it’s like to be confronted by a sudden and unexpected change to ‘the plan’.

Our people

Tony Ruddell’s story

Tony Ruddell, Project Manager for Xstrata Technology in Townsville knows what it’s like to be confronted by a sudden and unexpected change to ‘the plan’.

“Everyone can start a project; not everyone can complete it—that’s the challenge. I am so grateful for the support I have received from my colleagues. That’s the best thing about Xstrata—the people.”

draftsmen who let me invade their domain, Gordon Ellacott, my on the job mentor and Brian Young, my old maintenance department foreman, who let me go so I could take on this challenge. That’s the best thing about Xstrata—the people.”

“Everyone can start a project; not everyone can complete it—that’s the challenge. I am so grateful for the support I have received from my colleagues. That’s the best thing about Xstrata—the people.”
In 1953 Alf and his family boarded a passenger ship from Livorno, an iconic, 16th century harbour city on the west coast of Tuscany, Italy. Bound for a tiny, north west Queensland mining town hundreds of kilometres from any ocean, this hard working immigrant from the shores of the Tyrrhenian Sea would soon become one of Mount Isa’s most treasured characters.

This year, Alf will retire after 57 years of service to Xstrata Mount Isa Mines. Here, we pay tribute to one of the characters that make up the fabric of our history, Alf Cianetti.

Alf Cianetti has the proud stance of a generation of immigrants who helped pull Australia from its post-war depression. At 76, and still as spritely as ever, Alf’s career with Mount Isa Mines began in 1956, where, with limited English and still adjusting to life in the Australian outback, he commenced work at the mine. After 36 years at the Mobile Fleet Workshop, Alf joined the maintenance team at the copper smelter in 1998, where he works to this day.

Built on the site of the original workshop depot, Alf nods in the direction of the copper smelter and jokes how little he’s travelled since 1953.

With a love of the outdoors, Alf spends much of his downtime fishing. But ask him about the best thing he’s ever caught, and be met with a wry, charismatic smile. His wife Carla – who he met on a return trip to Europe in 1961 and married a mere eight weeks later – is the catch of his life, he says.

“When you know what you want, well that’s it, you know?” Alf says.

Married on 25 January, 1962, Carla and Alf welcomed their son Emilio into the world a year later. A civil engineer and department director with the Mount Isa City Council, Emilio is continuing his father’s legacy in the town Alf admits “has a hold on him”.

In a career spanning almost 60 years, Alf has witnessed Mount Isa’s transformation from little more than a network of miner’s camps to a thriving and diverse community. He can tell you of times past when men would brawl in the dust behind the Mount Isa Hotel, then shake hands and head inside for a laugh and drinks shouted by then Mount Isa Mines Chairman Sir George Fisher. He remembers the union strikes of the ’60s that brought the mine and the state of Queensland to its knees, and recalls the days when depressed metal prices forced a diaspora of redundant mine workers and saw the town’s population plummet to less than 17,000. Alf has experienced Mount Isa’s cultural and economic evolution; a story not only of struggle and adversity but of spirit, camaraderie and success against the odds.

Paul Telford, General Manager Copper Smelter, Xstrata Mount Isa Mines, says Alf’s career longevity is an inspiration.

“Throughout his long career with us, Alf has made a marked contribution to our operations,” Paul says.

“He played a key role in improving the copper smelter equipment lubrication strategy, resulting in improved reliability with rotating equipment he maintains. “Alf’s dedication to his role is inspirational to all of us here at the Copper Smelter. He will be sorely missed by all who had the pleasure of working alongside him, but we wish him and Carla all the best for a well-earned retirement.”

Congratulations Alf, on a remarkable career.
Designed specifically to confront the operational challenges of the mining sector, the course will see 30 of our talented local tradespeople master the art and science of managing the suite of process, automation and control equipment that helps keep our operations productive and safe.

Developed by RMIT University and SAGE Didactic, the program provides bright-spark electricians with an in-depth theoretical and practical education resulting in a nationally recognised Certificate IV in Electrical – Instrumentation, with subject content, breadth and depth expanded and tailored specifically to suit the needs of our business and the mining industry.

Electricians who up-skill with an instrumentation qualification repair, maintain and calibrate the precision field instruments (like automated valves, sensors, transmitters and analysers) within our mining and processing plants. These sensitive pieces of equipment play a vital role maintaining the optimum temperatures, flows, pressures, levels and weighing in our processing areas, and can detect changes in these environments long before they would be otherwise noticeable.

