



CO-OPERATIVE BULK HANDLING (CBH GROUP) IS OWNED AND CONTROLLED BY MORE THAN 4,500 WA GRAIN GROWERS. SINCE BEING ESTABLISHED MORE THAN 75 YEARS AGO, THE GROUP HAS CONSTANTLY EVOLVED, INNOVATED AND GROWN. CBH'S CORE PURPOSE BEING TO CREATE AND RETURN VALUE TO GROWERS.

THE CHALLENGE

CBH's business challenge is to effectively manage the logistics of moving grain from country sites to port.

There are 130 rail sites operating at any time during day or night with variations in business process at each site.

The safety of staff loading and discharging trains is paramount. The implemented process needed to eliminate the injuries associated with loading and discharging trains.

Due to the volatility of the grain dust, there were stringent safety requirements that had to be adhered to for any operating equipment in an enclosed environment such as the grain discharge sheds.

The process was burdened with manual data entry which often resulted in incorrect and untimely information.

Transient and temporary staff over harvest period required that the process be simple enough for new casual staff to be productive with minimal training needs.

The network communications at each site also varied, so the solution had

The objectives of the project:

- Eliminate injuries
- Eliminate manual and duplicate data entry
- Provide accurate timely operational information
- Provide operational and financial efficiencies

THE SOLUTION

Diversus developed and deployed a solution that modernised the manual system yet kept the simplicity required for easy end-user interface.

Several different technologies have been utilised to ensure that critical information is recorded and accessible to the wider network.

Portable Scanner

- Designed with off-the-shelf products
- Industrial/commercial components for robustness
- Battery to cope with varying load times
- OHS considerations

Ruggedised Touchscreen Tablet PC

- Suitable for use indoor and outdoor use
- Handle harsh environment and treatment
- Touch using gloved hands
- Mobile, wi-fi and network communication for real time information/system updates

Dust-Ignition-Proof Messageboards

- Alert grid operators

GrainTrack

- Simple eight click process
- User experience/usability – touch and outdoor considerations
- Designed to cope with site variables
- Real time KPIs
- Bluetooth for communication to scanner
- Use of planned and actual scanned info

GPS for planning/alerts



MEASURABLE BUSINESS BENEFITS

Eliminates loading and unloading-related injuries

- Zero lost-time injury per month

Increases operational and financial efficiencies

- First year's savings:
 - 6500 hours
 - Near \$0.5 Million
- Savings in training new staff

Zero grain contaminations

Crew schedules aligned to actual train times

Provides accurate timely operational information

Eliminates manual and duplicate data entry

TECHNOLOGIES AND METHODOLOGIES UTILISED

Methodologies

- PRINCE2 for Project Management
- Agile techniques and iterative development for software delivery
- Business process mapping and re-engineering

Technology Software

- .NET
- Tibco
- Bluetooth
- Technology Hardware
- Tablet technology / Touchpad PC
- Portable and fixed RFID Scanner DIP
- Messageboards
- GPS

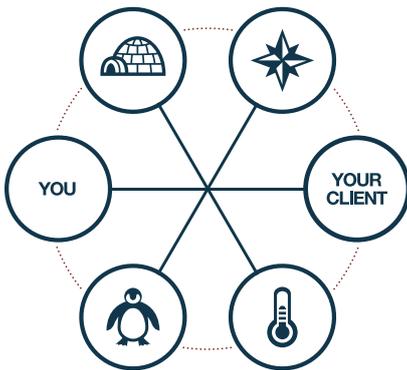
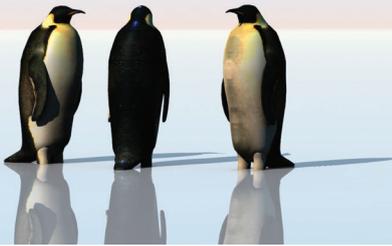
“Best change ever – great not having the rail cards. Everyone did an excellent job.”

RECEIVAL POINT OPERATOR MECKERING

GrainTrack means that there are no more rail cards which was a big safety issue for staff. The system automates the process of data entry saving time and reducing errors.

MANAGER AREA 4

AS A TRUSTED PARTNER, DIVERSUS RELIABLY DELIVERS QUALITY TECHNOLOGY AND INNOVATIVE BUSINESS SOLUTIONS



At Diversus, we focus on your business challenges and develop a plan to get you to where you need to be. We see our clients as our partners, and we seek to solve today's issues while never losing sight of the horizon.

IN THE BEGINNING

Established in 2006, Diversus has built a reputation for delivering quality work in an ethical manner

Our team work collaboratively to deliver tangible results. It's about evolving with business and technology, and making all people's contributions part of the process and solution.

WORLDLY LOCALS

Diversus is a wholly Australian owned and operated business and actively supports the local IT community. Our consultants all possess a diverse range of skills and professional experience from a variety of industries bringing a wealth of knowledge to your organisation.

Over 82% of our consultants have been raised in Australia with a strong understanding of the local economy. Yet 71% of our team has spent more than two years of their professional life overseas.

What does that mean to you, our clients? Our consultants are confident and nimble, using best practices to provide innovative solutions to business challenges.

STAYING IN FRONT

Ongoing skill and knowledge training, mentoring and support are fundamental to nurturing our staff and developing them throughout their career. Diversus is proud of our supportive reputation which enables us to attract and retain high-quality staff in the unique local market. For our clients, it is critically important that our people are armed with knowledge and possess the passion to develop and deploy industry best practice processes and tools.

Our expert team will help you respond to today's challenges to grow your business, reduce costs and optimise productivity, working closely with you on:

- Business Planning & Transformation
- Business Optimisation
- Customer Management & Analytics
- Digital Experience
- Digital Workplace
- Mobile Innovation
- Research & Development
- Cybersecurity
- Custom Solutions

CONTACT

Diversus reliably delivers quality technology and innovative business solutions that set your business to meet the challenges of today with capacity to plan for tomorrow.

If you'd like to speak with experienced professionals about solving your business challenges, please contact us.

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