Half Year Update

5th March 2024

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FY24 H1
Operational Performance

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H1 FY24 Highlights

- ✓ Offtake volumes secured with domestic and international customers including milestone agreements executed with Trafigura
- ✓ Record revenue achieved
- ✓ Record tyre collections volume & price
- ✓ Investment in key infrastructure projects on track for completion in H2
- ✓ Improved financial position
- ✓ Successful product trials

Key Metrics

OPERATING REVENUE

Up 25% (pcp)
to $3.2m

TYRE COLLECTION PRICE

Up 11% (pcp)
to $531 per tonne

TYRE COLLECTION VOLUME

Up 23% (pcp)
to 5,900 tonnes

LOSS BEFORE TAX

Down 47% (pcp)
to ($4.5) million

CAPITAL INVESTMENT

$2.8m

CASH AT THE END OF THE PERIOD

$5.1m

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Offtake & Collaboration Agreement with Trafigura

In December 2023, Entyr signed two milestone agreements with the global trading house to support development and expansion

A key strategic milestone for Entyr with a market leader in the global commodities industry, sharing a commitment to innovation, growth, and delivering exceptional value to customers and stakeholders.

The Company expects the Agreements to provide access to a global market for rCB and oil sales which will underpin the financials of the Stapylton facility when fully operational and future Company owned facilities domestically and internationally.

Offtake Agreement

- **Volume**: Trafigura will offtake 100% of Entyr's Products from the Stapylton facility and any future domestic or international facilities owned by Entyr.
- **Pricing**: Trafigura will seek to achieve the highest commercially available price for Entyr's Products. Trafigura is incentivised with a profit-sharing mechanism above the floor price and a nominal handling fee below.
- **Term**: 20 years, subject to an early termination if Trafigura does not at least offer to subscribe for a minimum of $2.5m within an initial 2-year period.

Collaboration Agreement

- Support Entyr's technology and product development and to jointly evaluate future projects leveraging Trafigura's scale, reach and financial capacity.
- Trafigura has an option to invest up to 25% of the equity in any subsidiary special purpose vehicle incorporated by Entyr to hold any new plant(s) during this period.

Benefits

- ✓ Global Marketing and Logistics Platform
- ✓ Focus on Technology Development
- ✓ Opportunity to jointly evaluate future projects and explore investment opportunities
- ✓ Enhanced Flexibility
- ✓ Market Feedback
- ✓ Efficient Corporate Overheads

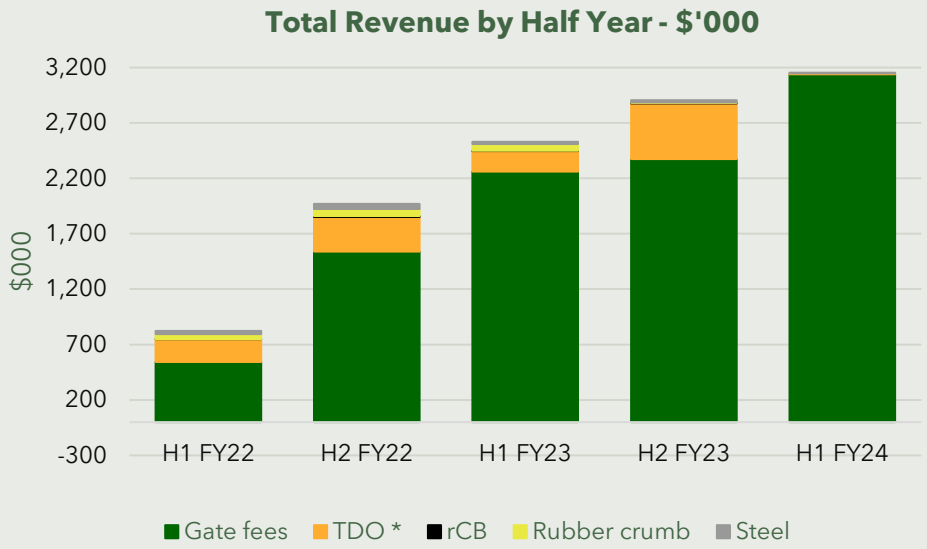
Revenue Example (using floor prices)

