

ASX ANNOUNCEMENT

ORICA'S SUSTAINABILITY INVESTOR DAY

19 SEPTEMBER 2023

Orica accelerates climate change action and reaffirms strong FY2023 business performance

Melbourne: Orica (ASX: ORI) today announced accelerated climate change targets, including:

- an increased target to reduce net operational Scope 1 and 2 emissions by at least 45 per cent by 2030, from 2019 levels – an uplift from 40 per cent.
- a new short-term target to reduce net operational Scope 1 and 2 emissions by 30 per cent by 2026, from 2019 levels.
- a new ambition to reduce Scope 3 emissions by 25 per cent by 2035, from 2022 baseline levels.

Orica also confirmed the 2023 full-year outlook to be in line with guidance given in the first-half results and the strength of the underlying business performance is expected to continue into the 2024 financial year.

Accelerating Orica's climate change targets and introducing a Scope 3 ambition

Since 2019, Orica has invested responsibly to deliver significant reductions in net operational Scope 1 and 2 greenhouse gas (GHG) emissions. A forecast 19 per cent emissions reduction from FY2019 levels by the end of FY2023, successful low-emissions technology deployments, coupled with increased policy certainty by the Australian Government, has given the company the confidence to accelerate and expand on its climate change commitments.

The accelerated targets include net operational Scope 1 and 2 emissions under Orica's direct control, including:

- An increased target to reduce net operational Scope 1 and 2 emissions by at least 45 per cent by 2030 from 2019 levels – an uplift from Orica's previous 40 per cent commitmentⁱ; and
- A new short-term target to reduce net operational Scope 1 and 2 emissions by 30 per cent by 2026 from 2019 levels.

Orica remains committed to its existing renewable electricity targets, to source 60 per cent renewable electricity by 2030 and 100 per cent renewable electricity by 2040ⁱⁱ.

Acknowledging that Scope 3 is a material portion of the company's overall emissions profile, Orica has worked to establish confidence in its emissions baseline and broad technology pathways towards value chain decarbonisation. As a result, Orica has introduced a new ambition to reduce Scope 3 emissions by 25 per cent by 2035, from 2022 baseline levels^{iii,iv}.

Orica has also expanded the boundary of its 2050 net zero ambition, to include material Scope 3 emissions sources arising from purchased goods and services and the use of Orica's sold products - primarily bulk explosive detonation^v.

In recognising the importance of accelerating Orica's climate change action, Mr Gandhi said: *"Orica is taking action on climate change and expecting to deliver at least a 19 per cent emissions reduction by the end of FY2023. We are also accelerating our commitments and expanding the scope – building a credible pathway towards achieving our ambition of net zero emissions by latest 2050 while positioning our business for a lower carbon world."*

"We recognise the challenges of addressing emissions across our value chain and are committed to partnering with our suppliers and customers to work towards these new commitments."

Say on Climate

Orica will put forward a 'Say on Climate' resolution at this year's Annual General Meeting in December, offering the opportunity for shareholders to consider Orica's 2023 Climate Action Report.

Maintaining strong business momentum

Orica has maintained its focus on safely delivering on its strategy and finishing the second half of the financial year 2023 in line with the guidance given in the first-half results.

Reflecting on the continuing momentum in the second half of the financial year 2023, Orica Managing Director and CEO Sanjeev Gandhi said: *"The underlying business performance has remained strong. This is the testament to our people who remain committed to delivering our strategy."*

Orica expects improvements in both trade working capital and operating cash flow in the second half, resulting from reduced inventory valuation and inventory volume optimisation.

Net finance costs in the second half are anticipated to be slightly lower than the first half of the financial year 2023.

Capital expenditure for the full year is expected to be at the upper end of the \$400 million to \$420 million guidance.

Due to the complex operating environment and US sanctions imposed on Venezuela, Orica ceased operations in the country in 2019. Orica has now confirmed its intention to exit Venezuela. Orica is finalising a sale of the legal entities and expects to complete this during September 2023. The estimated loss on sale, including the non-cash impact of reclassifying historical amounts deferred in the Foreign Currency Translation Reserve (FCTR), is currently estimated to be a \$20 million expense (after tax), and will be reported as an individually significant item.

Financial year 2024 outlook

The strength of the underlying business performance is expected to continue supported by the ongoing execution of the strategy, commercial discipline, strong customer demand, and increased earnings from our blasting and digital technology offerings.

Orica has a significant number of major turnarounds scheduled in the first half of the financial year 2024, which are necessary to maintaining plant utilisation and the company's competitive advantage of supply security for customers. This includes a major turnaround at its Kooragang Island Ammonia plant which occurs every six years.

Orica continues to remain cautious of external challenges from geopolitics, inflationary pressures, and higher energy costs and is committed to continuing ongoing cost-efficiency initiatives to reduce the impact of these external factors.

Commenting on the FY2024 outlook, Mr Gandhi said: *"Our prudent balance sheet positions us well to manage the volatile external environment, supporting further business growth, climate change initiatives and seeking to deliver improved shareholder returns."*

Orica will report its 2023 full-year results on Thursday, 9 November 2023.

Orica 2023 Sustainability Investor Day Webcast

Orica 2023 Sustainability Investor Day will commence at 9:30am AEST. The briefing will be webcast and presentation materials made available at: <https://www.orica.com/Investor-Centre/sustainability-investor-day>

ANALYST CONTACT

Delphine Cassidy
Mobile: +61 419 163 467
Email: delphine.cassidy@orica.com

MEDIA CONTACT

Andrew Valler
Mobile: +61 437 829 211
Email: andrew.valler@orica.com

ABOUT ORICA

Orica (ASX: ORI) is one of the world's leading mining and infrastructure solutions providers. From the production and supply of explosives, blasting systems, mining chemicals and geotechnical monitoring to our cutting-edge digital solutions and comprehensive range of services, we sustainably mobilise the earth's resources.

Operating for nearly 150 years, today our 12,000+ global workforce supports customers across surface and underground mines, quarry, construction, and oil and gas operations.

Sustainability is integral to our operations. We have set an ambition to achieve net zero emissions by 2050 and are committed to playing our part in achieving the goals of the Paris Agreement.

For more information about Orica, visit: www.orica.com

ⁱ Applies to existing operations and covers more than 95% of Scope 1 and Scope 2 GHG emissions. Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if structural changes occur such as acquisitions or divestments.

ⁱⁱ Target boundary excludes small sites (e.g., single remote offices, depots), markets where total consumption is less than 100 MWh/pa, or countries where credible sourcing options do not exist.

ⁱⁱⁱ Coverage includes all categories of Scope 3 emissions deemed relevant for Orica under the GHG Protocol Corporate Value Chain (Scope 3) Standard (excluding categories 8, 13 and 14). Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if methodology or structural changes occur such as acquisitions or divestments.

^{iv} Achieving the net zero and Scope 3 ambition will require effective government policy frameworks, supportive regulation and financial incentives, meaningful and transparent collaboration across value chains and access to new economically viable low-carbon technologies operating at commercial scale.



Towards
NetZero
Emissions by 2050

19 SEPTEMBER 2023

**SUSTAINABLY
MOBILISING
THE EARTH'S
RESOURCES**

SUSTAINABILITY INVESTOR DAY



DISCLAIMER AND IMPORTANT NOTICES

This investor presentation (Presentation) is dated 19 September 2023 and has been prepared by Orica Limited (ABN 24 004 145 868) (Orica). This Presentation is for information purposes only and is a summary only. It should be read in conjunction with Orica's most recent financial report and Orica's other periodic and continuous disclosure information lodged with the Australian Securities Exchange (ASX), which is available at www.asx.com.au. The content of this Presentation is provided as at the date of this Presentation (unless otherwise stated). Reliance should not be placed on information or opinions contained in this Presentation and, subject only to any legal obligation to do so, Orica does not have any obligation to correct or update the content of this Presentation. Certain market and industry data used in this Presentation has been obtained from research, surveys or studies conducted by third parties, including industry or general publications. Neither Orica nor its representatives have independently verified any such market or industry data provided by third parties or industry or general publications.

This Presentation does not, and does not purport to, contain all information necessary to make an investment decision, is not intended as investment or financial advice (nor tax, accounting or legal advice), and must not be relied upon as such. Any decision to buy or sell securities or other products should be made only after seeking appropriate financial advice. This Presentation is of a general nature and does not take into consideration the investment objectives, financial situation or particular needs of any particular investor. Any investment decision should be made solely on the basis of your own enquiries. Before making an investment in Orica, you should consider whether such an investment is appropriate to your particular investment objectives, financial situation or needs. Orica does not guarantee any particular rate of return or the performance of Orica, nor does it guarantee any particular tax treatment.

Details of Orica's past performance is given for illustrative purposes only and should not be relied upon as (and is not) an indication of Orica's views on its future performance. Nothing contained in this Presentation, nor any information made available to you is, or shall be relied upon as, a promise, representation, warranty or guarantee, whether as to the past, present or future. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this Presentation. To the maximum extent permitted by law, none of Orica or its related bodies corporate, and their respective directors, employees or agents, nor any other person, accepts any liability, including, without limitation, any liability arising out of fault or negligence, for any loss arising from the use of the information contained in this Presentation. In particular, no representation or warranty, express or implied, is given as to the accuracy, completeness or correctness, likelihood of achievement or reasonableness of any forecasts, prospects or returns contained in this Presentation. Such forecasts, prospects or returns are by their nature subject to significant uncertainties and contingencies.

AGENDA

0930	0935	Welcome and acknowledgement of country	Delphine Cassidy	Chief Communications Officer	
0935	0945	Safety, health and environment update	Leah Barlow	President - SHES, Discrete Manufacturing and Supply	5
0945	1000	Business update	Sanjeev Gandhi	Managing Director and Chief Executive Officer	8
1000	1010	Positioning Orica for the future	Sanjeev Gandhi	Managing Director and Chief Executive Officer	14
Decarbonising Orica					
1010	1030	Orica's climate change approach	Andrew Stewart	Chief Development and Sustainability Officer	20
1030	1040	Solutions - Scope 1 & 2	Bertus de Villiers	Vice President – Continuous Manufacturing	28
1040	1050	Carbon markets and offsets	Troy Powell	Head of Sustainability	31
1050	1120	Q&A session	All		
1120	1135	Break			
Creating Commercial Advantage					
1135	1145	Renewable hydrogen	Andrew Stewart	Chief Development and Sustainability Officer	37
1145	1155	ESG oriented corporate investment	Andrew Stewart	Chief Development and Sustainability Officer	41
1155	1215	Orica's sustainable solutions	Angus Melbourne	Chief Technology Officer	44
1215	1220	Governance and Engagement	John Beevers	Non-Executive Director and Chair of the Safety & Sustainability Committee	49
1220	1250	Q&A session	All		
1250	1300	Closing remarks	Sanjeev Gandhi	Managing Director and Chief Executive Officer	52

SUSTAINABILITY INVESTOR DAY

PRESENTERS



SANJEEV GANDHI
Managing Director
and Chief Executive Officer



DELPHINE CASSIDY
Chief Communications
Officer



LEAH BARLOW
President - SHES, Discrete
Manufacturing and Supply



ANDREW STEWART
Chief Development
and Sustainability Officer



ANGUS MELBOURNE
Chief Technology Officer



BERTUS DEVILLIERS
Vice President - Continuous
Manufacturing



TROY POWELL
Head of Sustainability

SAFETY, HEALTH AND ENVIRONMENT UPDATE

LEAH BARLOW
PRESIDENT – SHES, DISCRETE
MANUFACTURING AND SUPPLY



Towards
NetZero
Emissions by 2050



SAFETY UPDATE

SAFETY IS ORICA'S TOP PRIORITY

Keeping our people safe remains our primary goal

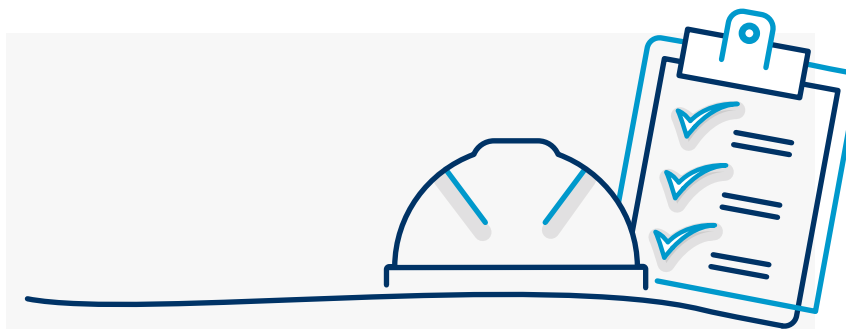
- Safety targets on track

Detailed reviews after two fatalities in prior years

- Review of key controls in the Major Hazard Management (MHM) program
- Applying learnings from incident reviews

