



ASX ANNOUNCEMENT
27 JANUARY 2023

Operations and Infrastructure Update

HIGHLIGHTS

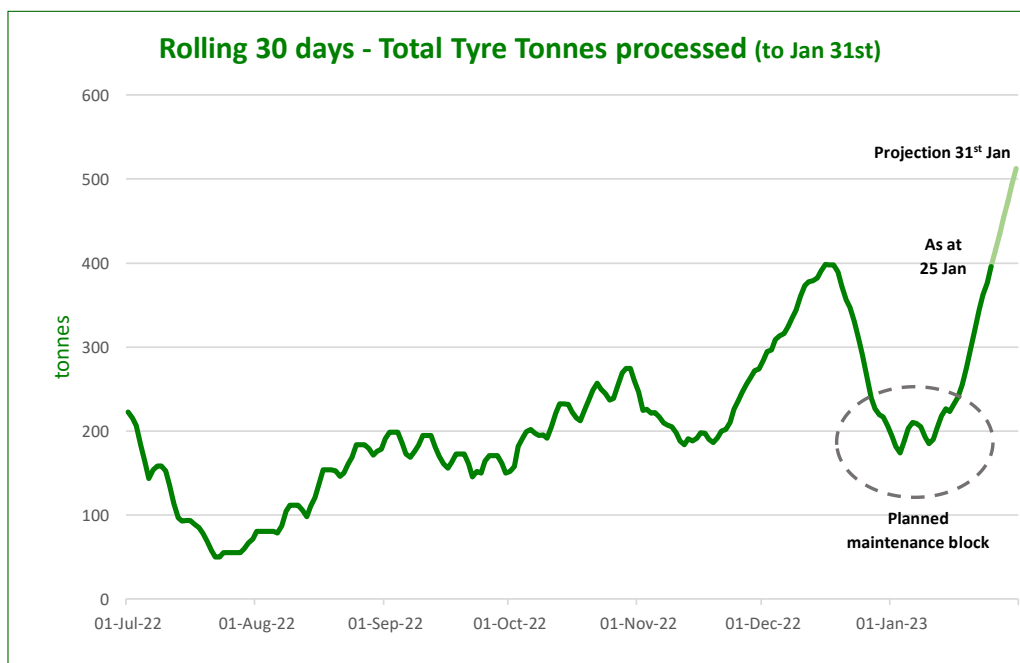
- **Key infrastructure installed driving financial and operational benefits – full value impact expected to be realised in Q4 FY23**
- **Successful transition to 24/7 operations post targeted infrastructure completions**
- **Increased automation, central operating systems and patented process providing the platform for selected and identified site expansion**

Environmental technology company **Entyr Limited (ASX: ETR) (Entyr or the Company)** is pleased to provide the following update on operations and infrastructure to shareholders.

Operational and infrastructure update

As planned, the Company has transitioned to 24/7 operations from October 2022. This allowed us to build the required depth in skills and competencies across the work crews to ensure readiness for when full operational ramp up commenced in January 2023.

The Company's planned maintenance block in the second half of December 2022 and the investment in critical spare part inventory has supported all thermal desorption reactors (4 units called TDUs) being available in January 2023, allowing ramp up to planned commercial volumes through the first quarter of 2023.



30 day rolling total equivalent tyre tonnes processed: Source Company

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Key Infrastructure Projects

Two key pieces of infrastructure being the Rasper (used tyre pre-processing equipment) as seen in image 1 and 2 below, and Fuel Management System (post processing infrastructure) represented in images 3 and 4, were commissioned during the December 2022 quarter. Both are now in full operation.

Rasper Installation and Benefits

The Rasper extracts all remaining steel in the used tyres and produces a consistent high-quality feedstock, allowing almost 100% rubber to be injected into our TDU's. The purpose of this rasper is to;

1. Increase fuel and carbon yields by approximately 14%
2. Increase TDU availability by 10 - 20% by removing potential steel impediments in the heating process



Image 1 and 2: Rasper Installation on site at Stapylton: Source Company

Fuel Management System and Benefits

The Fuel Management System has had both strong operational and quality control benefits including;

1. higher fuel quality;
2. increased onsite storage capacity;
3. improved efficiencies by reducing manual handling requirements and;
4. improves operational health and safety onsite.

Approximately 110,000 litres of tyre derived fuel oil has been processed in January to date through the tank farm for delivery.



Image 3 and 4: Fuel management system installation on site at Stapylton: Source Company

Twin Shaft - Used Tyre Shredding Equipment

An inline twin shaft shredding system has been delivered to site in the first week of January 2023 with installation underway. Its purpose is to pre shred whole used tyres (from car tyres to mining and off-road tyres) in preparation to be fed "inline" to the Rasper, described above. One of the largest in the southern hemisphere, installation is scheduled to be completed by mid to late February at which time we expect to see;

1. financial savings of our pre-processing costs by up to 75%, reducing from approximately \$200 to \$50 per tonne, or up to an estimated \$1.5 million saving for every 10,000 tonnes processed.

The new shredding system will enable increased throughput and reduce operating costs by eliminating 80% of current manual handling and bring shredding operations in-house, an expensive process which is currently being outsourced.



Shredding System being installed

Image 4, 5, and 6: Shredding system installation on site at Stapylton: Source Company

Increased Automation and Control Room Upgrades

All key assets, including our new infrastructure, have been connected to a centralised control room to enable to continuous real time monitoring of our unique patented process.



Image 7: Control Room Operations at Stapylton, QLD: Source Company

We have made significant progress with yard infrastructure to facilitate the streamlined processing of tyres by reducing our stockpiles to be "best in class" with regulators as we work towards completion of our 'just-in-time' operations.



Image 8: Tyre collection and receivals yard at Stapylton, QLD: Source Company

Summary

The Company is pleased with the current progress for the installation of planned infrastructure and has implemented and actioned its operational plans as laid out to shareholders in late 2022. We continue to work towards our full commercialisation goals for the Stapylton site.

Authorised for release by:

Mike Barry
Chairman

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About Entyr Limited

Entyr Limited (formerly Pearl Global) (Entyr) (ASX: ETR) is a revolutionary tyre processing company that applies unique, next-generation thermal desorption technology to cleanly convert tyres into valuable sustainable products including waste to energy opportunities. Entyr holds Australia's first environmental approvals for thermal treatment of rubber and is in commercial production at its facility in Stapylton, Queensland.

Entyr's technology is a significant advancement on other methods of processing waste tyres due to low emissions, no hazardous by-products and requires no chemical intervention. It is the only process that meets the standard emissions criteria set by the Australian regulators for this type of technology.