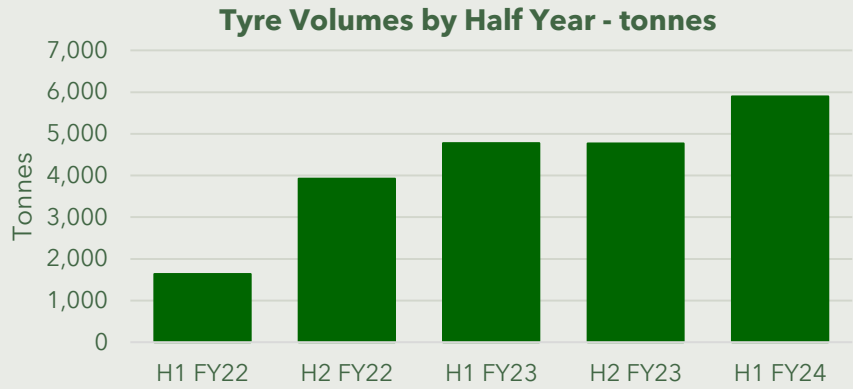
	Estimated volume pa (tonnes)	Anticipated initial market price ($/t)	Calculated revenue per annum ($m)
Tyres	20,000	535	$10.7m
Steel	4,000	125	$0.5m
rCB	5,600	200	$1.1m
TDO	8,000	750	$6.0m
Total			**$18.3m**

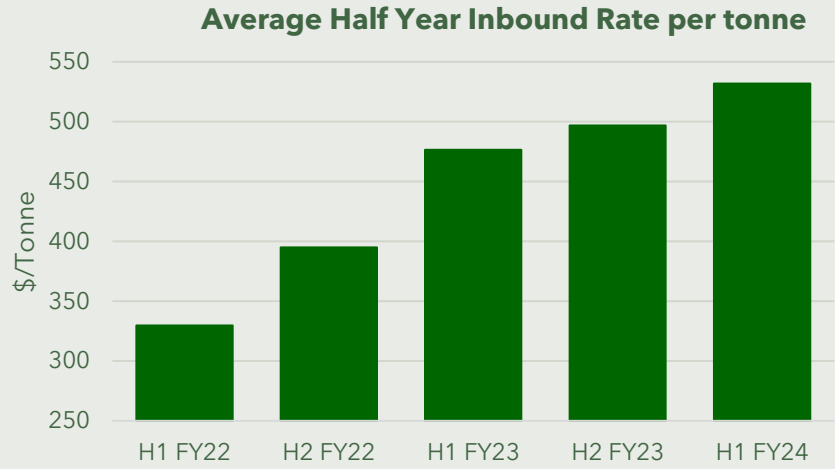
Continuing upwards momentum in revenue

Increasing revenue, volume and price per tonne for tyre collections

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- Revenue continues to grow each half year increasing 25% from H1 FY23 to H1 FY24
- Inbound tyre volume shows consistent growth increasing 23% from H1 FY23 to H1 FY24
- Positive trend in the collection price continues, increasing 11% from $477 per tonne in H1 FY23 up to $532 per tonne in H1 FY24

Key Infrastructure Projects - Stapylton

Transitioning from pilot to full scale commercial facility (benchmark facility)

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Infrastructure investment outcomes:

- Increase overall site capacity by installing materials handling infrastructure
- To facilitate sustained throughput volumes
  - Reduce process downtime
  - Reduce repairs & Maintenance expense
  - Reduce human interaction and intervention
- Enable consistent production of high-quality products
  - Process controls
  - Fit for purpose
- To improve process efficiency
  - Reduce process waste %
  - Increase oil production %

Key Infrastructure Projects - Stapylton

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Milling & bagging unit

The milling and bagging unit receives the recovered carbon black (rCB) after the thermal process and its primary function is to remove any remaining steel, mill the material down to 1mm minus in size and then bag the material into 1 tonne bulk bags. This is all done in an enclosed environment to reduce dust and improve employee safety and environmental compliance. Quality control processes have been integrated and the unit will be controlled by the new Distributed Control System (DCS). This infrastructure replaces equipment that was manually operated, not fit for purpose and was structurally inadequate.

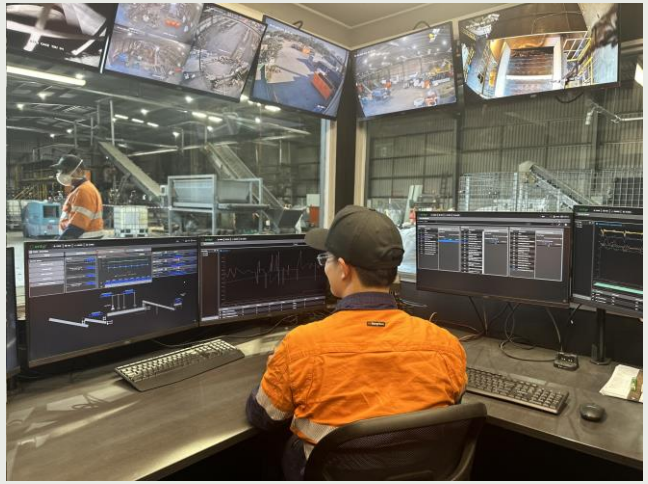
Completion of this stage of the project will enable tight quality control and efficient packaging of the rCB which is an essential step to realising maximum value through the Trafigura agreement.



