

# WULGURU

April 2015 · Edition 7

## Completion of the Macknade Stack

An impressive 70m  
stack built to the  
highest standards

## Welcome

Musings from Wayne  
our General Manager

## Cattle Knocking Box

Design, fabrication and  
installation of a unique project

Launch of New  
**Web  
sites**  
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# Welcome

**W**hat an interesting world we live in at the moment. It has been 12 months since our last newsletter and in that time we have seen the AUD drop 25%, the local share market increase by 10%, interest rates remain the lowest on record, and the Cowboys robbed again (some things never change). We have governments, at all levels, that appear to be more intent upon making short term populist political decisions than making the harder social and fiscal decisions that are needed to ultimately improve the areas in which they represent.

In our business, whilst there has been a further slowdown in mining and government infrastructure related work, we have experienced substantial increases in food processing, particularly meatworks and sugar related activities. Our Archimedes Engineering business in Brisbane has been particularly busy as business seek competitive advantages in existing operations through implementing improved material handling designs. The cattle knocking box project we have featured in this edition is just one example of this.

We have undertaken some substantial projects in both sugar and meat abattoirs over the past 12 months, but probably none more challenging than the new boiler stack for Macknade Sugar Mill. This was a major undertaking for our Group as this project included many variables, all of which needed to be accounted for and completed within a specific timeframe to ensure that there was no delay to the mill commencing the 2014 crush. We have highlighted this project within this edition as it is one we are proud to be associated with.

On another note, one of the pleasures of this industry is the people you meet along the way. Over the past 12 months we have said goodbye to 3 of our valued long term staff members which we have also paid tribute to in this edition. One of the strengths of the Wulguru Group is our stable and highly skilled workforce. Being a private company we are close to all our employees and it is always a sad time for us when we lose valued staff.

I hope you enjoy our latest corporate newsletter and look forward to your feedback.

Wayne Landrigan  
General Manager



## Cattle Knocking Box

Design, fabrication and installation of a unique cattle knocking box

**T**he Wulguru Group, through our Archimedes Engineering business, were approached by a large beef abattoir company to design, fabricate, install and commission a new knocking box for their Central Qld operation. It was specified that they wished to increase their capacity from 90 to 120 head per hour whilst not increasing staffing required for this process. It was also extremely important to these clients that the plant downtime was kept to a minimum while these works were undertaken.

Wulguru Group have a unique design for a cattle knocking box that not only accounted for these requests from the client but also incorporates benefits such as:

- Minimal wear components with easy access for maintenance purposes;
- High workplace health and safety standards with an ergonomic design for the operator;
- Stainless steel construction for health requirements.

The knocking box was fabricated within our workshop limiting risks such as safety, quality and timeframes traditionally associated with site works. It is a semi-automated design that is operated by only 1 person and adapts to a complete range of cattle sizes. The total plant shutdown, incorporating the removal of the existing facility and the installation and commissioning of the new knocking box, was completed in 17 days.

# Sugar Processing

**F**or those of you who have been following the story previously, the new boiler stack at Macknade Mill was delivered and commissioned in time for the commencement of the 2014 crush. This was achieved whilst despite the project being undertaken during a North Qld wet and cyclone season. In addition to being delivered on time and within budget, there were no Lost Time Incidents experienced during the 20,000+ man hours of the demolition, fabrication, construction & commissioning of this project.

Wulguru Steel fabricated sections of the new stack in segments up to 18m long and 6.2m in diameter in our Townsville workshop and transported them directly to site in whole sections. By doing this we were able to manage the tight delivery timeframe whilst maintaining a superior welding quality and low WH&S risk profile. When on site, working at heights up to 70m above the ground required careful planning and strict adherence to safety plans to ensure no incidents were experienced.

Wulguru Steel is proud to deliver a final result that is an impressive structure delivered to the highest possible standards.



## Completion of the Macknade Stack

Design, fabrication and intall of a 70m boiler stack for crush season

### Weld Techniques

Developing weld techniques and procedures to best work with LDX stainless steel material was initially challenging, our new process produced excellent results.



The Wulguru Steel home page is interactive

# New Websites

## Enhanced user experience

**MARKETING** Wulguru Group have recently launched a new suite of websites to depict our combined offerings. Our new corporate site [www.wulguru.com](http://www.wulguru.com) provides an overview of the Group and links to separate Wulguru Steel and Archimedes Engineering sites. Thanks to responsive technology the websites look great on tablets and smart phones.

- [www.wulguru.com](http://www.wulguru.com)
- [www.wulgurusteel.com](http://www.wulgurusteel.com)
- [www.archimedeseng.com](http://www.archimedeseng.com)



# Staff Notices

Vale – Jaime Dael 30/5/59 – 14/4/14



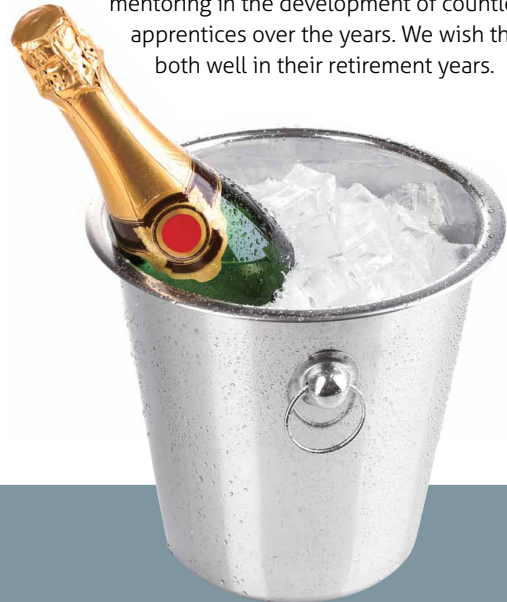
**W**ulguru Steel was earlier this year saddened by the passing of one of our most valued staff members and friends, Jaime Dael. Jamie commenced work as a boilermaker with Wulguru Steel in July 2006 after relocating from the Philippines. In his seven years with us he became

an integral part of our workshop with and a natural leader within the Filipino community. Jaime worked for Wulguru Steel up until late 2013 when, on being diagnosed with liver cancer, he moved back to the Philippines to be closer to his family. Our lives are the richer for knowing Jaime and our thoughts go out to his family.

**O**ver the past 12 months we have seen the retirement of 2 of our longer serving employees from the Wulguru Group. Vic Townley joined Wulguru Steel on 19 December 1983 as a boilermaker. In the 31 years until his retirement in October he was a key member of our workshop having played a key part in all the company's major projects in that time.

Bill Bracken spent 14 years as a boilermaker with Wulguru before retiring in November last year. In his time with us he was an integral part of our workshop as he possessed a high level of fabrication skills that Wulguru has built it's business on over the years.

Both Bill and Vic provided valuable guidance and mentoring in the development of countless apprentices over the years. We wish them both well in their retirement years.



## Works In Progress

**INCITEC PIVOT** Remediation of structural steelwork, painting & roof replacement in fertilizer storage sheds

**FNQ SUGAR** Tube change outs in South Johnson Mill No. 1 & No. 8 pans

**QLD SUGAR** Recently completed refurbishment of molasses tank at Mourilyan Harbour

**KILCOY PASTORAL** Supply of specialist staff for shutdown works

**MT ISA MINES** Fabrication and supply of U62 Tipple, supply of project management and specialised site staff for shutdown and installation