Strengthening and expanding our safety program and culture

- Embedding MHM in everyday work through Safety Leadership Program
- Further developing our safety culture, empowering people to speak up and stop work if there is concern
 - Raising awareness of Orica's Whistleblower Policy
- Progressing with a Psychologically Healthy Workplace strategy



Serious Injury Case Rate¹



1. Injuries per 200,000 hours worked

PROTECTING NATURAL RESOURCES

COMMITMENT TO STRONG ENVIRONMENTAL STEWARDSHIP ACROSS OUR OPERATIONS

Focus on prevention

- Preventing loss of product to avoid adverse environmental impacts
- Global environmental standards across our operations

Manage our environmental risks

- Strong monitoring and governance through the Material Environmental Issues Review (MEIR) program
 - Proactive oversight of Orica's material environmental risks
 - On-site specialist assessment of environmental performance and impact management
 - Report annually to the Safety and Sustainability Committee

Optimising resource use

- Working to improve the water efficiency of our manufacturing processes and to reduce waste

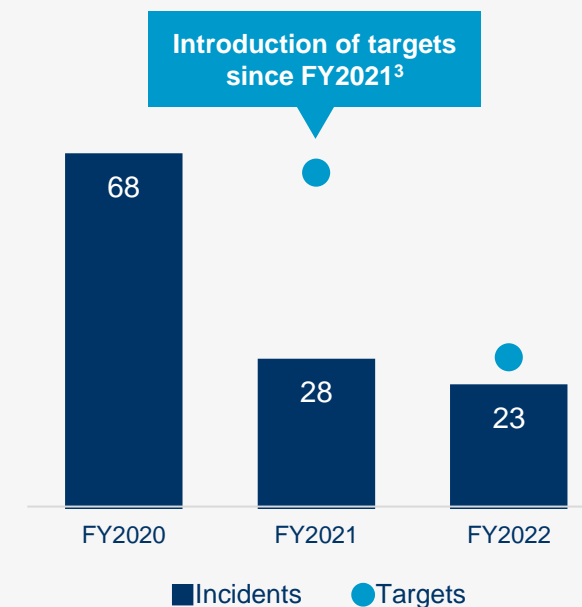
1. Severity 3 environmental events are defined as resulting in relatively widespread serious environmental damage, with some impairment of ecosystem function that will recover after remediation
2. The total number of uncontrolled releases of material from a primary containment that results in a Severity 1 or greater environmental impact on water or soil
3. Loss of containment was introduced to be part of the STI metrics from FY2021

0

environmental incidents
(severity $\geq 3^1$) since FY2018



Loss of containment² declining over time



BUSINESS UPDATE

SANJEEV GANDHI
MANAGING DIRECTOR AND
CHIEF EXECUTIVE OFFICER



Towards
NetZero
Emissions by 2050



STRATEGY

SUCCESSFULLY EXECUTING OUR STRATEGY

OUR PURPOSE

Sustainably mobilise
the earth's resources

OUR VISION

To be the world's leading
mining and infrastructure
solutions company

OUR STRATEGY

Deliver solutions and technology
that drive productivity for our
customers across the globe

HOW WE WILL WIN



Smarter
solutions

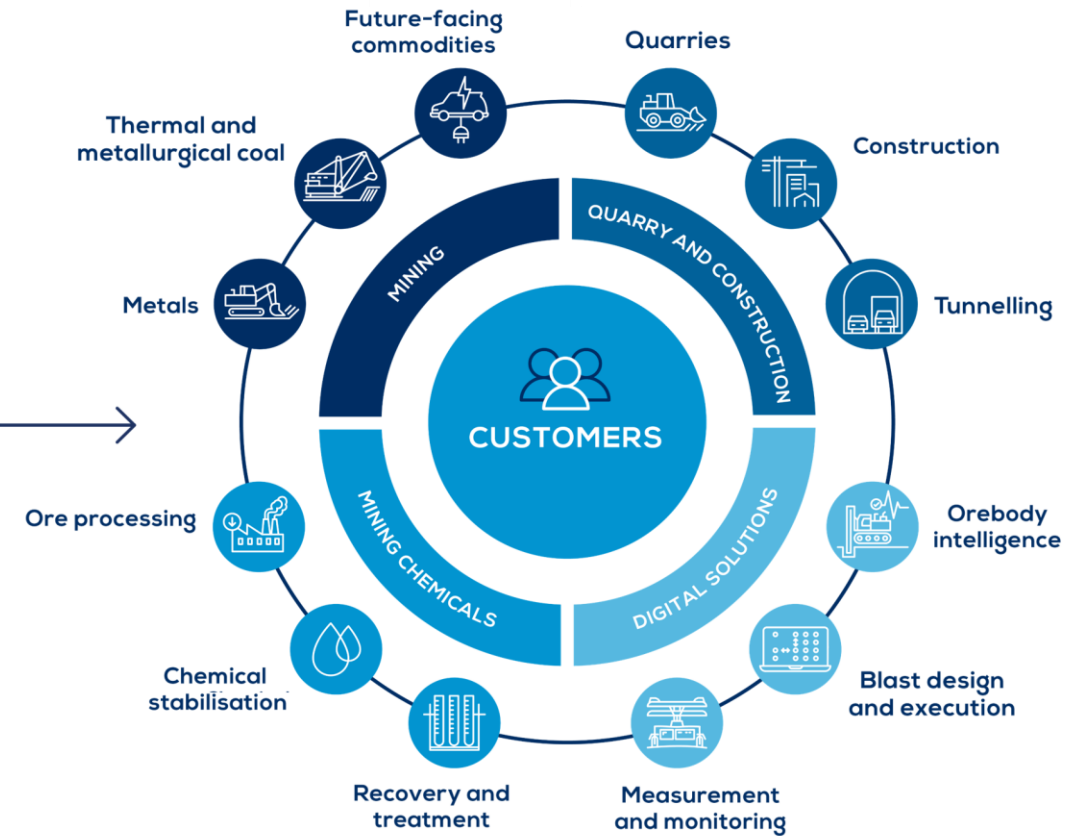


Optimised
operations



Partnering
for progress

WHERE WE WILL WIN



BUSINESS UPDATE

STRONG PERFORMANCE CONTINUES IN SECOND HALF

FY2023 outlook

- 2023 full-year results are expected to be in line with guidance given at the first half results in May 2023; the strength of Orica's performance is expected to continue for the full year FY2023
- Trade working capital and operating cashflow improvements expected in the second half resulting from reduced inventory valuation and optimisation of volume
- Net finance costs in the second half are anticipated to be slightly lower than for the first half of FY2023
- Capital expenditure expected to be at the upper end of \$400 million to \$420 million guidance
- Confirmed intention to exit Venezuela; sale expected to be completed in September, with the estimated loss on sale including the FCTR impact of \$20m (after tax) to be recognised as a significant item

FY2024 outlook

- The strength of the underlying business performance is expected to continue in FY2024
- Significant major turnarounds scheduled in the first half (see next slide)
- Orica continues to remain cautious of external challenges from geopolitics, inflationary pressures, and higher energy costs. The business will continue ongoing cost-efficiency initiatives to reduce the impact from these external factors

BUSINESS UPDATE

CONTINUOUS MANUFACTURING PLANT TURNAROUNDS

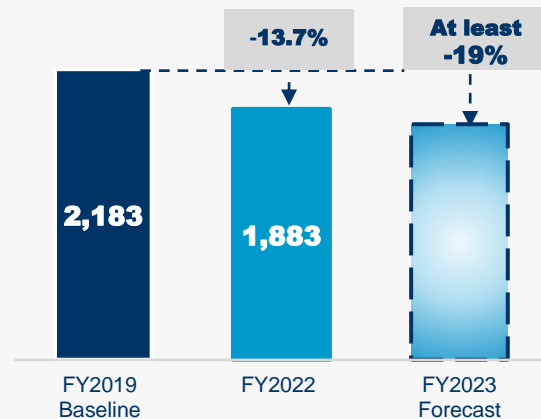
	FY2023 Expected to be completed on time and within budget		FY2024 Scheduled turnarounds	
	1H23	2H23	1H24	2H24
Kooragang Island (NSW)				
Turnaround including tertiary abatement installation	NAP1/ AN1			
Tertiary abatement installation		NAP 2 NAP 3		
Ammonia plant six-yearly major turnaround			Event 1 Event 2	
Prill tower abatement installation			Event 1 Event 2 Event 3	
Yarwun (QLD)				
Cyanide plant annual shutdown		CN		CN
NAP3/AN2 major turnaround			NAP3/ AN2	
NAP1 tertiary abatement installation				NAP 1
Burrup (WA)				
TAN plant turnaround		NAP/AN		
Bontang (Indonesia)				
TAN and secondary abatement	NAP/AN			
Carseland (Canada)				
Turnaround				NAP1/2 & AN

STRENGTHENING ORICA'S CLIMATE CHANGE COMMITMENTS

ORICA'S ACCELERATED CLIMATE CHANGE TARGETS AND AMBITION

DELIVERING ON OUR CLIMATE CHANGE COMMITMENTS

Net GHG emissions reduction
(Scope 1 and 2, ktCO₂-e)



- Good progress in reducing net operational GHG emissions
- On track to achieve existing targets
- Confidence to strengthen our commitments

ORICA'S ACCELERATED CLIMATE CHANGE TARGETS AND AMBITION

Operational net
Scope 1 and 2
emissions
targets



Renewable
electricity



Scope 3
ambition



New

30%
reduction
by FY2026
from FY2019
levels¹

Updated

At least
45%
reduction
by FY2030
from FY2019
levels¹

Previous target

At least **40%**
reduction by
FY2030

Existing

60%
Renewable
electricity by 2030²

100%
renewable
electricity by 2040²

New

25%
reduction
by FY2035
from FY2022
levels^{3,5}

**AMBITION TO
ACHIEVE NET
ZERO
EMISSIONS^{4,5}
BY**

2050

1. Applies to existing operations and covers more than 95% of Scope 1 and Scope 2 GHG emissions. Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if structural changes occur such as acquisitions or divestments. 2. Target boundary excludes small sites (e.g., single remote offices, depots), markets where total consumption is less than 100 MWh/pa, or countries where credible sourcing options do not exist. 3. Coverage includes all categories of Scope 3 emissions deemed relevant for Orica under the GHG Protocol Corporate Value Chain (Scope 3) Standard (excluding categories 8, 13 and 14). Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if methodology or structural changes occur such as acquisitions or divestments. 4. Our net zero emissions ambition covers our global Scope 1 and 2 emissions under our direct control, and material Scope 3 emission sources. Material means the GHG emissions arising from the Scope 3 reporting categories of purchased goods and services (category 1) and use of sold product (category 11). 5. Achieving the net zero emissions and Scope 3 ambition will require effective government policy frameworks, supportive regulation and financial incentives, meaningful and transparent collaboration across value chains and access to new economically viable low-carbon technologies operating at commercial scale.