Kerry Brisbane, Xstrata Skills Centre Electrical Team Leader was a driving force in championing the introduction of the program, and says Xstrata’s involvement in the course was born of necessity; to meet our need for qualified tradespeople to take care of our key operational instruments, and to address the lack of suitable, locally available training.

“Process control instrumentation requires highly-skilled, specialised tradespeople,” Kerry says.

“There wasn’t a training program available in Mount Isa that fulfilled the operational needs of our business, so instead of flying our electricians to Brisbane for training blocks, we decided to create a platform where a specially designed and optimised program could be delivered locally.”

The course is conducted over a 15-month period, involving about 60 full days of training broken into one or two week rotations. Twenty-six electricians from our Mount Isa Copper and Zinc operations, two from Ernest Henry Mining and two from Mica Creek Power Station are currently undertaking the instrumentation program. The first class of graduates will enter our operations fully qualified to service and maintain our vital field instruments by May 2013.

Skills Queensland and Kinetic Group (formerly Mining Industry Skills Centre), in association with Mount Isa Institute of TAFE, who provide our classroom facilities, have been integral to gathering the resources that have enabled the success of this exciting new joint training venture.
During April, Xstrata’s Townsville Copper Refinery hosted two special guests from Xstrata’s Canadian Copper Refinery in Montreal, Canada. Hans Persson, Superintendent and Jack Stafiej, Senior Process Engineer were on site to learn about our north Queensland refinery operations.

Hans and Jack gained valuable insights into Xstrata North Queensland’s largely integrated business. This was their first visit to the refinery and both welcomed the opportunity to expand their professional knowledge.

Paul Taylor, Production Superintendent, Townsville Copper Refinery, says the key focus of our Canadian colleagues’ visit was to review our impurities management capabilities and provide direction for future processing of high impurity anode copper.

“Our colleagues also wanted to identify areas of good practice at the refinery, which they would share and implement at their operation on their return to Canada,” Paul says.

Both Hans and Jack have extensive refining experience within Xstrata’s Canadian operations and were willing to share their experience during their short but memorable visit.

“This was an excellent opportunity for the exchange of operational insight between two highly regarded refinery operations,” Paul says.

This latest trip follows previous visits to the Townsville Refinery by Marcel Faucher, General Manager Refineries, and Beatrice Pierre, Manager, Rhode Island Recycling Plant. Additionally, our own Dave Worlein, Refinery Manager, recently travelled to Canada for the Xstrata Copper Marketing Division’s Annual Business Planning Meeting. Dave says that the trips to Xstrata’s international operations provide a valuable insight into potential business models for the Townsville Copper Refinery.

“As the North Queensland Copper business transitions to a producer of copper concentrate in 2016 and the Townsville refinery moves into the Copper Marketing structure, we are seeking every opportunity to extend the life of the refinery,” Dave says.

“This could mean a closer alignment to the Canadian business model in the future.”

Paul Taylor, Refinery Production Superintendent with Jack Stafiej, Senior Process Engineer and Hans Persson, Superintendent of our Canadian operation.
Community

Steve de Kruijff, Chief Operating Officer Xstrata Copper North Queensland and Brian Hearne, Chief Operating Officer Xstrata Zinc Australia provided updates on our copper and zinc operations with the session emphasising the progress of our business development projects like the Mount Isa Open Pit and the Black Star South Expansion.

The Community Information Session also included a presentation by Ashley Rae, General Manager New Business, Virgin Australia, who outlined the exciting new Heads of Agreement between the airline and our Mount Isa Mines operations. This new agreement will see Virgin Australia servicing the Mount Isa to Brisbane route from August.

Health and safety, environmental, and operational performance updates were additional topics covered during the presentation.

At the close of formal proceedings community members were invited to participate in a question and answer session, followed by a networking opportunity with members of Xstrata’s Senior Management Team.

As a vital outlet to maintain relationships with key stakeholders and continue to keep our community well informed, Mount Isa Mines held a Community Information Session on May 30 at the Red Earth Hotel.

Thank you to everyone who attended the Community Information Session and to those who provided valuable feedback.

We look forward to seeing you at our next Community Information Session, scheduled for late July.
In addition to improving the safe work environment for our people, our successful efforts to cement the use of Cyanokits throughout our operations has reverberated across the medical industry, with Cyanokits now the accepted treatment for cyanide poisoning in all Queensland ambulances as a result of our investigation.