Milling & bagging unit – under construction

Distributed Control System (DCS)

The DCS is the brains of the facility, automating and controlling the process from end-to-end. It is a Supervisory Control and Data Acquisition (SCADA) based system that replaces an internal built monitoring system. This new DCS significantly reduces human interaction and will improve energy use and improve plant up time.



Control room for DCS operation – DCS commissioning

Key Infrastructure Projects - Stapylton

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TDU Electrical, Hydraulic and Pneumatic upgrade

This project upgrades and moves 3 of the critical enabling systems of the thermal reactors.

- **Electrical** - Electrical boards are being fully refurbished / modernised to code and relocated away from the TDU's. This is to improve plant uptime, reduce repairs and maintenance costs and ensure compliance with the required standards.
- **Hydraulic** - New hydraulic system with significant upgrade capacity are being installed to improve plant up time and repairs and maintenance cost.
- **Pneumatic** - New compressed air system has been installed with a significant upgrade of capacity to improve plant uptime and repairs and maintenance costs



Compressed air system (1 of 2 in total installed)


Electrical control box for TDU1 (1 of 4 in total being installed)


Hydraulic power pack TDU 1 (1 of 4 in total being installed)

TDU gas management system

This project upgrades the gas movement efficiency from the TDU's to the condensers and the thermal oxidiser with the outcome of improved plant uptime, reduced repairs and maintenance and improved oil production efficiency.

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Infrastructure delivery

- Significant progress made on key infrastructure projects with $2.8m spent in H1 FY24
- Several critical projects have suffered delays due to funding availability. These delays were due to the timing of receipt of the $9.3 million R&D tax incentive (budgeted September 2023 however received late December 2023)
- This delay caused rescheduling of significant third-party activity and caused cost challenges due to contractor availability and inflationary pressures
- 24/7 operations planned for mid year
- Project completion will allow for commercial operation lifting the site processing capacity from 9,000 tonnes to approx. 20,000 tonnes allowing for a cash positive position at a site level

Project	% Complete	Targeted completion date	Updated completion date
Milling & Bagging unit design and installation	90%	20/02/2024	31/03/2024
TDU electrical upgrade	60%	30/12/2023	31/05/2024
TDU gas extraction upgrade / tank farm vent system + recirculating sprays	45%	30/12/2023	30/06/2024
Safety upgrades to guarding and platforms	30%	30/12/2023	30/04/2024
Gas extraction point automatic punch	70%	30/12/2023	30/04/2024
Tank farm expansion	50%	30/12/2023	31/05/2024
Fume extraction upgrade	50%	30/12/2023	31/05/2024
DCS development & installation	80%	15/12/2023	30/06/2024
TDU hydraulic upgrades	90%	15/12/2023	30/04/2024
Rasper dust extraction + nylon handling from rasper + nylon compaction	90%	30/11/2023	31/03/2024
Centralised air compressor system	100%	10/11/2023	Completed
TDU 1 & 2 relocation to align with 3&4	100%	Completed	Completed
Electrical sub board upgrade and relocation	100%	Completed	Completed
General site detailed mechanical specifications development	100%	Completed	Completed
General site detailed electrical and instrumentation specifications development	100%	Completed	Completed

Pottinger Engagement

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Validation of Global Market and Technologies

Investment banking and strategic advisory firm, Pottinger was engaged during the period to conduct an extensive global market & technology review for the Board.

Development of Strategic Pathways

Pottinger was subsequently engaged to work with the Company to assess and execute on strategic initiatives with the objective of optimising shareholder value. With global operations, an aligned focus on sustainability and access to an array of international stakeholders, Pottinger is the right partner to assist with Entyr's long-term growth trajectory.

Successful rCB product trials

Samples produced exceeded specification requirement outlined in the Bridgestone / Michelin white paper for rCB use in Tyre manufacturing

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Recently, Bridgestone and Michelin collaborated with rCB suppliers to develop a white paper out lining performance requirements for the tire industry. As an outcome, a rCB specification was produced. https://rcbrubber.com/

Entyr conducted several material trials in conjunction with a key industry player to determine process performance. The following table shows the trial results against the Bridgestone / Michelin white paper specifications.