OUR INVESTMENT PROPOSITION

DELIVERING VALUE TO OUR SHAREHOLDERS



Safety is, and will remain our number one priority



We are the **global leader** in mining and civil construction markets



We have reshaped our strategy and we are focused on **execution**



We will continue to invest in **technology**



We offer sustainable solutions that deliver **profitable growth** for our customers and Orica

OUR PROMISE



Operating responsibly together with our people, partners, customers



Deliver profitable growth



Maximise shareholder returns

POSITIONING ORICA FOR THE FUTURE

SANJEEV GANDHI
MANAGING DIRECTOR AND
CHIEF EXECUTIVE OFFICER



Towards
NetZero
Emissions by 2050

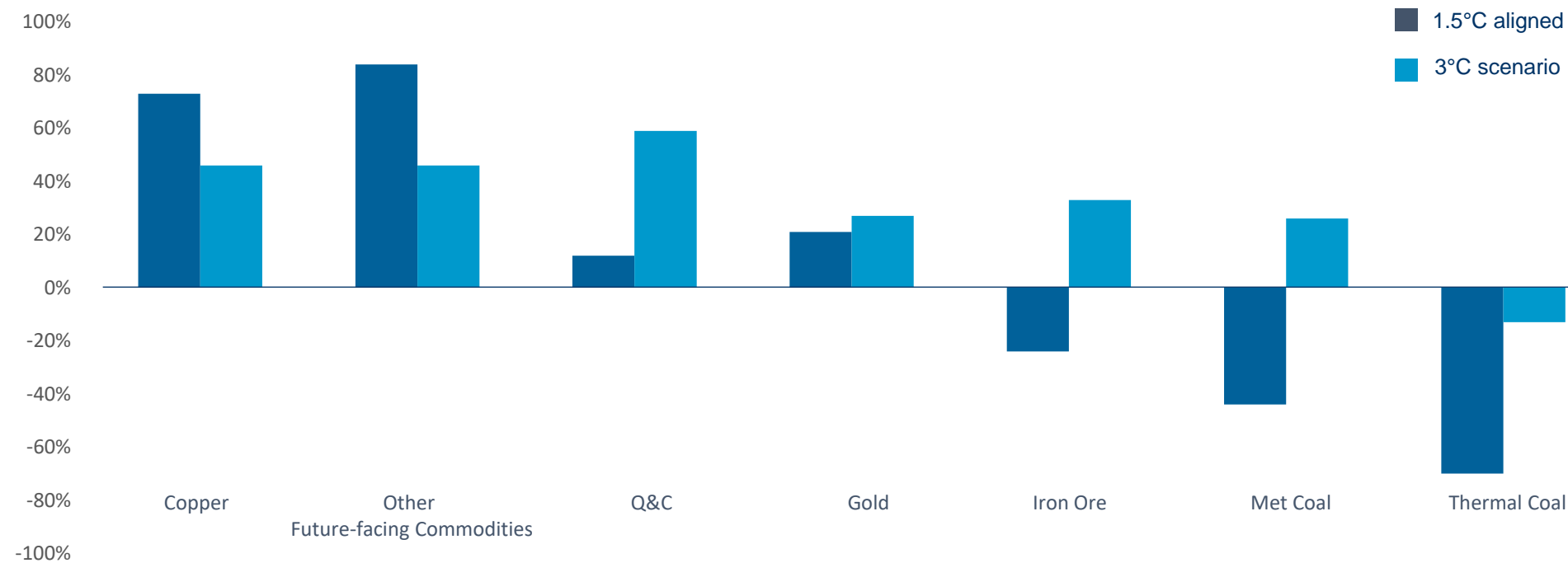


Pine Bluff Quarry, Kentucky

THE FUTURE OF MINING

MINING IS AT THE CORE OF THE ENERGY TRANSITION

Estimated absolute change in commodity demand in 2040 vs 2020



Source: Orica’s climate scenario analysis (2022). See 2022 Orica Climate Action Report for full disclosure.
1.5°C aligned scenario informed by IEA WEO 2020 SDS, Wood Mackenzie AET-2 and IPCC RCP2.6
3°C aligned scenario informed by IEA WEO 2019 STEPS, Wood Mackenzie ETO and AET, and IPCC RCP6.0

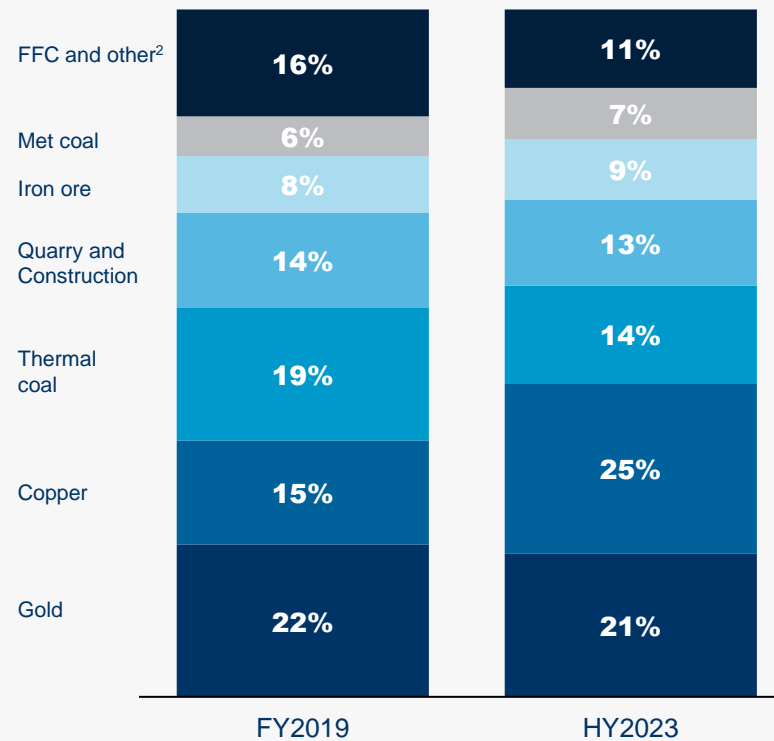
ORICA'S ROLE IN A DECARBONISED FUTURE

REPOSITIONING FOR THE FUTURE

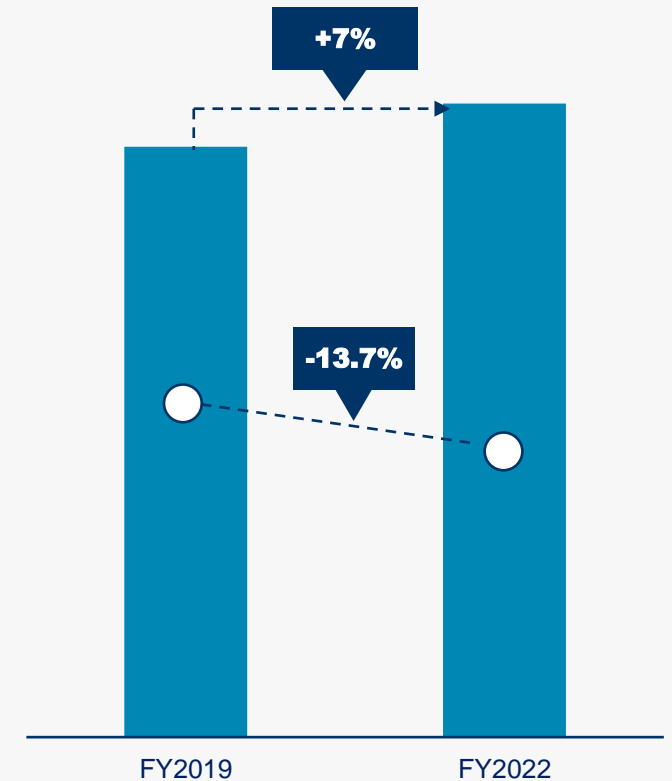
Increasing business resilience while continuing to grow and progressing with climate change commitments

- Diversifying our commodity exposure and customer base
- Growing presence in future-facing commodities
- Reducing exposure to thermal coal
- Leveraging our competitive advantages
 - Strengthen and streamline our global manufacturing and supply network
 - Continuing to grow our technology solutions in both blasting and digital

Revenue by commodity¹



AN tonnes ('000) and operational net GHG emissions (ktCO₂-e)



○ Operational net GHG emissions (Scope 1 and 2)

■ AN Tonnes

¹ Based on external sales, excluding Minova

² Proportion of FFC and other has declined due to the significant growth in copper

SUPPORTING THE GROWTH OF LITHIUM IN AUSTRALIA

ORICA SERVICING MORE THAN 50% OF THE AUSTRALIAN HARD ROCK LITHIUM INDUSTRY

Global lithium demand to increase

~150%

by 2030

Australia accounts for

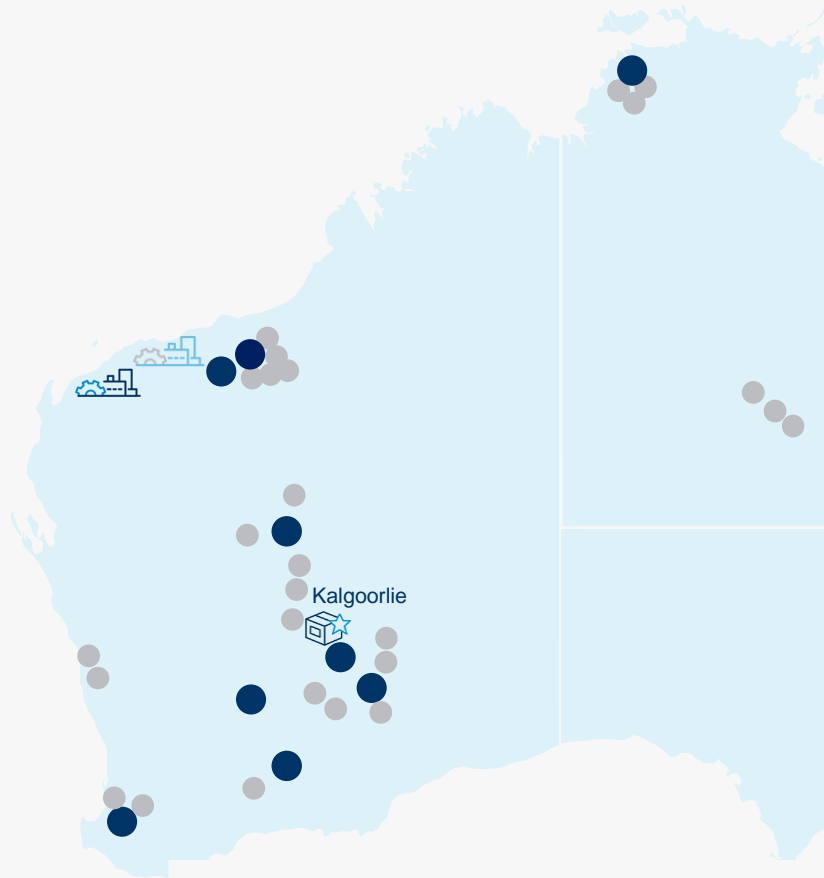
~45%

of global lithium supply

~60%

of global hard rock lithium reserves

Sources: Wood Mackenzie, USGS, IEA, Orica analysis



- Lithium mines in operation
- Exploration only - prefeasibility
- Continuous AN Plant
- Ammonium Nitrate Emulsion Plant
- Discrete Manufacturing for Initiating Systems and Packaged Explosives

Orica's mine to mill technology and digital solutions well matched to key technical challenges in hard rock lithium mining

Understanding orebody to optimise operation



Orebody intelligence such as AXIS™ gyro technology, DRILLMax™ geophysics solution to survey hard rock lithium drill holes to help accurately model mineral resources

High powder factor requirements



High energy Extra emulsion blends well suited to spodumene geology

Optimised fragmentation outcomes to reduce mechanical processing



Blasting technology and Digital solutions such as EBS, BlastIQ™, FRAGTrack™ support blast quality to achieve the best possible fragmentation outcome

Maximise ore recovery



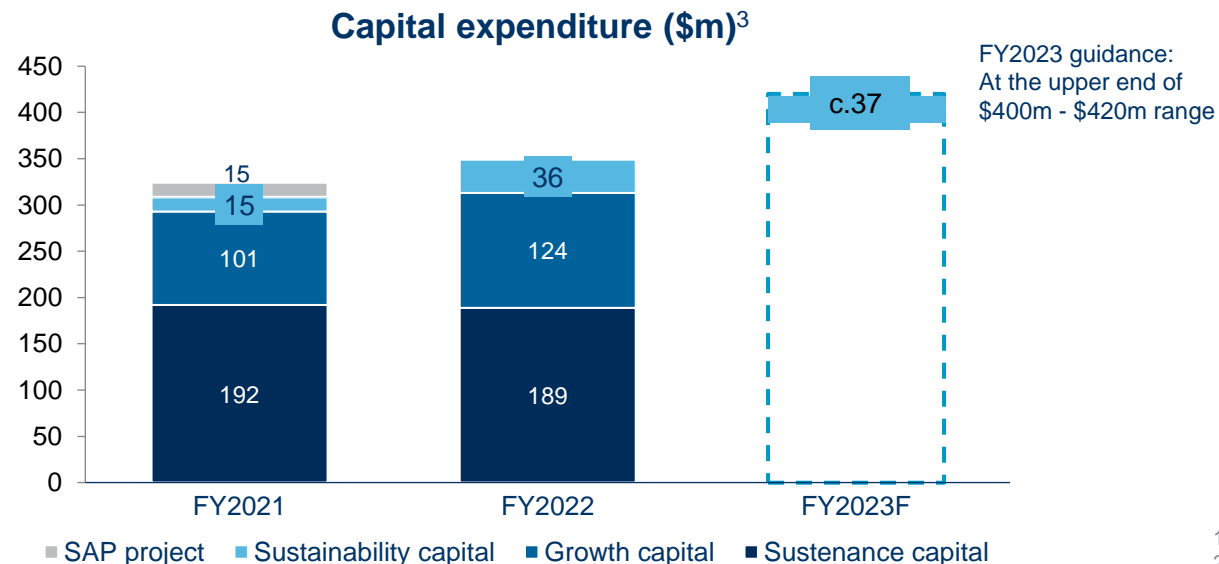
Digital technologies such as OREPro™ 3D offer precise modelling of post-blast ore movement, enabling more efficient mining operations with reduced ore loss

