

ABOUT US & OUR PARTNERS

Waste Initiatives, through our premium **Vertech** range, delivers complete premium tyre recycling solutions to Australia's mining and heavy industries. We partner with world-leading US manufacturers including **Eagle International**, **Barclay Shredders** and **SSI Shredding Systems**.

OTR TYRES IN AUSTRALIA

OTR tyres are one of the biggest waste challenges in Australia's mining sector. Weighing several tonnes and reinforced with thick rubber and steel, they are beyond the limits of standard recycling equipment. Stockpiles take up space and create long-term environmental and fire risks for operators.

Their sheer size makes transport costly, while their construction wears out conventional machinery and increases safety risks for operators. Fluctuating demand for recycled outputs adds further complexity, making dedicated solutions essential.

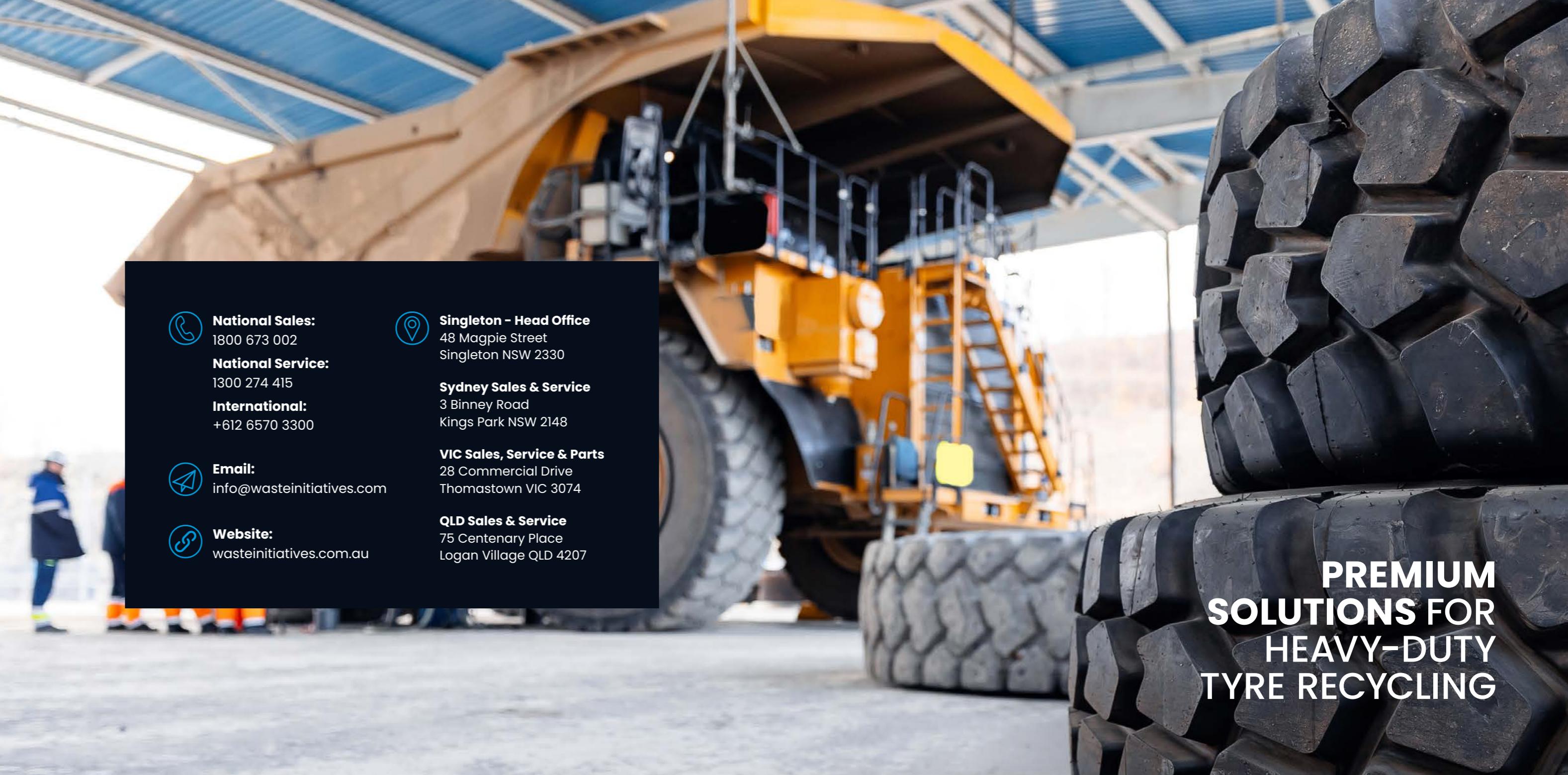
With proven technology that is durable, reliable and supported locally, our integrated lines cover every step from bead removal and splitting to shredding and final reduction, giving operators safe, efficient and future-ready solutions.