Xstrata is proud to be a catalyst for such ground-breaking, positive change in the way the health sector manages this health risk.
I am the Strategic Mine Planning Manager at the Mount Isa Copper Operations (MICO), but will be moving into my new role as the Concentrator Manager at Ernest Henry Mining in June. I joined Xstrata in 2001 as a Graduate Geologist at George Fisher Mine and since that time have held a number of positions across Xstrata Zinc and Xstrata Copper.

In my current role, I’m involved in investigating long term mining options for MICO and assisting with the development of the MICO business plan. I work with geologists, rock mechanics, mining engineers, metallurgists and the finance team on our various projects. The projects include areas such as resource evaluation, analysis of new underground mining fronts, open pit studies, by-products, process improvements and third party reviews. Additionally, I provide support to the Continuous Improvement team at MICO to assist with the development of the continuous improvement process and cost saving objectives for MICO.

The thing I find easy about working at Xstrata is no matter which one of their mine sites you are working at, there is consistency in the objectives of the operation and there is a strong focus on delivering against these objectives. This makes the expectations and standards in sustainable development, production and costs clear to everybody at Xstrata and improves our understanding of how each of us can contribute to reaching these goals.

I think the company’s values also make sense all the way through to the operations, which means as an employee you don’t have to try and translate corporate language to fit into your day to day operational tasks. The messages are easy to understand and are consistent across the business so you hear the same thing, no matter what area you go to. It just means we are all working to the same values, which makes my job as a manager easier.

During my 10 years at Xstrata, I have also enjoyed the multitude of career options and experiences. It’s a good aspect about the Mount Isa operations that there are always lots of options available for all employees who are interested in developing in their chosen career paths. I would have to say one of my biggest career highlights to date would be the projects I have been fortunate enough to be a part of, such as our Mount Isa Open Pit Concept Study and the Copperbelt project. Each project has different challenges which can make it quite difficult to find solutions that work the first time. I get to develop new skills with each project, which I would not get at many other operations.

Another huge bonus from working at Xstrata is I was lucky enough to meet my wife, a mining engineer, working here at Mount Isa. We got married in February this year at Kiama, a favourite place of ours.

I would have to say the most satisfying aspect of working at Xstrata is the exposure to the diverse types of operations, due diligence and the various projects I have been a part of.
Be smart with your Heart

Over 35 per cent of deaths in Australia in 2011 were caused by or attributed to heart disease. This makes heart disease second only to cancer as the leading cause of death amongst all Australians.

There is no single cause for heart disease, but there are risk factors that increase your chances of developing this life threatening condition. The good news is that heart disease is largely avoidable.

Find your 30 minutes of activity every day

It's never too late to start enjoying the physical and mental benefits of healthy exercise. The Heart Foundation recommends regular, moderate-intensity physical activity (like brisk walking) for at least 30 minutes or more on most, if not all days of the week.

Risk factors that you can control:

- smoking – both active smoking and being exposed to second-hand smoke
- high blood cholesterol
- high blood pressure
- diabetes
- being physically inactive
- being overweight
- depression, social isolation and lack of quality support

Reduce your modifiable risk factors and see your doctor for an annual blood test to ensure you’re in good cardiovascular shape.
Mine to Market is printed on impact paper stock.

Impact is made with a carbon neutral manufacturing process* It is well priced, FSC COC certified and consists of 100% post consumer waste recycled fibre.

*Mill use 86% renewable energy, meaning emissions generated by producing Impact are incredibly low. The remaining unavoidable CO2 emissions are compensated for by promoting controlled emission reduction projects, audited and certified by Climate Partner.

Mine to Market

Environmental credentials

Calendar of events

June
1 Xstrata Percival Portrait Award Exhibition (Until 1 July)
2 Cloncurry Race Day
5 World Environment Day
6 Xstrata Mount Isa Mines New Starters Corporate Induction (Mount Isa)
11 Queen’s Birthday Public Holiday (Nationwide)
15 Cloncurry Show Public Holiday (Cloncurry)
15–16 Cloncurry and District Annual Show (Cloncurry)
17 Father’s Day
19 Townsville Community Information Session
22 School Term 2 concludes
22 Mount Isa Show Public Holiday (Mount Isa)
22–23 Mount Isa Annual Show
23 McKinlay Races
25–26 Bowen Annual Show
26 Bowen Show Public Holiday
29 Saxby Roundup (Until 1 July)
29 Townsville Annual Show (Until 2 July)