HRL Sample No. 23-1249	White Paper Specification	Entyr Trial Results Sample 1	Entyr Trial Results Sample 2
Moisture @ 125°C %	<1.5%	<0.1%	0.1%
Ash Yield @ 550°C %	>15%/<20%	17.8%	18.9%
Sulphur %	<3.5%	3.1%	3.3%
Toluene Extract Transmission	>80%	87%	99.0%
pH	6 - 10	7.7	7.6
BET Surface Area m^2/g	65 +/- 10	64.9	71.5
In rubber rCB dispersion	D99 <10µm	D97<10 µm (process performed externally)[1]	

1. Result based on requested criteria, the material consisted of D85 <6µm on request milling size of D99<10µm will be achieved

Quotes from White paper

Quote 1 (Marco Musaio, Bridgestone): "The use of recovered carbon black in tires is a critical element of our efforts to achieve products that are made from 100% sustainable materials by 2050."

Quote 2 (Fabian Gaboriaud, Michelin): "The conversion of End-of-Life Tires that can be reused in our tires marks a significant initial stride towards achieving our goal of 40% recycled materials by 2030."

Other Achievements

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Innovation award

The Group received national recognition at the Waste Innovation and Recycling Awards gala dinner held in Melbourne on the 25th of October 2023. The Group received the Innovation Award for its world-leading thermal conversion process for end-of-life tyres.

Supercars partnership

The Company partnered with Supercars to achieve the shared goal of seeing end-of-life Dunlop race tyres converted into valuable material, creating a positive circular sustainable outcome. The first steps in the partnership were taken in October 2023 with tyres from the Boost Mobile Gold Coast 400 collected and processed at the Stapylton facility.

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Growth Strategy

FY24 strategic goals

Entyr has made substantial progress on the FY24 strategic goals and is currently on-track for the second half

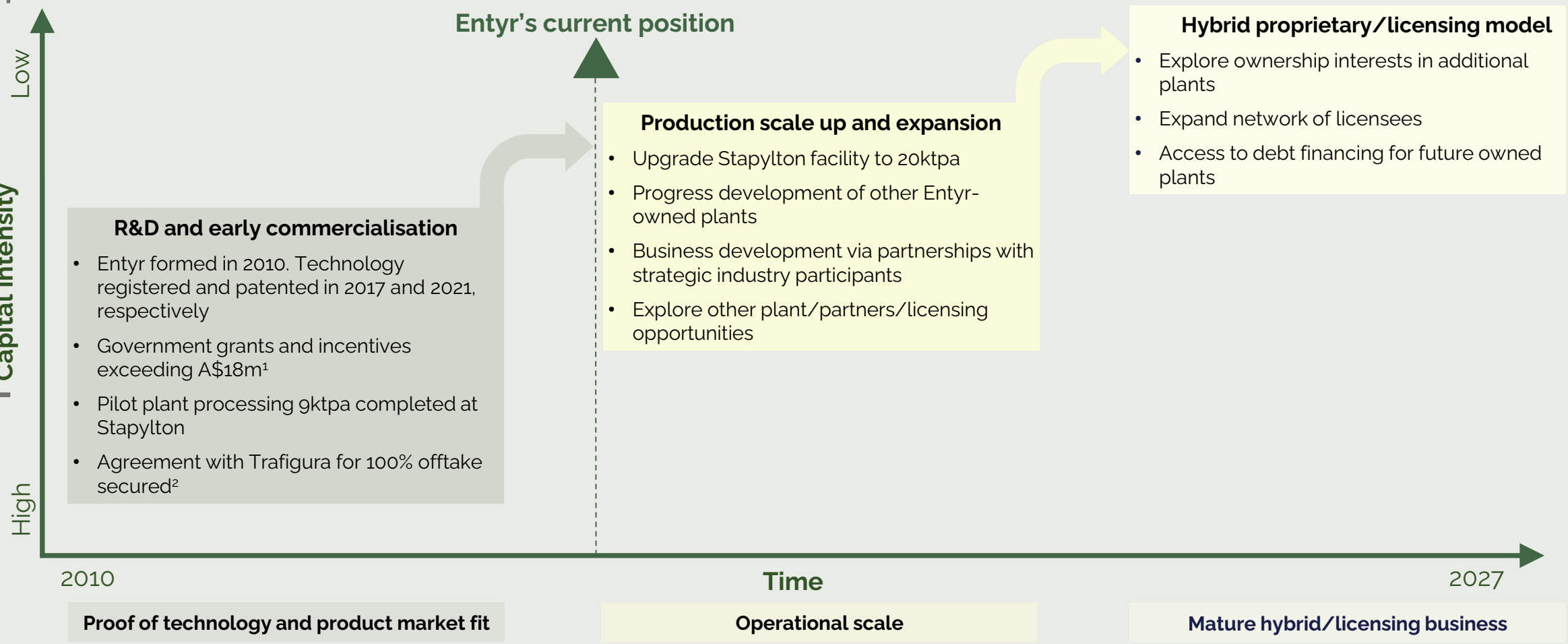
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Feedstock revenue	Operational capability	Offtake	Expansion
▪ Grow collection volume to 1500t per month ▪ Increase tyre collection average gate rate to $550/t ▪ Reduce collection costs by 10%	▪ Complete planned infrastructure program on time and on budget ▪ Milling & bagging unit ▪ Electrical, hydraulic and pneumatic upgrades ▪ New gas management system ▪ DCS ▪ Recruit and train required work force for full operations ▪ Operation of plant between 1000 to 1500t per month	▪ Sales of 100% of manufactured TDO ▪ Sales of 100% of manufactured rCB ▪ International opportunity identified for high quality, high value rCB	▪ Government funding assistance ▪ Strategic partner opportunities ▪ Progressing options in relation to other plants ▪ Build domestic and global brand awareness
H1 FY24 Progress Update			
▪ $532/t gate rate achieved in H1 FY24 (increase from $477/t in H1 FY23) ▪ Collection volume at 1000t per month (increased from 800t per month H1 FY23)	▪ Infrastructure plan completed by mid year 2024 ▪ 24/7 operation to commence after infrastructure completion	✓ Secured 100% of offtake through agreement signed with Trafigura in Dec-23	▪ Opportunities identified for ongoing expansion with new domestic and global commercial partners, as well as building the framework to attract government assistance