THE SOLUTION?

Our specialised solutions make large-scale recycling possible through a staged process.

Eagle International equipment enable mobile debeading, splitting and shearing, making tyres safer to handle and more cost-effective to transport. **Barclay shredders** deliver consistent, fuel-grade TDF suitable for energy recovery both locally and abroad. **SSI Shredding Systems** complete the process, reducing tyres to wire-free rubber mulch and clean steel ready for reuse.

Working together, these technologies transform a difficult waste stream into valuable resources, improving safety, reducing costs and creating long-term benefits for Australian mine sites.



OUR RANGE

wasteinitiatives.com.au

VERTECH

FROM **PASSENGER**
THROUGH TO **OTR TYRES**,
FUEL-READY **TDF** & BEYOND

**PREMIUM
SOLUTIONS FOR
HEAVY-DUTY
TYRE RECYCLING**

THE ULTIMATE SOLUTION FOR TYRE RECYCLING

Recycling tyres, especially OTR, demands specialised systems designed for each stage of the process. Through our premium Vertech range, Waste Initiatives delivers complete solutions that safely and efficiently transform the world's largest tyres into valuable resources.

EAGLE INTERNATIONAL

Based in the USA, Eagle International has specialised in tyre debeading, splitting and shearing equipment for decades. Their patented machines are built specifically for handling oversized OTR tyres, removing steel beads and cutting casings into manageable

segments. Eagle's systems improve operator safety, reduce transport costs and prepare tyres for efficient downstream processing, making them a trusted global leader in heavy-duty tyre downsizing.



BARCLAY SHREDDERS

Based in the USA, Barclay has produced high-performance tyre shredding equipment for more than 25 years. Designed to withstand the extreme demands of OTR recycling, Barclay machines handle everything from primary shredding at 150 mm

through to secondary reduction and classification at 50–75 mm TDF. Known for durability, long service life and efficiency, Barclay delivers consistent output at the lowest total cost of ownership.



SSI SHREDDING SYSTEMS

Based in the USA, SSI Shredding Systems is recognised worldwide for its heavy-duty reduction technology. The Uni-Shear SR900 is purpose-built for tyre recycling, refining pre-shredded material into up to 35 mm rubber mulch. During processing, steel is liberated for recovery while

producing clean, uniform rubber for civil engineering, landscaping and energy markets. SSI machines are engineered for high throughput and continuous duty, giving operators reliable performance and versatile end-product options.



We partner with trusted suppliers for our **Vertech** range because we demand the same standards our clients do, **solutions** that are **robust, reliable, and built to perform**. To find out more about us, visit wasteinitiatives.com.au



Scan the QR code to find out more on our Tyre Recycling Equipment



Scan the QR code to watch our tyre recycling equipment in action

ADD EAGLE EQUIPMENT TO UNLOCK FULL OTR RECYCLING CAPABILITY

PROCESS WHOLE TYRES (PASSENGER TO TRUCK) & CUT OTR SEGMENTS

FURTHER TDF REDUCTION

SOLUTIONS TO YOUR WASTE CHALLENGES