July
1–8 NAIDOC Week Celebrations (Nationwide)
6–8 Rockhana Gem and Mineral Festival (Cloncurry)
2 Townsville Show Public Holiday
4 NAIDOC Elder’s Luncheon (Mount Isa)
4 Xstrata Mount Isa Mines New Starters Corporate Induction (Mount Isa)
6 NAIDOC Family Fun Day (Mount Isa)
9 School Term 3 commences
11 Bowen Community Information Session
14–15 Bowen Community Information Session
19–22 Cloncurry Stockman’s Challenge and Campdraft
28 Rodeo Ball (Mount Isa)
28 Quamby Rodeo

In memoriam

Friends of Glenn Marles will be saddened to hear of his passing on Saturday 14 April.

Glenn fought an 18 month battle with cancer and passed away at the Cairns Private Hospital. He was 50 years old.

Glenn and his twin brother Terry attended Central State and Intermediate Schools in Mount Isa and played hockey for the Hornets.

Glenn, or “Marlsey” as he was affectionately known, started work as a young man at Mount Isa Mines, before transferring to the Hilton Mine (now George Fisher Mine) where he became a top two-boom jumbo operator. He spent some time as a member of Mount Isa Mines’ mine rescue team, and worked at McArthur River Mine for ten years. He was working in Papua New Guinea when he fell ill.

His loving wife, Lorna, and son Justin live in Cairns. His mother Audrey Madsen and Stepfather Noel Madsen (who worked for Mount Isa Mines for 22 years) live in Nambour on the Sunshine Coast of Queensland.

We send our sincere condolences to the family and friends of Glenn “Marlsey” Marles, who will be sorely missed by all who knew and loved him.

For Sale

Satellite dish – 10 foot digital receiver and analog receiver with dish positioned. Pick up from Mount Isa only. $500. Phone (07) 4743 9745.

Aluminium Boat – 3.95 m Stessco (2010 model, hardly used). Features 25HP Suzuki 4 stroke engine, full carpet floor, casting deck, pedestal seats, anchor well, canopy, sounder, under floor storage, navigation deck & canopy lights; VHF radio, bait board, rod holders, bilge pump, fire extinguisher, life jackets, oars, rear step and trailer. $6,500 ono. Phone 0418 590 101.

2002 Holden Rodeo – styleside dual cab ute. Comes with ladder rack, dark tint, iPod connectivity, new brakes, near new tyres. Minor scratches to paint on bumper. 248,000 km. $6,500 ono. Phone 0406 039 287.

King-size King Coil mattress. Less than 12 months old, great condition. $500. Phone 4743 1927.

2009 Honda CBR 600RR. 8 Sports 4 cylinder manual, 17,500 km’s (used for work commute only), tinted windscreen and hyperflow exhaust system along with rear lights. $12,000 ono.

Also available, Alpine Star boots, RST Pro Series riding pants, Shoei helmet, KBC helmet and AVG Sport riding jacket.

Our condolences to the friends and family of Glenn Marles, who will be sorely missed by all who knew and loved him.

Announcements

Congratulations to Rowen Winsor (Human Resources Manager, Xstrata Copper North Queensland) and husband Josh on the birth of their baby daughter Eve Grace Winsor on Tuesday 17 April.

Congratulations to Lauren Johnson (Workers Compensation Claims Co-ordinator, Xstrata Copper) and Stuart Johnson (George Fisher Mine) on the birth of their son Mitchell David Johnson on Tuesday 24 April.

Congratulations to Agata Graham (nee Christodulu – Corporate Affairs Advisor, Xstrata Copper) and Troy Graham, who were married in Brisbane on Saturday 31 March.

Congratulations to Monica Joseph (Electrical Engineer, Zinc-Lead Concentrator) and Matthew Briant on their engagement.

In memoriam

Friends of Glenn Marles will be saddened to hear of his passing on Saturday 14 April.

Glenn fought an 18 month battle with cancer and passed away at the Cairns Private Hospital. He was 50 years old.

Glenn and his twin brother Terry attended Central State and Intermediate Schools in Mount Isa and played hockey for the Hornets.

Glenn, or “Marlsey” as he was affectionately known, started work as a young man at Mount Isa Mines, before transferring to the Hilton Mine (now George Fisher Mine) where he became a top two-boom jumbo operator. He spent some time as a member of Mount Isa Mines’ mine rescue team, and worked at McArthur River Mine for ten years. He was working in Papua New Guinea when he fell ill.