CAPITAL MANAGEMENT

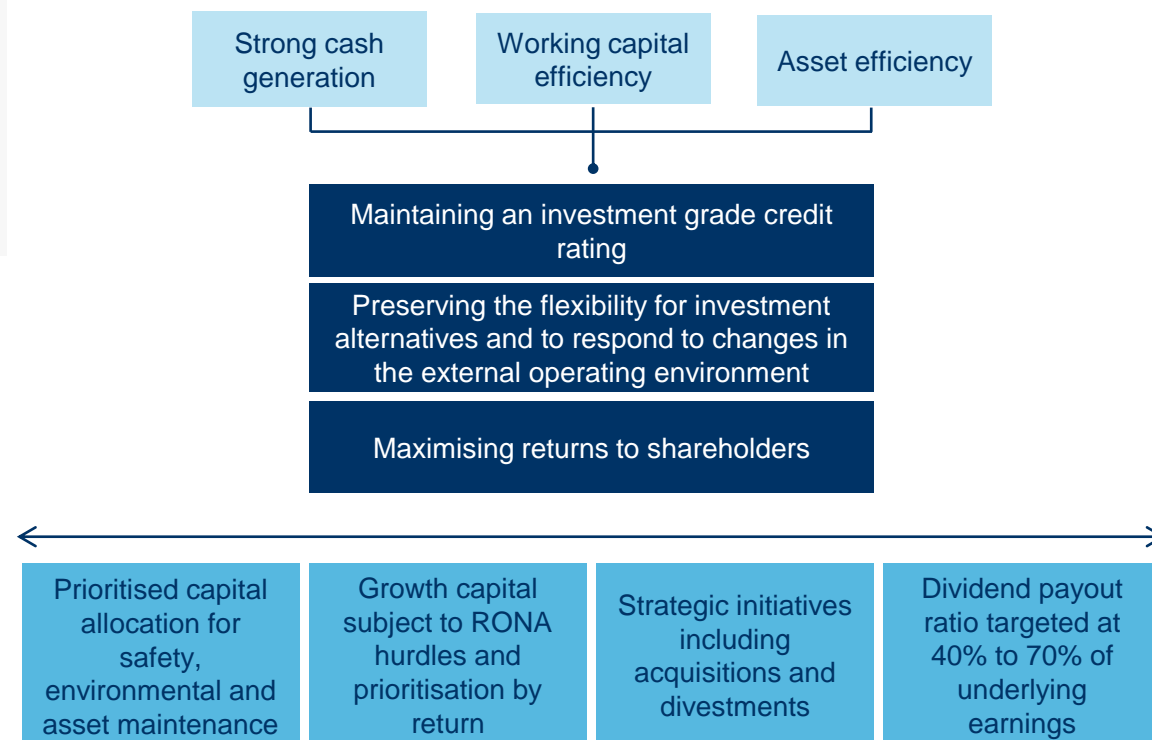
OUR STRATEGY IS UNDERPINNED BY A DISCIPLINED APPROACH TO CAPITAL ALLOCATION

Investments in sustainability projects

- Compete for capital under our capital allocation framework
- Aligned with our decarbonisation commitments and opportunities to grow commercial advantage
- Collaboration with governments through co-funding where available
- c. \$88m sustainability capital allocated¹, including \$52.5m for tertiary abatement projects¹



Orica's capital allocation framework



1. From FY2021 to FY2023F
2. Covering tertiary abatement projects at Carseland, Kooragang Island and Yarwun from 2021 to September 2023
3. Excludes capitalised interest

GOVERNMENT SUPPORT NEEDED FOR INDUSTRY TRANSITION

POLICY STABILITY

- Enabling businesses to have confidence to invest



SUPPORTING INDUSTRY DURING TRANSITION

- **Sustainable gas pricing** will be a critical 'bridge' during transition
- **Acceleration of renewable energy** rollout
- A **Carbon Border Adjustment Mechanism (CBAM)** to protect local industry from carbon leakage and 'grey' imports
- Grants assisting transition, especially for credible 'first movers'



FACILITATING NEW MARKETS AND SECTORS

- Assisting with demand growth and markets for renewable hydrogen and ammonia beyond Australia
- Supporting battery materials industry
- Advancing low carbon energy and manufacturing precincts

ORICA WILL CONTINUE TO ENGAGE AND COLLABORATE WITH GOVERNMENTS

- Positive engagement and collaboration with Federal and state governments in Australia, and Alberta government in Canada
- Participation in policy consultations, such as gas, hydrogen and CBAM
- Responsible advocacy towards globally effective climate policy

ORICA'S CLIMATE CHANGE APPROACH

ANDREW STEWART
CHIEF DEVELOPMENT AND
SUSTAINABILITY OFFICER



Towards
NetZero
Emissions by 2050



2023 SUSTAINABILITY INVESTOR DAY

20

ORICA'S APPROACH TO SUSTAINABILITY

SUSTAINABILITY IS THE KEY COMPONENT OF OUR STRATEGY

OUR PURPOSE

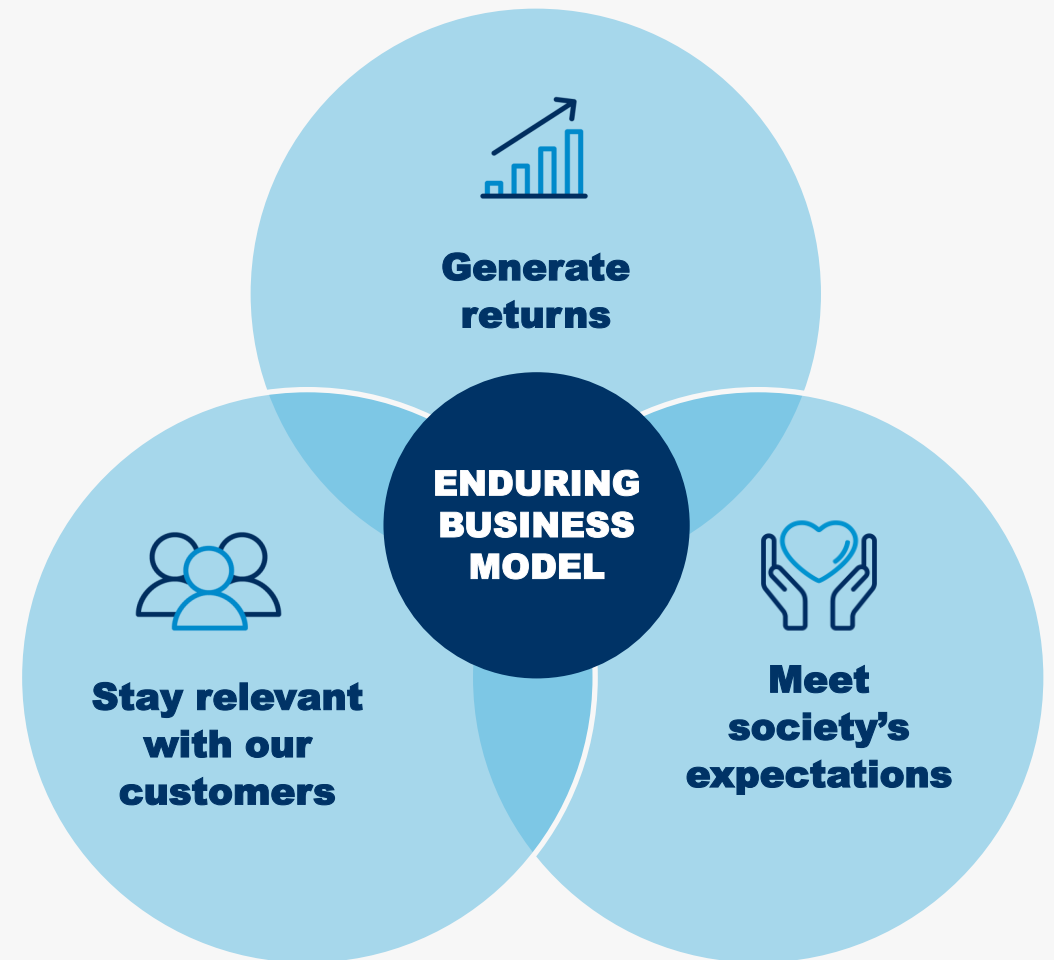
Sustainably mobilise
the earth's resources

OUR VISION

To be the world's leading
mining and infrastructure
solutions company

OUR STRATEGY

Deliver solutions and technology
that drive productivity for our
customers across the globe



ORICA'S CLIMATE CHANGE JOURNEY

Pre-FY2020

FY2020

FY2021

FY2022

FY2023+

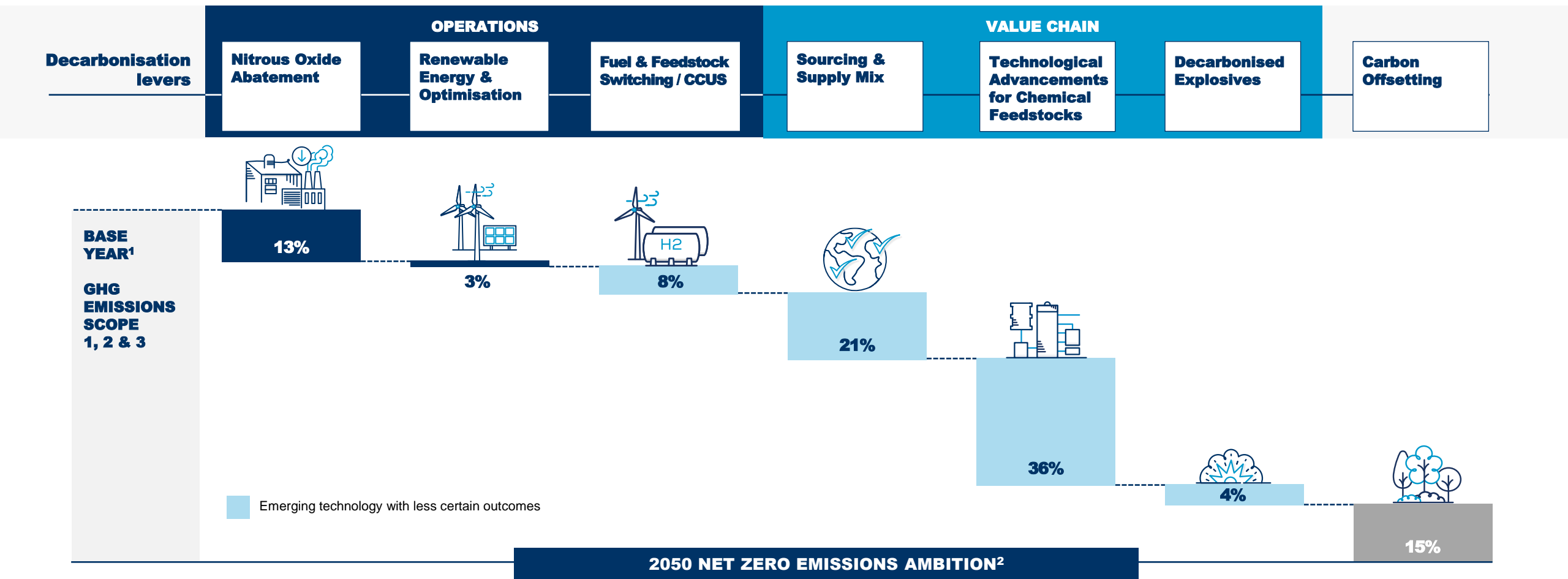
DECARBONISING ORICA

- Established climate change policy
- Set net zero ambition by 2050 and interim targets
- Adopted TCFD recommendations
- Published inaugural Climate Action Report
- Installed tertiary catalyst abatement at Carseland and Kooragang Island
- Announced FID to install tertiary catalyst abatement at Yarwun in 2024
- Signed 10-year renewable Power Purchase Agreement with Lightsource bp for NSW, Australia operations
- 'Say on Climate' resolution at 2023 AGM

CREATING COMMERCIAL ADVANTAGE

- Invested in Mineral Carbonation International and Alpha HPA
- Renewable hydrogen and low carbon ammonia partnerships with Origin Energy and H2U Group
- Developing product portfolio with direct and indirect ESG benefits to customers
- Maximising position in carbon markets

OUR DECARBONISATION PATHWAY



1. Base year emissions: Scope 1 and 2 emissions is FY2019; Scope 3 is FY2022. 2. Our net zero emissions ambition covers our global Scope 1 and 2 emissions under our direct control, and material Scope 3 emission sources. Material means the GHG emissions arising from the Scope 3 reporting categories of purchased goods and services (category 1) and use of sold products (category 11). Achieving the net zero emissions ambition will require effective government policy frameworks, supportive regulation and financial incentives, meaningful and transparent collaboration across value chains and access to new economically viable low-carbon technologies operating at commercial scale.