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Strategy outlook

Entyr is ready to scale up operations and commence expansion with support from Trafigura



Notes: 1. Includes R&D tax incentives, a QLD government research recovery grants, a QLD government waste to biofutures grant and an Australian research council grant.
2. Agreement with Trafigura signed on 20 December 2023.

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FY24 Half Year Financials

Profit & Loss

Improvement in loss before income tax of 47%

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Revenue

- 25% increase in operating revenue YoY
- 38% increase in tyre collection revenue YoY with record volumes and price achieved
- H1 FY23 includes $0.3 million from sales of tyre-derived products (nil in H1 FY24)

Other income

- H1 FY24 includes recognition of estimated half year R&D tax incentive revenue of $2.5 million

Costs

- 5% reduction in total costs YoY
- 12% reduction in operating costs YoY reflecting:
  - Scaled down operations due to investment in infrastructure program
  - Operating efficiencies achieved through installing in-house rasper and shredder in FY23 and lower shred disposal costs
- Employee benefit expenses includes contractor costs $0.1 million in H1 FY24 (Nil in H1 FY23)

A$m	H1 FY24	H1 FY23	%
Revenue	3.1	2.5	25%
Other income	2.9	0.1	280%
Total income	**6.0**	**2.6**	**131%**
Operating expenses	(5.3)	(6.0)	12%
Employee benefit expenses	(1.6)	(1.3)	(28%)
Share based payment expense	(0.1)	(0.1)	-
Other expenses	(1.5)	(1.7)	12%
Costs	**(8.5)**	**(9.1)**	**5%**
Depreciation & amortisation	(1.4)	(1.7)	19%
Impairment expense	-	(0.3)	100%
Finance costs	(0.6)	(0.2)	(200%)
Loss before income tax	**(4.5)**	**(8.7)**	**47%**
Income tax benefit	-	1.6	(100%)
Net loss after tax	**(4.5)**	**(7.1)**	**35%**

Balance Sheet

Stable net assets and conversion of receivables into cash

Cash

- $5.1 million closing position boosted by receipt of the $9.3 million R&D tax incentive and new borrowings, partially offset by full repayment of R&D financing held at 30 June 2023

Net current assets

- Current Ratio 1.4 (1.3 at 30 June 2023)
- Trade and other receivables at 31 Dec 2023 includes the estimated FY24 R&D tax incentive receivable for H1 of $2.5 million (30 June 2023 included FY23 receivable of $9.3 million)
- New borrowings were acquired in H1 FY24 of $2.5 million (Avior Capital Management and L. Foster) and $2.6 million of R&D financing from 30 June 2023 was repaid (RH Capital Group)

Non-current assets and liabilities

- PP&E increase reflects the capital investment in H1
- Other non-current liabilities includes unearned income of $1.1 million relating to the accounting treatment of instant asset write off provisions for tax, employee entitlements and hire purchase obligations

