

Your tyre management solutions





“ Otraco is the world leader in Off-The-Road tyre management”

About us

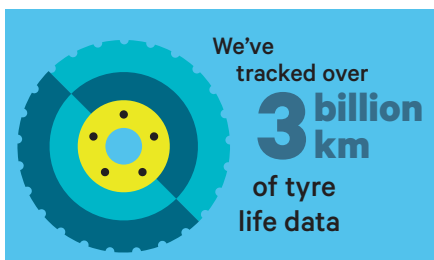


Otraco, a wholly owned subsidiary of Downer, is the world leader in Off-The-Road (OTR) tyre management. Our credentials are based on a proven ability to deliver maximum value for our customers' operations by reducing tyre operating costs, increasing productivity and enhancing safety.

We are a global company, with tyre management service contracts in Australia, New Zealand, South America and Southern Africa. We have been partnering with the world's leading mining businesses delivering value since 1972.

Benefits are maximised through:

- setting the standard in global tyre safety leadership;
- enhancing productivity by minimising truck down time;
- sharing proven best practice, developed on some of the world's flagship mining operations across all commodity types and fleet compositions;
- providing access to dedicated engineering resources and an innovation-led approach;
- maximising tyre life;
- a full suite of training programs delivered by our Registered Training Organisation and its unique training centre;
- quality systems and procedures proven to be compatible with the highest standards worldwide;
- Otracom, our web-based, real-time tyre management software system; and
- up-to-date performance knowledge of the full range of available tyre brands – including Tier 2.



In house value engineering



Backed by extensive research and development, as well as practical experience on some of the world's largest mine sites, our professional engineering, technical and supervisory staff are available to advise customers on all tyre-related issues.

Engineering Capability

Our expert counsel is often sought to guide management decisions in areas such as tyre selection, specification, delivery schedules and the related issues of mine design, haul road maintenance and suspension effects.

While daily maintenance activities are performed by on-site employees, our engineers work closely with mine management to ensure that high standards of tyre efficiency and productivity are achieved.

Global Engineering Team

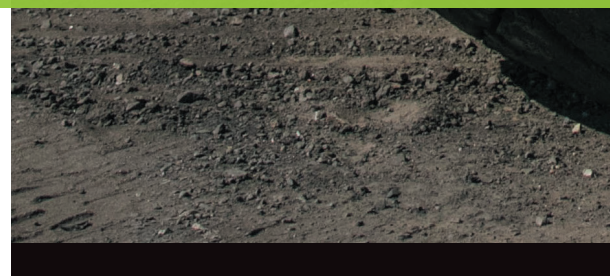
Otraco's Global Engineering Team (GET) is a geographically diverse assembly of Otraco's most experienced technical staff. With over 100 years of combined earthmover tyre related experience, the GET works collaboratively through the sharing of innovative thinking, cutting edge technological development and best practice tyre management processes worldwide.