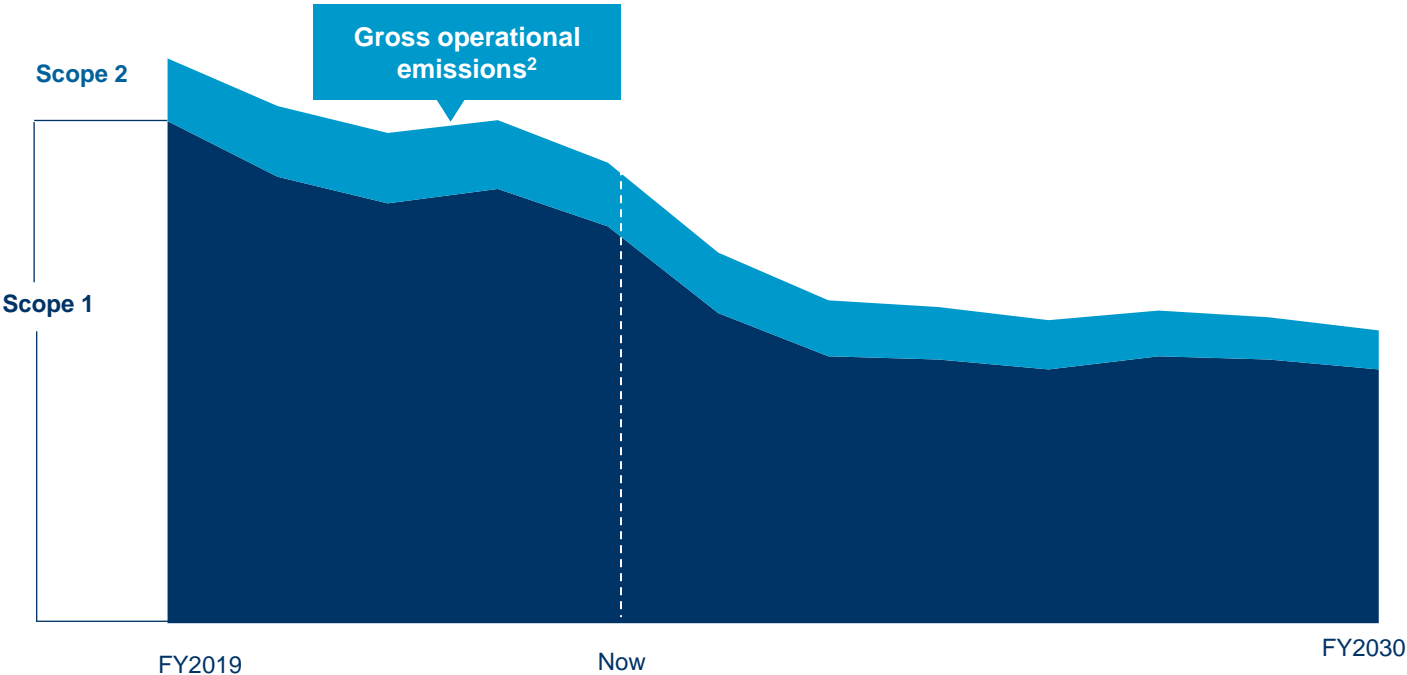
DEMONSTRATING PROGRESS TOWARDS NET ZERO AMBITION

Decarbonisation levers	OPERATIONS			VALUE CHAIN			Carbon Offsetting
	Nitrous Oxide Abatement	Renewable Energy & Optimisation	Fuel & Feedstock Switching / CCUS	Sourcing & Supply Mix	Technological Advancements for Chemical Feedstocks	Decarbonised Explosives	
Key Projects <ul style="list-style-type: none"> Completed Implementation Feasibility Emerging technology 	Secondary abatement <ul style="list-style-type: none"> Bontang Carseland Yarwun Tertiary abatement <ul style="list-style-type: none"> Carseland Kooragang Island Yarwun 	Offsite generation (e.g. PPAs) <ul style="list-style-type: none"> NSW Australia QLD Australia Canada Onsite generation <ul style="list-style-type: none"> Gomia, India (solar expansion) GroundProbe, QLD Australia Monclova, Mexico 	<ul style="list-style-type: none"> Hunter Valley Hydrogen Hub, NSW Australia MCi demonstration plant, NSW Australia Specialised mobile fleet electrification 	<ul style="list-style-type: none"> H2-Hub™ Gladstone, QLD Australia Supplier engagement program (global) Sourcing strategies/supply mix (global) 	<ul style="list-style-type: none"> Supplier and vendor engagement Research & innovation Techno-economic studies covering electrolytic hydrogen, bio feedstocks, high-temperature heat/steam 	<ul style="list-style-type: none"> Product design and rollout of more efficient blasting (e.g., 4D) Substitution with renewable fuels 	<ul style="list-style-type: none"> Voluntary carbon development projects Carbon market & offset strategy

ORICA'S CLIMATE CHANGE APPROACH

SIGNIFICANT PROGRESS IN REDUCING OPERATIONAL EMISSIONS (SCOPE 1 AND 2)

Orica's gross operational decarbonisation trajectory



Accelerated target to reduce net operational emissions by

At least

45%

by 2030¹
from 2019 levels



- Decarbonisation will be non-linear
- Deployment of abatement technology is key to significant reduction

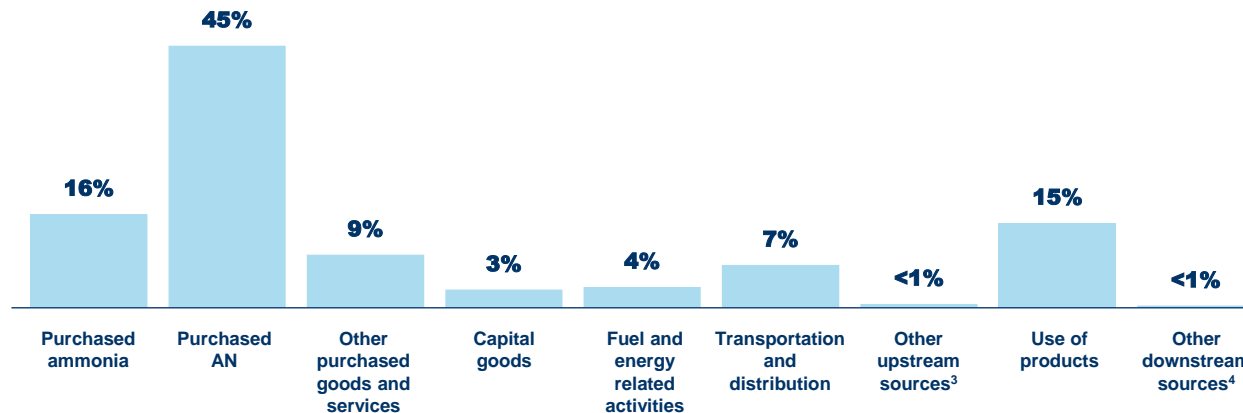
1 Applies to existing operations and covers more than 95% of Scope 1 and Scope 2 GHG emissions. Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if structural changes occur such as acquisitions or divestments.
2 Presented on a gross Scope 1 and 2 operational emission basis, not accounting for surrender/sale of Orica originated carbon credits

ORICA'S VALUE CHAIN EMISSIONS (SCOPE 3) TAKING A FURTHER STEP TO TACKLE CLIMATE CHANGE

Orica's global GHG emissions by source



Sources of Scope 3 emissions



1. Coverage includes all reported Scope 3 emissions across the twelve of the fifteen Scope 3 reporting categories deemed relevant to Orica. Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if methodology or structural changes occur such as acquisitions or divestments. 2. Achieving the Scope 3 ambition will require effective government policy frameworks, supportive regulation and financial incentives, meaningful and transparent collaboration across value chains and access to new economically viable low-carbon technologies operating at commercial scale. 3. Other relevant upstream Scope 3 categories including waste generated in operations, business travel, and employee commuting. 4. Other relevant downstream Scope 3 categories including processing of sold products, end-of-life treatment of sold products, and investments.

Ambition to achieve

25%

reduction in Scope 3 emissions by 2035
from 2022 baseline^{1,2}

- Challenges exist in addressing Scope 3 emissions
- Success will require transparency and collaboration across our value chain and other stakeholder groups

Key levers



Supplier
engagement



Customer
partnerships



Product design
and development



Sourcing strategies
enabling access to low
carbon feedstocks



Support commercialisation
of decarbonisation
technologies at scale

TRANSPARENCY, ACCOUNTABILITY AND RECOGNITION

COMMITMENT TO TRANSPARENCY AND ACCOUNTABILITY



ESG data centre hosting performance data and public disclosures




Converted

\$1.3b

of existing bank debt facilities to sustainability-linked loans




EXTERNAL RECOGNITION



'AAA' RATING

Performance in top 4% of chemical industry¹



ALIGNED

Climate-related financial disclosures



'A-' LEADERSHIP

Implementing current best practices



ENGAGED

Proactive and regular engagement

¹ As of September 2023

DECARBONISING ORICA

SOLUTIONS – SCOPE 1 & 2

BERTUS DE VILLIERS
VICE PRESIDENT – CONTINUOUS
MANUFACTURING



Kooragang Island,
Australia

DEMONSTRABLE PROGRESS TOWARDS REDUCING OPERATIONAL EMISSIONS

DECARBONISING OUR CONTINUOUS MANUFACTURING PLANTS



Burrup facility is not included since it is managed and operated by Yara Australia Pty Ltd, the partner of Orica in the JV company that owns this facility

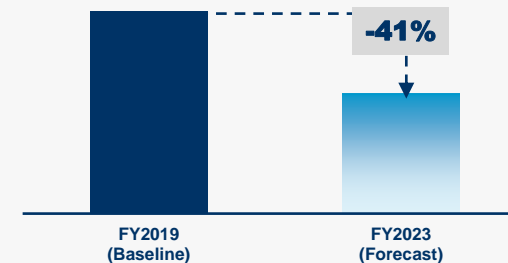


1

CARSELAND

- Tertiary catalyst installed NAP1 November 2021
- Secondary catalyst in operation on NAP2

Scope 1 and 2 emissions (ktCO₂-e)

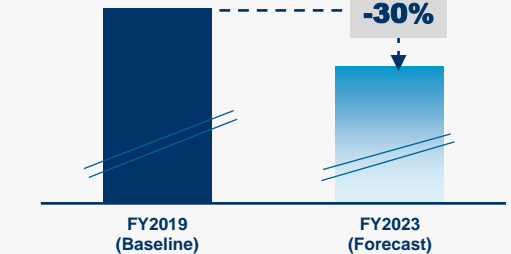


2

KOORAGANG ISLAND

- Tertiary catalyst installed on NAP1-3 in July 2023
- Hunter Valley Hydrogen Hub with Origin Energy
- 100% renewable electricity supply from 2025 through PPA with Lightsource bp

Scope 1 and 2 emissions (ktCO₂-e)

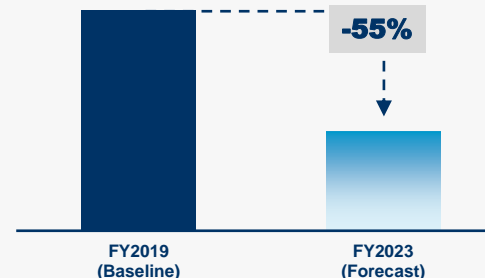


3

BONTANG

- Secondary catalyst optimised on NAP1

Scope 1 and 2 emissions (ktCO₂-e)

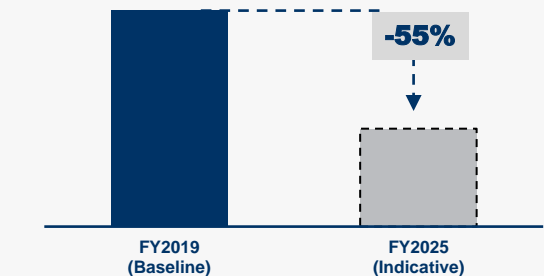


4

YARWUN

- Secondary catalyst installed on NAP3
- Tertiary catalyst on NAP1 and NAP2 scheduled in 2024
- MoU with H2U – Hydrogen Utility