A$m	31 Dec 2023	30 June 2023	%
ASSETS			
Cash and cash equivalents	5.1	1.3	282%
Trade and other receivables	3.3	10.0	(67%)
Other	0.2	0.2	-
Total current assets	**8.6**	**11.6**	**(26%)**
Property, plant & equipment	9.6	8.1	19%
Right-of-use assets	6.2	6.2	(1%)
Other	3.3	3.3	-
Total non-current assets	**19.1**	**17.6**	**9%**
Total assets	**27.7**	**29.3**	**(5%)**
LIABILITIES			
Trade and other payables	2.4	2.9	(19%)
Borrowings	2.6	2.7	(3%)
Other	1.2	1.5	(2%)
Total current liabilities	**6.2**	**7.1**	**(13%)**
Lease liabilities	6.0	5.9	2%
Other	1.7	1.8	(1%)
Total non-current liabilities	**7.7**	**7.8**	**(1%)**
Total liabilities	**13.9**	**14.8**	**(6%)**
Net assets	**13.8**	**14.4**	**(4%)**
EQUITY			
Issued Capital	63.3	59.5	6%
Options reserve	0.3	0.2	50%
Accumulated losses	(49.8)	(45.3)	(10%)
Total equity	**13.8**	**14.4**	**(4%)**

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Cash Flow

Significant improvement in cash flows and closing balance of $5.1 million

Operating

- Includes receipt of R&D tax incentives of $8.9 million in H1 FY23 (relating to FY21 & FY22 tax years) and $9.3 million for the FY23 tax year
- Excluding R&D tax incentives, underlying operating cash outflow improved by 26% from ($7.7) million to ($5.7) million

Investing

- Significant progress was made on key infrastructure projects with an investment of $2.8m during the half year

Financing

- Includes $4.1m gross proceeds from share placement and SPP early this financial year (related costs included in other)
- Repayment of R&D financing from 30 June 2023 and proceeds from new borrowings for working capital
- Other includes the repayment of lease liabilities and share/options issue costs

A$m	H1 FY24	H1 FY23	%
Receipts from customers	3.5	2.8	25%
Payments to suppliers and employees	(8.9)	(10.4)	14%
Government R&D grant	9.3	8.9	4%
Other	(0.3)	(0.1)	(200%)
Net cash outflow (Operating activities)	**3.6**	**1.2**	**200%**
Purchase of property, plant & equipment	(2.8)	(2.5)	12%
Net cash outflow (Investing activities)	**(2.8)**	**(2.5)**	**12%**
Proceeds from issue of shares	4.1	2.4	70%
Proceeds from borrowings	2.9	4.8	40%
Repayment of borrowings	(3.2)	(5.8)	45%
Other	(0.8)	(0.8)	-
Net cash inflows (Financing activities)	**3.0**	**0.6**	**400%**
Net (decrease)/increase in cash	**3.8**	**(0.7)**	**440%**
Cash at the beginning of the financial year	1.3	1.6	(20%)
Cash at the end of the financial year	**5.1**	**0.9**	**466%**

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Q&A


SUSTAINABLE, CIRCULAR
SOLUTIONS FOR OUR
PLANET

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ENTYR
Business Overview



Entyr Limited:

Is an Australian company with unique technology that can play a significant role in solving the global waste tyre problem.

Solving the global waste tyre problem by:

Cleanly converting end-of-life tyres into valuable products (oil, carbon & steel).
Replacing the need for virgin resources.

World leading thermal process:

Using unique continuous feed thermal desorption units that apply an internationally patented blend of time, temperature and agitation (no acids or chemicals) in a low oxygen environment to break the tyre compounds down.

We believe we are a complete environmentally sustainable and circular solution.

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Investment highlights

The Company is well positioned to achieve operational scale and take advantage of expansion opportunities

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1. **Invested in excess of $40m** over 12 years developing Company owned patented thermal process
2. Stapylton facility has **processed more than 2 million tyres** on site
3. **Tightening regulations are demanding alternate solutions** and driving increased opportunities
4. **Significant infrastructure investments** – latest upgrades to Stapylton nearing completion
5. Significant interest from potential **global strategic partners** aligned with strategic plan
6. **Offtake volumes secured**, including domestic and international customers
7. **Extensive IP portfolio with patents awarded** enabling international expansion opportunities
8. The Company is well positioned to emerge as **a global leader** in thermal processing of tyres

End-of-life tyres are an unresolved large scale global issue

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Every year approximately c. **1 billion waste tyres are generated**, however, only **10%** of tyres are processed and recycled. The remainder of tyres are either **stockpiled, buried or burnt.**

Australia generates approx. **56 million waste tyres** annually with **86% being buried or exported to be burnt.**