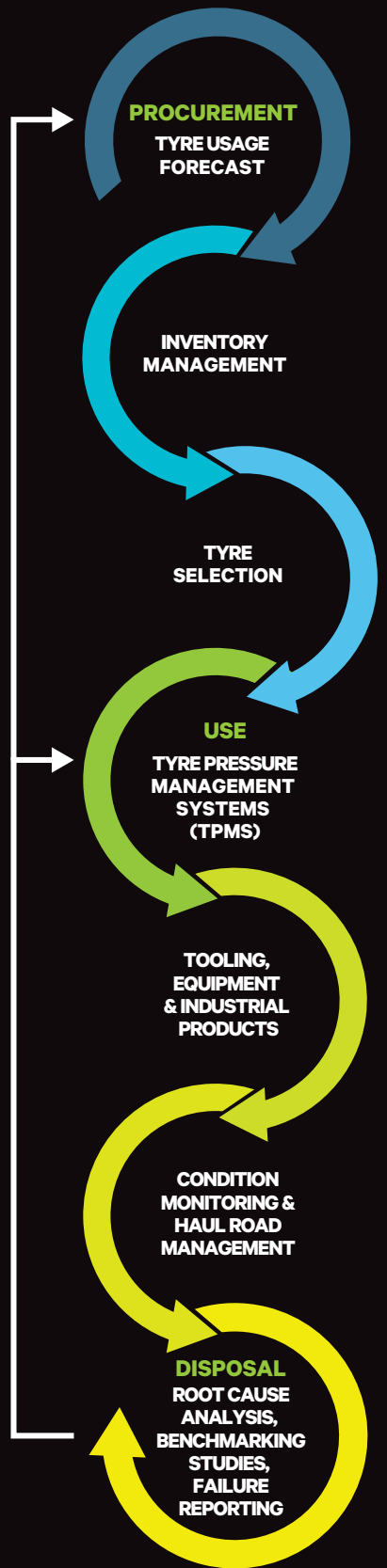
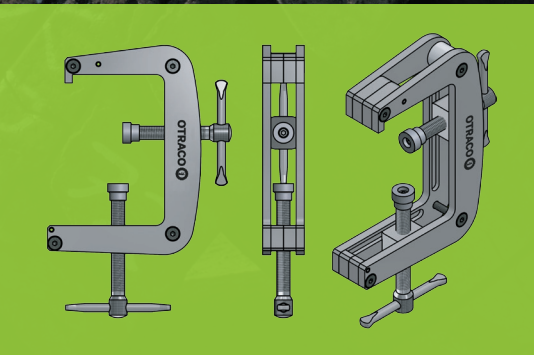
Otraco's GET adds value to our customers through development of in-house purpose built tooling, market leading tyre forecasting techniques and engineering solutions to earthmover tyre hazards.

By leveraging the GET's vast experience, Otraco can tailor a tyre management solution to best suit your mining environment, keeping your business at the forefront of tyre related industry developments, while providing independent and unbiased recommendations.

Sometimes the simplest solutions are the best.

Otraco has developed specialised sealing clamps for large earthmover tyres (57"-63") to allow the tyre to quickly achieve a proper seal for inflation during vertical tyre changes. Such designs are completed using 3D modelling software and come with full engineering certification.







Advanced Forecasting Module

2017 saw the release of our new advanced tyre and rim forecasting module, that allows accurate forecasting of components (tyres and rims) over a period from 12 months to five years.

Forecasting can take place at varying levels of detail allowing the user to set tyre life, vehicle SMU hours, rotation intervals. The levers can be set at fleet level, by vehicle specification or even individual vehicle.

Forecasting of rim Non-Destructive Testing (NDT) requirements is an integral part of this module, allowing you to determine what rims will need removal for testing well before NDT intervals have been exceeded).

Neuroverse Data Analytics

Otraco is partnering with Snowden (a Downer Company) to power Otracom's next generation reporting capabilities with the new Neuroverse analytics platform.

For the first time, Otracom reporting will involve advanced analytics, visualisation and machine learning to deliver an Internet of Things solution that is easy to use and highly accessible.

By embracing the new capabilities within Otracom, your company's tyre management processes will be completely transformed through real-time insight, interactive dashboards and increased productivity.





Otracom



Otracom is designed to meet the needs of the global mining, quarrying, construction, port and heavy transport industries. It is an easy-to-implement, comprehensive and real-time solution for managing the tyres, rims and chains fitted to heavy vehicles.

It is the ideal choice for customers with multiple mining operations, as multiple fleets can be managed centrally – vehicles, tyres, rims and chains can be transferred between sites without losing their history.

Otracom

We pride ourselves on being at the cutting edge of tyre management technology, with our tyre management and reporting system, Otracom.

Otracom is an Internet-based software system for record keeping, performance analysis, and supply management of tyres, rims and chains.

It enables users to rely upon a centrally maintained management system that delivers reports and consistent analysis from around the world.

Otracom is a multi-language, user friendly system that also allows for integration with tyre pressure monitoring systems (TPMS), fleet management and ERP systems.

In use in seven countries at over 80 mine sites, Otracom is an internationally recognised Tyre Management System (TMS) that tracks and manages tyres and rims from manufacture to disposal to identify performance trends, and ultimately, reduce tyre related costs.

Otracom Mobile

Otracom Mobile is the next evolution of the Otracom Tyre Management System, combining detailed reporting of Otracom with the convenience of a mobile app available on both the Apple iOS and Android platforms.