Scope 1 and 2 emissions (ktCO₂-e) - indicative



PROGRESS IN REDUCING SCOPE 2 EMISSIONS

RENEWABLE ELECTRICITY ACROSS OUR OPERATIONS

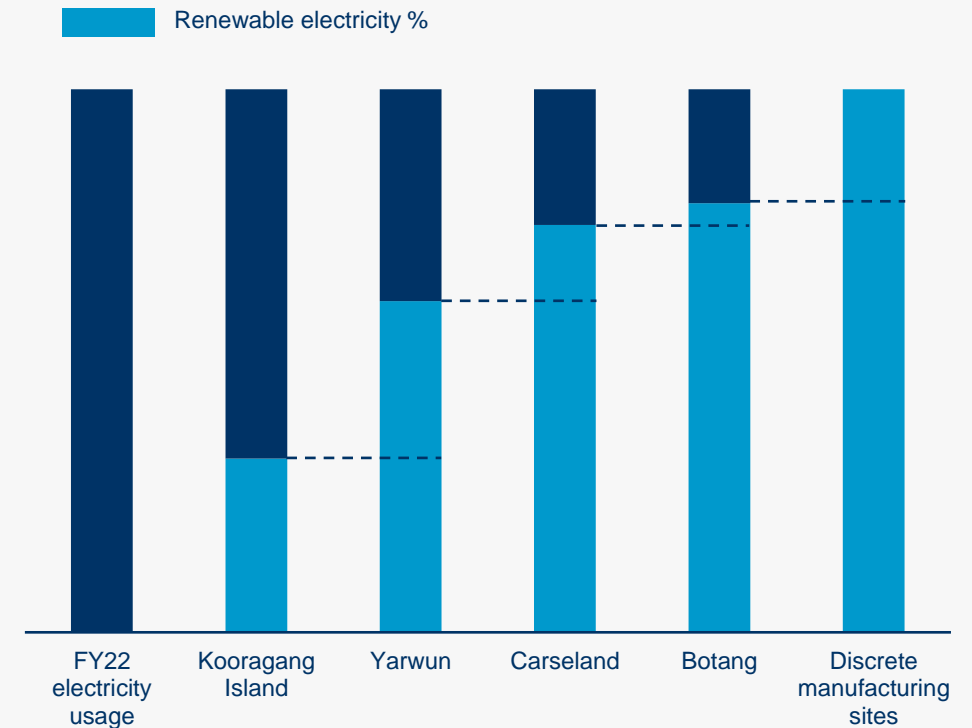
Offsite generation underway

- 100% renewable electricity at Kooragang Island
 - 10-year PPA for renewable electricity generated by the Wellington North solar farm in NSW, Australia
 - Wellington North solar farm expected to be fully operational in 2025
 - Expected to reduce Orica's Scope 2 emission by over 60,000 tCO₂-e per annum
- Market procurement in progress for QLD and Alberta, Canada

Onsite generation

- 500kW system installed in Gomia, India since 2015
- Two systems (34kW and 78kW) installed in GroundProbe head office and production facility in Queensland since 2021
- 32kW system installed in Monclova office (Mexico) in 2023
- Exploring opportunities in other operations

Roadmap to 100% renewable electricity



Orica Monclova office, Mexico



GroundProbe head office, Brisbane, Australia



DECARBONISING ORICA

CARBON MARKET AND OFFSETS

TROY POWELL
HEAD OF SUSTAINABILITY



Towards
NetZero
Emissions by 2050



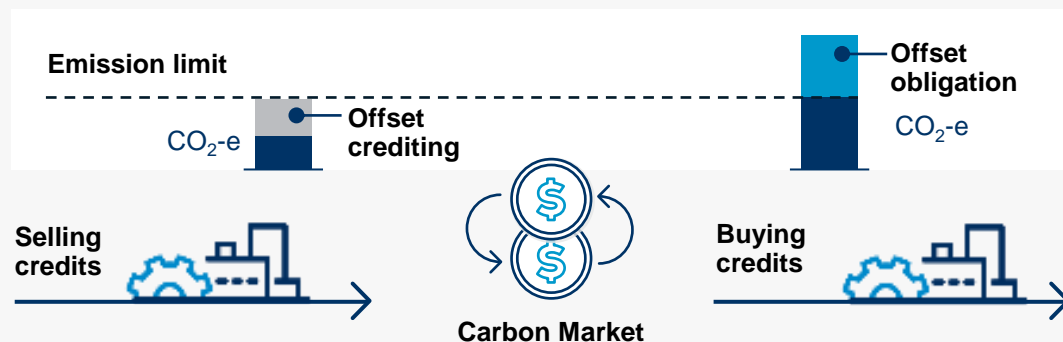
ORICA'S CARBON MARKET POSITIONING

ORICA'S PARTICIPATION IN CARBON MARKETS TO MEET OBLIGATIONS AND RETAIN FLEXIBILITY AND OPTIONALITY

COMPLIANCE CARBON MARKET

Mandatory price on emissions for covered entities

Emissions trading scheme

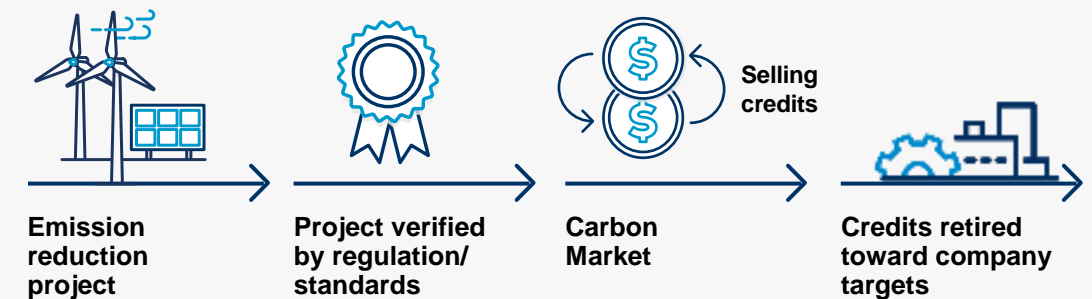


- Regulator sets an emissions 'limit' and awards credits
- Liable entity can choose to reduce emissions, or buy credits from other entities or secondary market

VOLUNTARY CARBON MARKET

Financial incentive for avoiding or removing emissions



Opt-in carbon development



- Approved project that avoids or removes emissions
- Projects are registered under a standard and verified by an independent body. Carbon credits are issued
- Developer can sell carbon credits to other parties
- Registered carbon credit owner can monetise or surrender

CARBON MARKETS

ORICA IS SUBJECT TO MANDATORY EMISSIONS TRADING SCHEMES IN AUSTRALIA AND CANADA

	 AUSTRALIA	 ALBERTA, CANADA
Emissions Trading Scheme (ETS)	Safeguard Mechanism ¹	TIER market ²
Carbon market size - 2023	AUD \$0.3bn	AUD \$1.5bn
Current market view	Currently oversupplied but expected to move to deficit by 2030	Market is undersupplied; prices should lift with legislated price rises
% of Orica's Scope 1 and Scope 2 emissions captured by regulation³	82%	2%

¹ The Safeguard Mechanism is the Australian Government's policy for reducing emissions at Australia's largest industrial facilities. It sets legislated limits—known as baselines—on the greenhouse gas emissions of these facilities

² Technology Innovation and Emissions Reduction Regulation (TEIR)

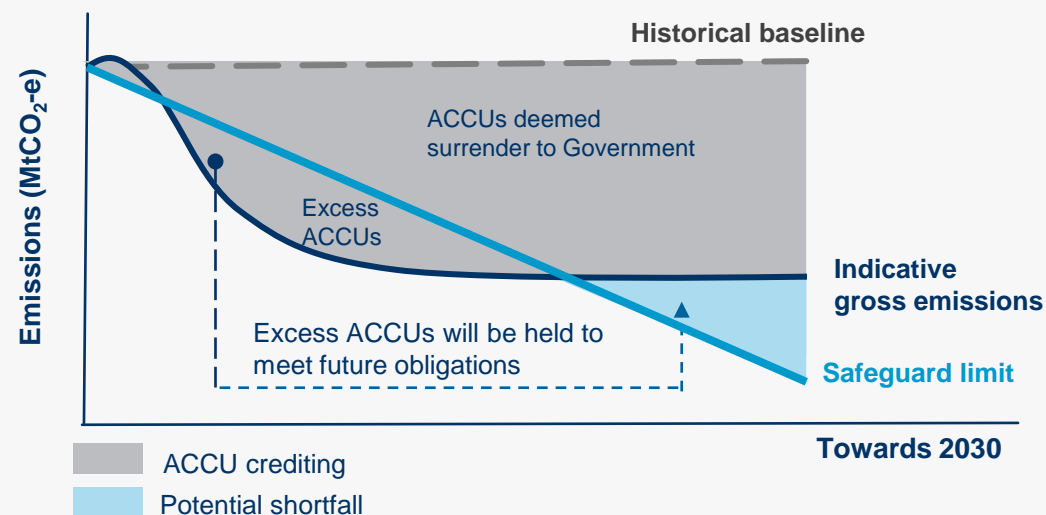
³ Based on FY2022 performance data. The remaining emissions are not captured by a mandatory carbon trading scheme

REGULATION & EMISSIONS TRADING SCHEMES

ORICA IS UNIQUELY POSITIONED TO MEET OBLIGATIONS



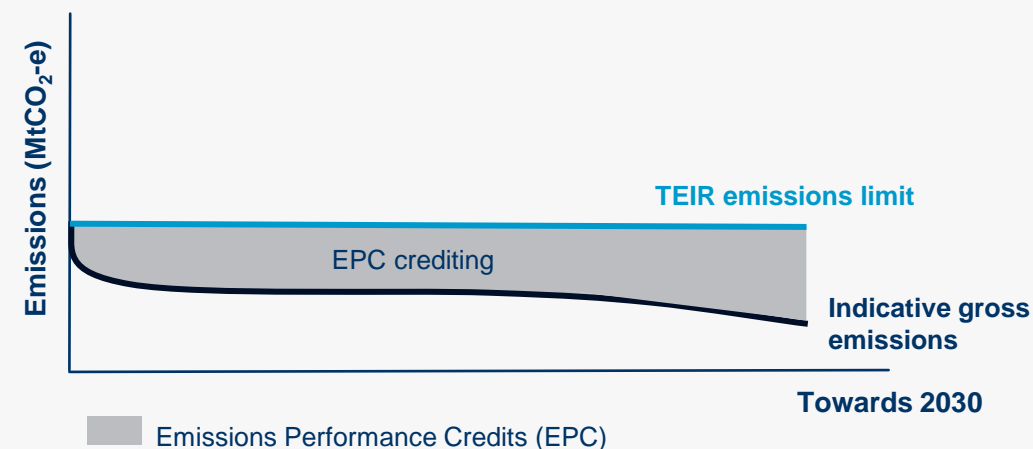
Schematic for Australian market, indicative position



- Safeguard Mechanism reform
- Covered facilities: Kooragang Island and Yarwun Nitrates
- Proactive management of emissions to remain well below Safeguard limit
- ACCU Scheme (formerly Emissions Reduction Fund) projects and contractual arrangements grandfathered for full 7 years



Schematic for Alberta compliance mechanism, indicative position



- Technology Innovation and Emissions Reduction Regulation (TIER)
- Covered facility: Carseland
- Long history of managing emissions intensity well below baselines

CARBON MARKET FRAMEWORK

THE ROLE OF CARBON OFFSETS

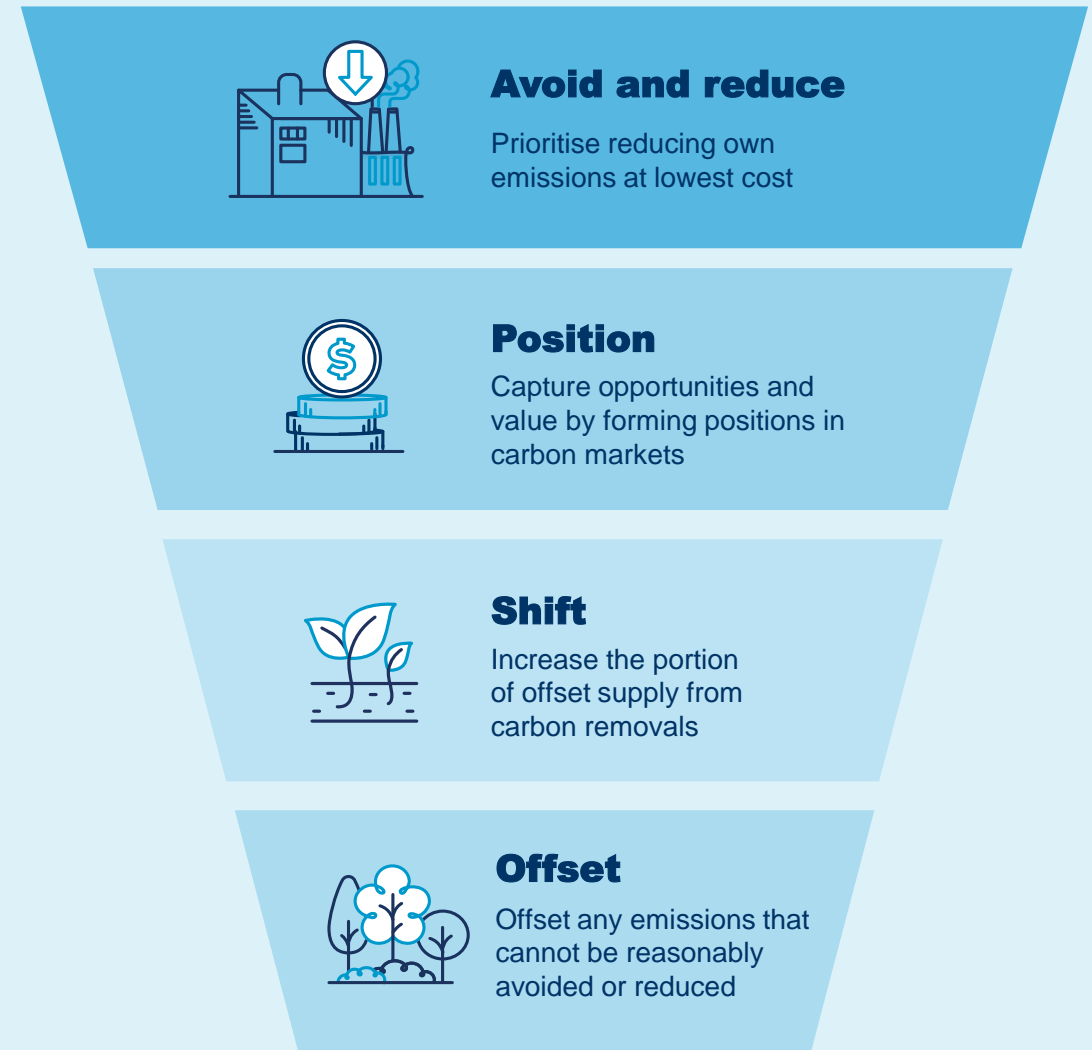
Our principles in applying offsets

- Prioritise own emissions reduction
- Transparency and integrity
- Certified to a reputable standard by an independent third party
- From projects with real, measurable impacts