Source: **Global Tire Recycling Market Analysis 2025 Report: Opportunity, Demand, Growth and Forecast 2017-2025**
Source: National Waste Policy Action Plan 2019, Federal Government

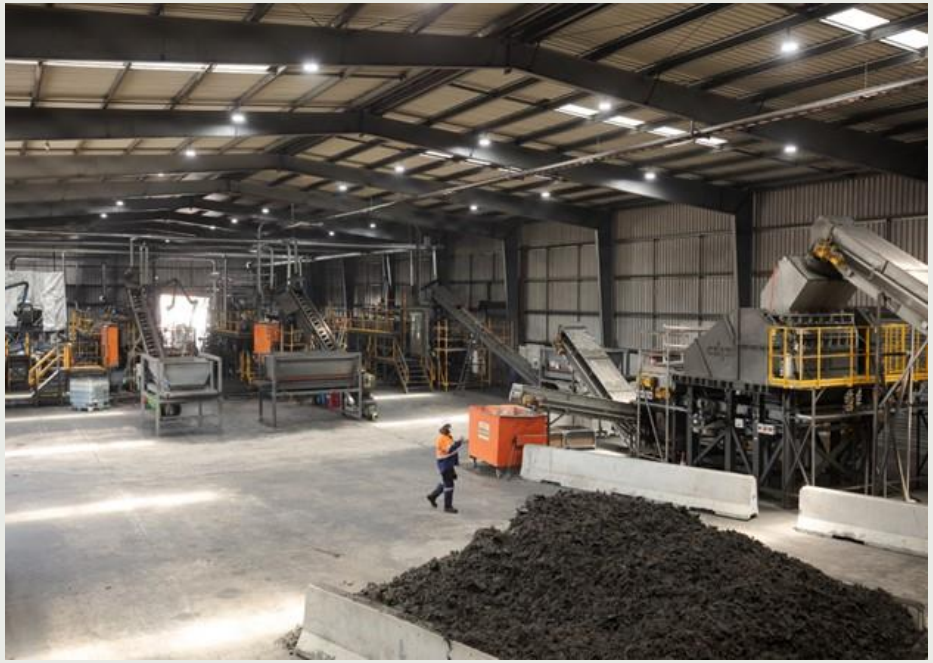
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Patented thermal desorption unit (TDU) technology

Entyr's low energy, low emission technology is the only environmental licensed technology of its type in Australia

- **Low thermal energy,** electrically powered, continuous process (not batch) that applies only heat (no acids or chemicals) in a low oxygen environment.
- **Key to the intellectual property is the variation of time, temperatures and agitation** that is applied to each piece of rubber within the reactor, that allows low and "clean" emissions.
- High quality products produced due to low temperature **baking not burning/incinerating** unlike pyrolysis processes that use high temperatures, which destroys product quality and creates environmentally unfriendly emissions.
- **Scalable infrastructure** with modular design and low capital costs.
- **Only company environmentally licensed in Australia to treat used tyres thermally**. Strong environmental practices.

Our clean processing technology is patented in Australia, the USA and with a European patent in progress