His loving wife, Lorna, and son Justin live in Cairns. His mother Audrey Madsen and Stepfather Noel Madsen (who worked for Mount Isa Mines for 22 years) live in Nambour on the Sunshine Coast of Queensland.

We send our sincere condolences to the family and friends of Glenn “Marlsey” Marles, who will be sorely missed by all who knew and loved him.

In memoriam

Friends of Glenn Marles will be saddened to hear of his passing on Saturday 14 April.

Glenn fought an 18 month battle with cancer and passed away at the Cairns Private Hospital. He was 50 years old.

Glenn and his twin brother Terry attended Central State and Intermediate Schools in Mount Isa and played hockey for the Hornets.

Glenn, or “Marlsey” as he was affectionately known, started work as a young man at Mount Isa Mines, before transferring to the Hilton Mine (now George Fisher Mine) where he became a top two-boom jumbo operator. He spent some time as a member of Mount Isa Mines’ mine rescue team, and worked at McArthur River Mine for ten years. He was working in Papua New Guinea when he fell ill.

His loving wife, Lorna, and son Justin live in Cairns. His mother Audrey Madsen and Stepfather Noel Madsen (who worked for Mount Isa Mines for 22 years) live in Nambour on the Sunshine Coast of Queensland.

We send our sincere condolences to the family and friends of Glenn “Marlsey” Marles, who will be sorely missed by all who knew and loved him.

In memoriam

Friends of Glenn Marles will be saddened to hear of his passing on Saturday 14 April.

Glenn fought an 18 month battle with cancer and passed away at the Cairns Private Hospital. He was 50 years old.

Glenn and his twin brother Terry attended Central State and Intermediate Schools in Mount Isa and played hockey for the Hornets.

Glenn, or “Marlsey” as he was affectionately known, started work as a young man at Mount Isa Mines, before transferring to the Hilton Mine (now George Fisher Mine) where he became a top two-boom jumbo operator. He spent some time as a member of Mount Isa Mines’ mine rescue team, and worked at McArthur River Mine for ten years. He was working in Papua New Guinea when he fell ill.

His loving wife, Lorna, and son Justin live in Cairns. His mother Audrey Madsen and Stepfather Noel Madsen (who worked for Mount Isa Mines for 22 years) live in Nambour on the Sunshine Coast of Queensland.

We send our sincere condolences to the family and friends of Glenn “Marlsey” Marles, who will be sorely missed by all who knew and loved him.

In memoriam

Friends of Glenn Marles will be saddened to hear of his passing on Saturday 14 April.

Glenn fought an 18 month battle with cancer and passed away at the Cairns Private Hospital. He was 50 years old.

Glenn and his twin brother Terry attended Central State and Intermediate Schools in Mount Isa and played hockey for the Hornets.

Glenn, or “Marlsey” as he was affectionately known, started work as a young man at Mount Isa Mines, before transferring to the Hilton Mine (now George Fisher Mine) where he became a top two-boom jumbo operator. He spent some time as a member of Mount Isa Mines’ mine rescue team, and worked at McArthur River Mine for ten years. He was working in Papua New Guinea when he fell ill.

His loving wife, Lorna, and son Justin live in Cairns. His mother Audrey Madsen and Stepfather Noel Madsen (who worked for Mount Isa Mines for 22 years) live in Nambour on the Sunshine Coast of Queensland.

We send our sincere condolences to the family and friends of Glenn “Marlsey” Marles, who will be sorely missed by all who knew and loved him.
Shape Up Online is an interactive health and wellness website available to all of our north Queensland employees and their families from the work intranet or your home internet.

How to access Shape Up Online from your work computer
1. Go to the Xstrata Intranet
2. Go to the Applications toolbar
3. Choose Shape Up Online
4. You will need to obtain the verification code from the Xstrata Intranet homepage

How to access Shape Up Online from your home computer
1. Go to your internet browser
2. Go to www.shapeuponline.com.au
3. You will need to obtain the verification code from the Xstrata Intranet homepage

Go to the Xstrata Intranet to find out more about Shape Up Online or contact Myra Law on 4744 3013.

Coming up in Cloncurry

Ernest Henry Mining is proud to be a major sponsor of Cloncurry’s upcoming annual events and we hope to see you there!

Cloncurry and District Annual Show
15–16 June

Cloncurry Stockman’s Challenge and Campdraft
19–22 July

Curry Merry Muster Festival
3–5 August