Next steps

- Execute on existing carbon market positions
- Formulate global carbon market strategy
- Assessment of opportunities such as nature-based solutions

Orica's emission reduction hierarchy





Q&A SESSION

CREATING COMMERCIAL ADVANTAGE

RENEWABLE HYDROGEN

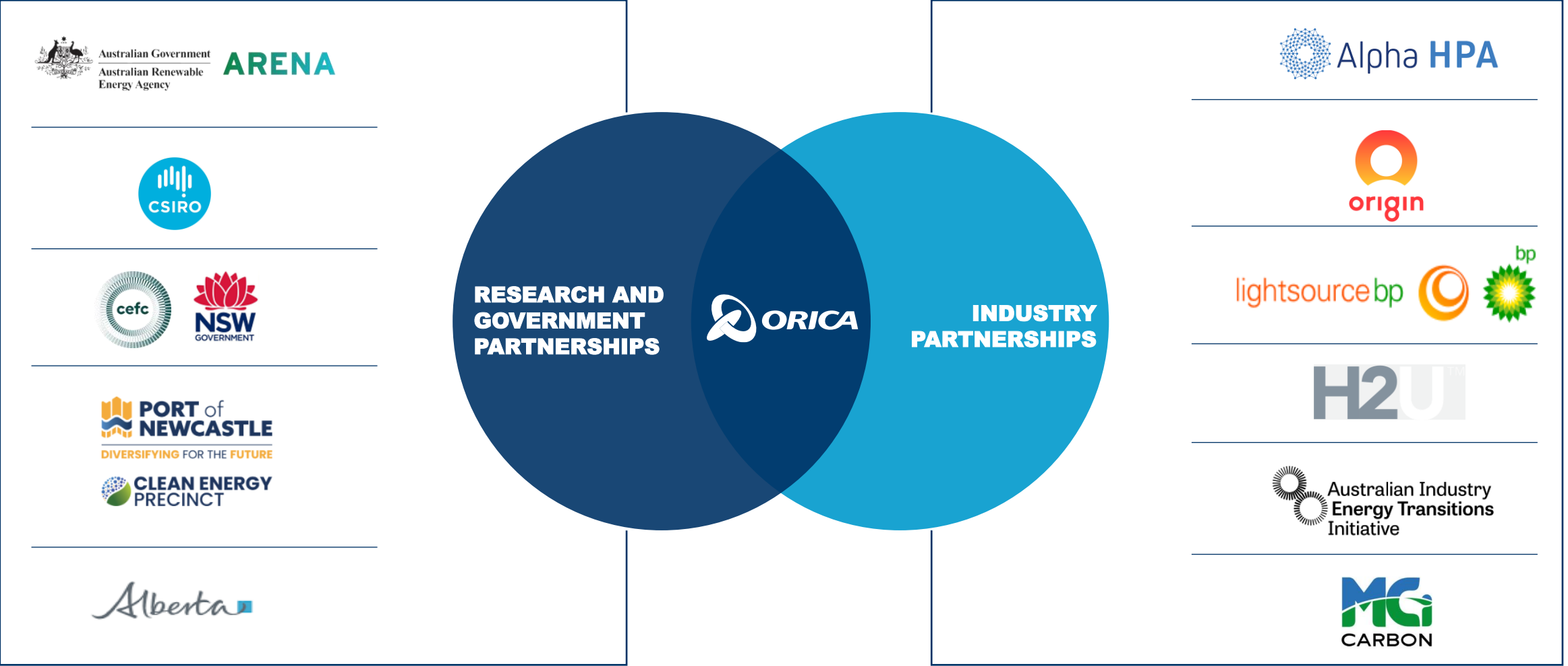
ANDREW STEWART
CHIEF DEVELOPMENT AND
SUSTAINABILITY OFFICER



Kooragang Island, Australia

HIGHLIGHTS OF OUR RECENT PARTNERSHIPS

PARTNERING FOR PROGRESS



COMPELLING ADVANTAGES AND STRONG PARTNERS

**1.6 GW
RENEWABLE
HYDROGEN
AMBITION**



**PHASE 1:
50 MW RENEWABLE
HYDROGEN
FACILITY**



**ORICA'S
350K TPA
AMMONIA PLANT**



RENEWABLE HYDROGEN PRODUCTION CREDITS CRITICAL TO ESTABLISH A MARKET

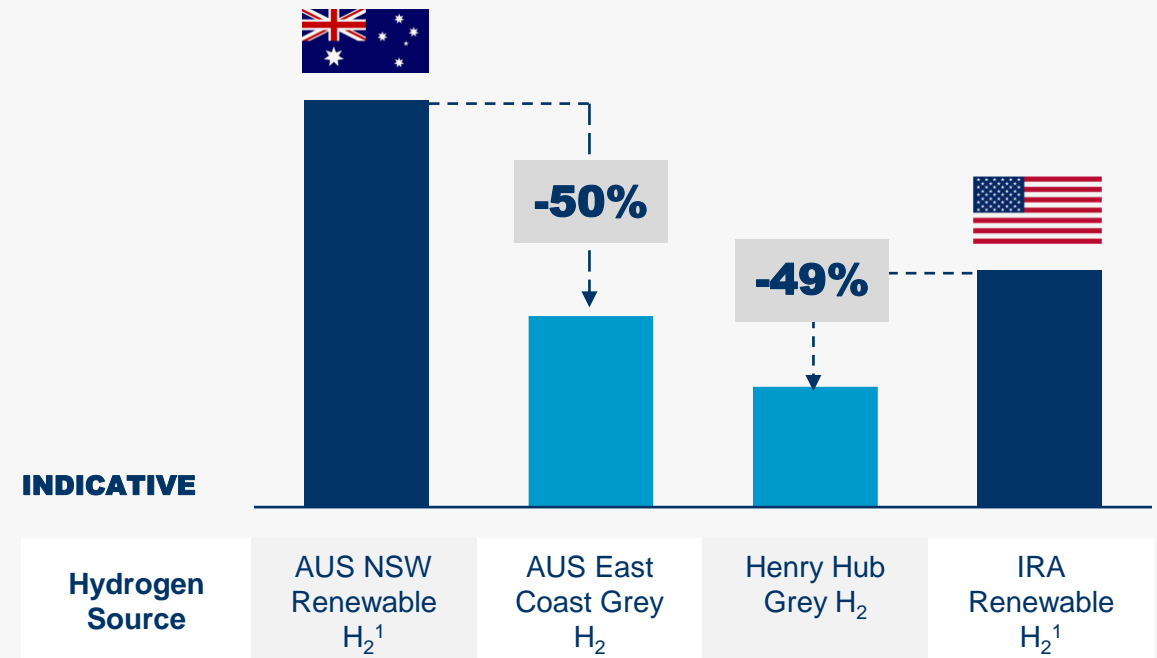
Providing optionality

- Low Carbon AN can be produced from Low Carbon Ammonia
- Low Carbon Ammonia can be exported to new global customers in power, maritime, agriculture and other industrial applications

Government support is needed to help with transition and establishing potential markets

Ammonia manufacturing cost comparison based on H₂ source

% OpEx cost difference in 2025



Note 1. Low carbon H₂ = H₂ made using 100% renewable electricity primary feedstock instead of a methane gas feedstock

Source: Orica analysis

CREATING COMMERCIAL ADVANTAGE

ESG ORIENTED INVESTMENTS

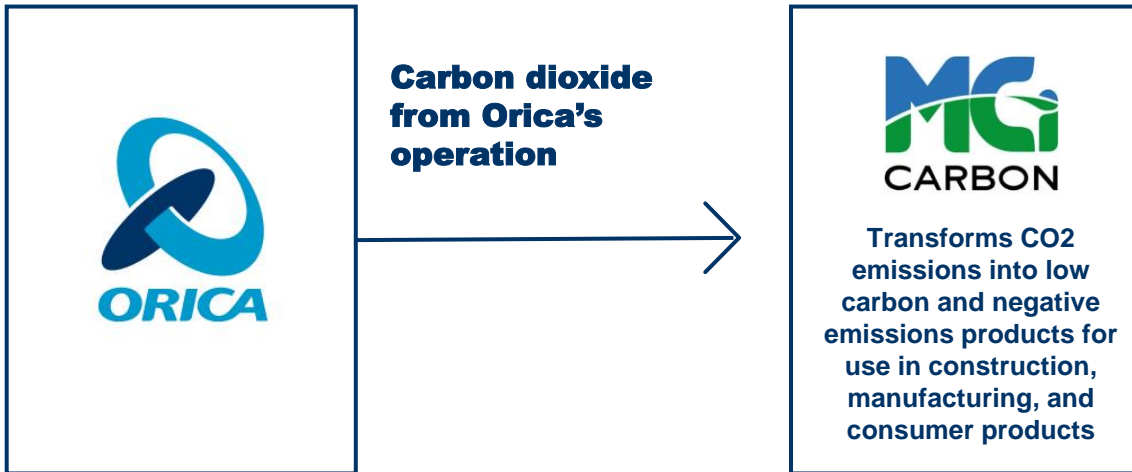
ANDREW STEWART
CHIEF DEVELOPMENT AND
SUSTAINABILITY OFFICER



CREATING VALUE FROM WASTE

SUPPORTING MCI CARBON

- Orica has supported MCI Carbon¹ with research funding and expertise
- MCI Carbon demonstration plant will be at our site in Kooragang Island
- The demonstration plant will be one of the world's largest carbon capture and utilisation plants
- Scheduled for completion in 2024



¹ MCI Carbon has developed a scalable carbon platform technology that safely captures and converts industrial CO2 emissions into solid bulk materials used in new low-carbon products for construction, manufacturing and consumer markets - enabling a circular economy



Towards
NetZero
Emissions by 2050



CREATING VALUE FROM WASTE

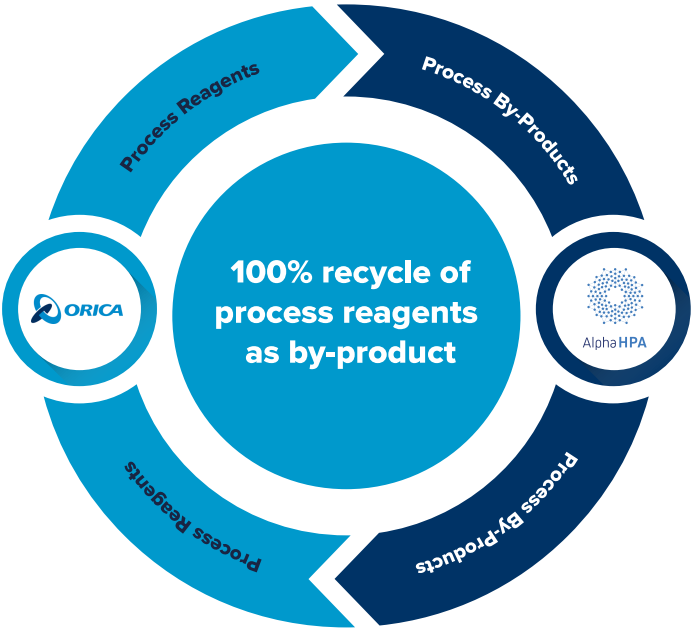
PARTNERING WITH ALPHA HPA

Orica's position

- Orica acquired a 5% equity interest in Alpha HPA¹ in November 2022
- Signed a MoU to investigate the feasibility of a new manufacturing facility in North America, similar to the operating model at their Gladstone site