Otracom Mobile's easy to use interface allows tyre technicians to record pressure and tread depth data whilst allowing users to instantly check stock levels, statuses, perform stock takes and receive new tyres or rims into the system.

The application does not require network connection to function so it can be used anywhere. This allows you to capture data in the field and upload it once you have network access – saving time, reducing paperwork and improving reporting accuracy.



Our people



Our people are our greatest asset because they deliver results for our customers, the communities in which we operate and each other.

Our people are our advantage

forms one of Otraco's key values. We are highly motivated to invest in individual development and to provide recognition, encouragement and direction through leadership.

In our workforce, our customers and the regions in which we operate are the foundation of our past and future success. It's more than just recognising difference; it's about leveraging this difference and tapping into the diverse perspectives and approaches of all our stakeholders.

Otraco is an equal opportunity employer, with a number of female Tyre Technicians, Planners and Project Engineers already within the business. Otraco's target is to more than double female participation by 2020.

Training

Our commitment to training quality tyre professionals for the industry is second to none. Otraco is a Registered Training Organisation certified to deliver training, assess competencies and issue qualifications recognised within the Australian Quality Training Framework.

At the core of our innovative training program is our tyre training centre in Perth, Western Australia – built to address the Australian shortage of quality OTR tyre fitters, and to reinforce our culture of safety and best practice.

Trainees undergo a six-week course at the centre, which starts them on their path towards gaining a Certificate 3 in Automotive Tyre Servicing Technology. They continue their training on mine sites, starting their new jobs armed with key skills and safety training.

Operational Excellence

Our on-site tyre management and maintenance teams offer round-the-clock operational support for mine operators.

Trained and experienced teams are available to manage every aspect of tyre-related repair, warranty management, performance reporting and condition analysis, along with the routine workshop functions of tyre changing and pressure maintenance.

On-site support is tailored specifically to each customer and is driven by the need to:

- increase mine-site profitability;
- minimise tyre costs;
- maximise plant availability and service life;
- reduce management and maintenance expenditure;
- enhance efficiency through continuous improvement and education; and
- maintain the highest-possible quality, safety and environmental standards.



Health, safety, environment and quality



At Otraco, Zero Harm to our people and the environment is our highest priority.

Critical Risk Management

Critical risk management is a practical approach to improving managerial control over unlikely but potentially catastrophic events by focusing on the implementation and effectiveness of critical controls.

In 2016 Otraco developed a number of bowties to capture earthmover tyre specific fatal risk scenarios, causes and controls. Based on this analysis we created in-field critical control verification tools for supervisors and managers to monitor critical controls are in place and effective.

Otraco has also been an active member of the Minerals Council of Australia's Tyre Fatalities Working Group since March 2015. Otraco played a fundamental role in supporting the working group through the development of two discussion papers on the history of significant injuries and fatality events within the industry.

Zero Harm



We are committed to providing a safe work environment through our systems and processes, as well as training and supervision – ensuring that our people remain safe from injury and risks to their health.

Central to our management of risk is our Safety Management System known as the OMS (Otraco Management System), which incorporates our health and safety, environmental sustainability and quality management policies, standards and procedures.

Our OMS is externally certified to AS/NZS 4801:2001, BS OHAS 18001:2007, ISO 14001:2004 and ISO 9001:2008.

We are constantly working to improve our current Zero Harm procedures, incorporating lessons learnt internally and throughout the wider industry as well as researching and implementing new and innovative methods. Moving us beyond compliance to best practice.





Importance of Critical Risk Management in Tyre Maintenance

According to industry research, fatalities occurring while handling tyres are disproportionately represented across the industry.

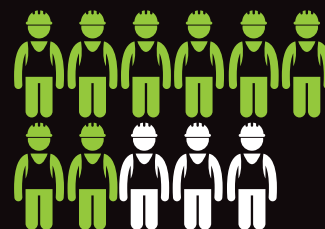


While tyre maintenance comprises only 10% of total machine maintenance hours...



Fatalities while servicing tyres account for more than half of total fatalities which occur during routine maintenance.

Working with tyres is **10 times more likely** to result in a fatality.



Of these fatalities, non-tyre fitters are almost three times more likely to be killed than experienced tyre fitters.

Source: Vol 1 Tyre Related Events in Mining - 2016



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