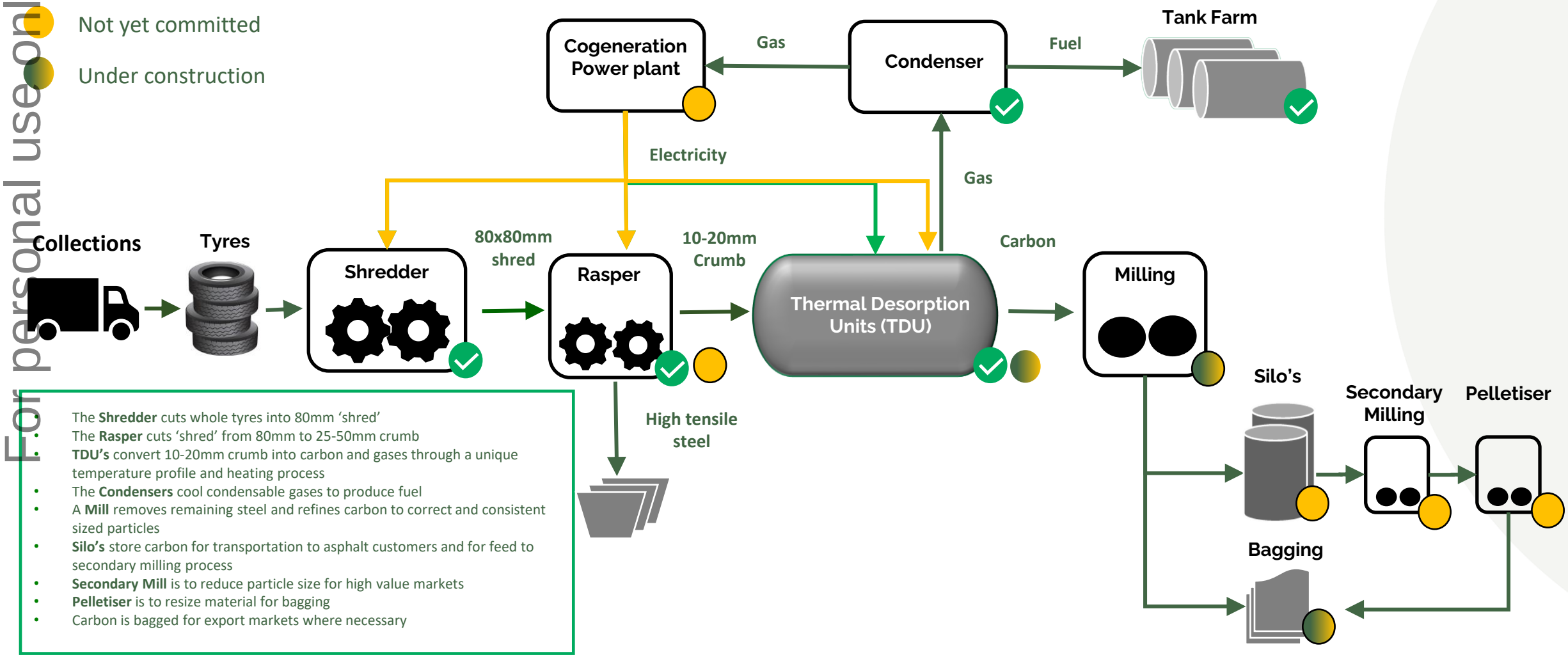


Thermal desorption units (TDUs) and Rasper

Manufacturing process

Entyr is developing a market leading end-to-end tyre recycling solution with further production capabilities to be acquired

- Purchased and installed
- Not yet committed
- Under construction



- The **Shredder** cuts whole tyres into 80mm 'shred'
- The **Rasper** cuts 'shred' from 80mm to 25-50mm crumb
- **TDU's** convert 10-20mm crumb into carbon and gases through a unique temperature profile and heating process
- The **Condensers** cool condensable gases to produce fuel
- A **Mill** removes remaining steel and refines carbon to correct and consistent sized particles
- **Silo's** store carbon for transportation to asphalt customers and for feed to secondary milling process
- **Secondary Mill** is to reduce particle size for high value markets
- **Pelletiser** is to resize material for bagging
- Carbon is bagged for export markets where necessary

For personal use only

For personal use only

Business model target markets

Entyr provides tyre collection solution and technology delivering high-value end-products to attractive markets

End-of-Life tyre collection market

Collection price
$525 per t





Market

The disposal of tyres is heavily regulated preventing retailers from self disposal creating a market for collection and disposal

There is a consumer pay-for-disposal model where a disposal fee is included in the invoice for both retail and commercially new tyres

Competitive processes to Entyr
- Process & landfill
- Process & export
- Process, crumb and sell

Output markets

Process outputs

	Revenue	Uses	End users
 rCB (30%)	$200-$1000 per t	• Binder aid in asphalt • Rubber products • Chemical manufacturing	• Asphalt companies • Tyre manufactures • Paint and ink
 TDO (40%)	$800-$1000 per t	• Virgin carbon black • Refining for hydrocarbon products • Drop in fuel • Burner fuel	• Rubber manufacturing • Solvents • Heavy fuels • Asphalt industry
 Steel (20%)	$100 per t	• High tensile steel separated from tyres in the process	• Global scrap steel market
 Gas (10%)			

Non-condensed gases are captured and will be re-used as energy reducing reliance on grid power

Domestic TDO and rCB market
- **TDO** (Tyre Derived Oil) used as a replacement for diesel in burner applications in the asphalt industry
- **rCB** (Recovered Carbon Black) used as a replacement for hydrated lime in asphalt mix design.
- **Currently 132 asphalt plants in Australia producing approximately 10m tonnes** of asphalt annually with product demand expected to exceed supply capacity

Export markets

TDO
- Manufacture of virgin carbon black
- Refinement into highly valuable solvents and blending with ship oil
- Carbon credit opportunities exist for international customers

rCB
- Tyre remanufacture as a replacement for virgin CB and industrial use (chemical manufacturing)


SUSTAINABLE, CIRCULAR
SOLUTIONS FOR OUR
PLANET