Reagents to purify raw materials

The by-product of our operations can be used to advance technology



By-product of Alpha HPA's manufacturing process to produce ultra high-purity alumina (HPA) and related aluminium materials

¹ Alpha HPA is a publicly listed, Australian-based company which has commercialised the world's first adoption of the solvent extraction (SX) purification technique to aluminium to produce a growing range of ultra-high purity aluminium materials



CREATING COMMERCIAL ADVANTAGE

ORICA'S SUSTAINABLE SOLUTIONS

ANGUS MELBOURNE
CHIEF TECHNOLOGY OFFICER



Towards
NetZero
Emissions by 2050



ESG PROPOSITION

SMARTER SOLUTIONS TO IMPROVE SAFETY, PRODUCTIVITY AND SUSTAINABILITY



ESG PROPOSITION: DIGITAL SOLUTIONS

OPTIMISING ENERGY ACROSS THE VALUE CHAIN THROUGH INTEGRATED WORKFLOW

DRILL TO BLAST



- Optimising energy by matching explosives energy to orebody intelligence
- Enabled by Rhino™ drill sensors, Design for Outcome machine learning, and BlastIQ™ connected smart explosives delivery units
- Customers experiencing up to 10% reduction in drilling and blasting energy

GRADE CONTROL

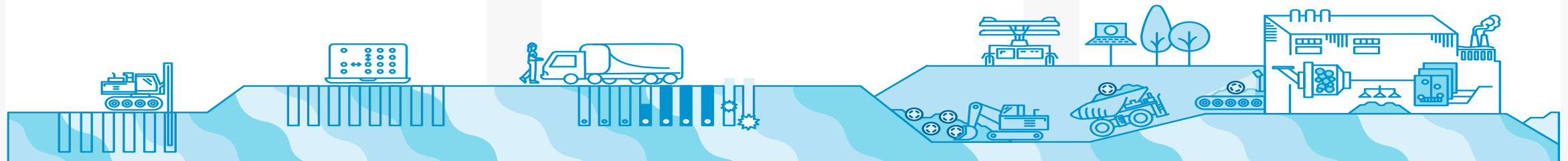


- Maximising ore recovery by modelling ore movement when blasted, informing optimum excavation
- Enabled by OREPro™ 3D Predict digital twin simulation and OREPro™ 3D excavation optimizer
- Can lead to >35% improvement in blast ore dilution - less waste sent for energy intensive mineral processing

MINE TO MILL



- Extracting maximum final concentrate with optimised energy and water usage using integrated simulation from orebody to final product
- Enabled by the Integrated Extraction Simulator (IES)
- Alternative blasting and ore management strategies can yield 6% energy intensity reduction and 8% water intensity reduction



WHOLE OF VALUE CHAIN SOLUTIONS

ESG PROPOSITION: BLASTING TECHNOLOGY

OPTIMISED BLASTING



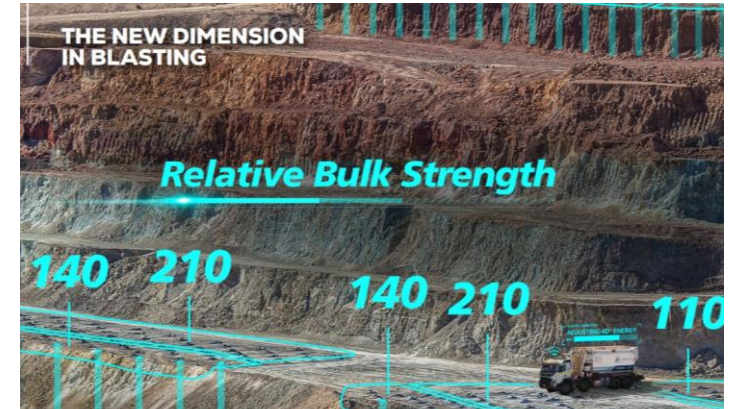
WEBGEN™

- World's first fully wireless initiation system
- Reduces personnel exposure and recovers ore that would otherwise be left behind



AVATEL™

- World's first mechanised development charging system for underground mines
- Enables a single operator to prepare and wirelessly complete a full charging cycle from the safety of an enclosed cabin



4D™

- Bulk system delivers explosive energy more precisely and with a wider range of options
- Blast designers can recover more ore, less waste, using less explosive

ESG PROPOSITION: BLASTING TECHNOLOGY

PROTECTING THE ENVIRONMENT AND UTILISING RESOURCES MORE EFFECTIVELY



CYCLO™

- Reusing and reducing waste oil from mine sites
- Replacing up to 50% of the virgin diesel used to make emulsion explosive
- Emission reductions from reduced diesel consumption and less transportation



FORTIS™ CLEAR & PROTECT BULK LOADING SYSTEMS

- Effectively guarding against post-blast fume generation and nitrates leaching in groundwater
- Both environmental blasting systems aid in maintaining customers licence to operate



EXCEL™ NEO LEAD-FREE DETONATOR RANGE

- Newly launched range of sustainable initiation system products
- Lead-free initiation, reducing health hazard and in compliance with European REACH regulation



LOW-CARBON EMULSIFIER¹

- Low carbon emulsifier produced with low carbon polyisobutylene (PiB) using bio-based renewable energy feedstock
- Offering nearly 80% lower carbon intensity¹ compared to traditional emulsifiers while maintaining identical performance

¹ In the process of receiving an Environmental Product Declaration (EPD)

GOVERNANCE AND ENGAGEMENT

JOHN BEEVERS
NON-EXECUTIVE DIRECTOR
AND CHAIR OF THE SAFETY &
SUSTAINABILITY COMMITTEE



GOVERNANCE AND ENGAGEMENT

BOARD'S GOVERNANCE AND OVERSIGHT

Climate Change Governance Framework



Say on climate resolution at 2023 AGM

- Part of our commitment to transparency and accountability
- Offer our shareholders an opportunity to consider Orica's 2023 Climate Action Report



Q&A SESSION

CLOSING REMARKS

SANJEEV GANDHI
MANAGING DIRECTOR AND
CHIEF EXECUTIVE OFFICER



Towards
NetZero
Emissions by 2050



ORICA'S ACCELERATED CLIMATE CHANGE TARGETS AND SCOPE 3 AMBITION

>



1. Applies to existing operations and covers more than 95% of Scope 1 and Scope 2 GHG emissions. Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if structural changes occur such as acquisitions or divestments. 2. Target boundary excludes small sites (e.g., single remote offices, depots), markets where total consumption is less than 100 MWh pa, or countries where credible sourcing options do not exist. 3. Coverage includes all reported Scope 3 emissions across the twelve of the fifteen Scope 3 reporting categories deemed relevant to Orica. Base year emissions will be recalculated consistent with GHG Protocol emissions accounting standards if methodology or structural changes occur such as acquisitions or divestments. 4. Our net zero emissions ambition covers our global Scope 1 and 2 emissions under our direct control, and material Scope 3 emission sources. Material means the GHG emissions arising from the Scope 3 reporting categories of purchased goods and services (category 1) and use of sold product (category 11). 5. Achieving the net zero emissions and Scope 3 ambition will require effective government policy frameworks, supportive regulation and financial incentives, meaningful and transparent collaboration across value chains and access to new economically viable low-carbon technologies operating at commercial scale.

OUR INVESTMENT PROPOSITION

DELIVERING VALUE TO OUR SHAREHOLDERS



Safety is, and will remain our number one priority



We are the **global leader** in mining and civil construction markets



We have reshaped our strategy and we are focused on **execution**



We will continue to invest in **technology**



We offer sustainable solutions that deliver **profitable growth** for our customers and Orica

OUR PROMISE



Operating responsibly together with our people, partners, customers



Deliver profitable growth



Maximise shareholder returns

APPENDIX



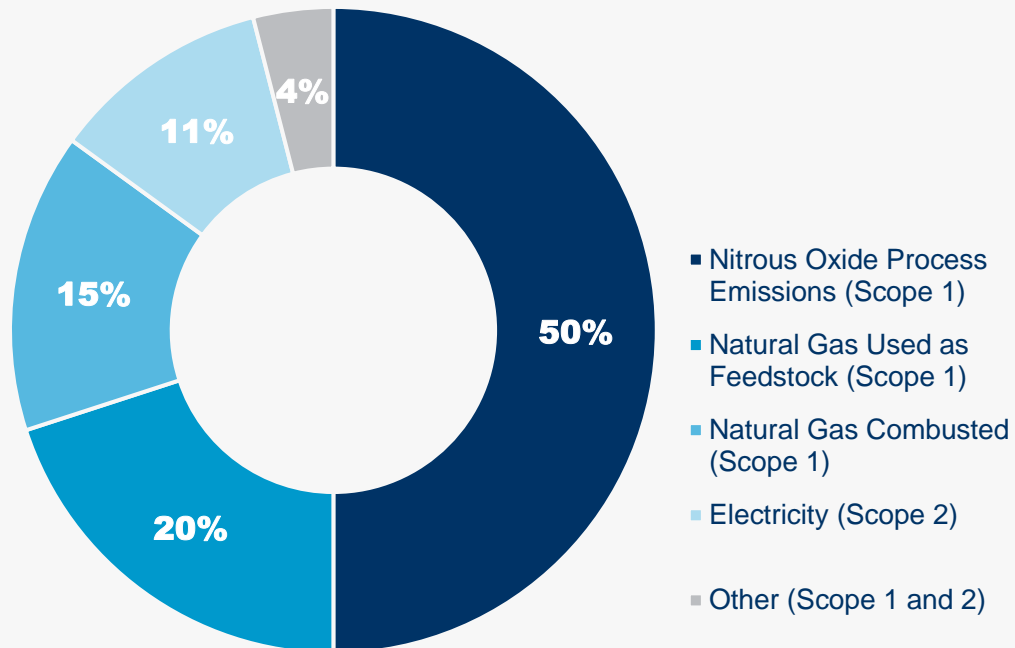
Towards
NetZero
Emissions by 2050



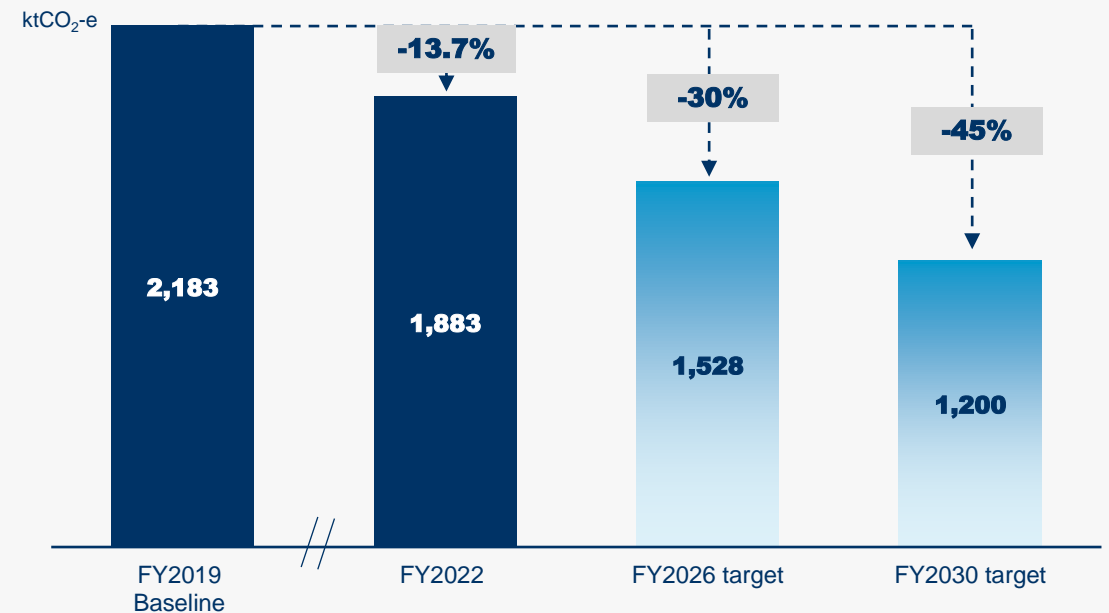
DEMONSTRABLE PROGRESS TOWARDS REDUCING OPERATIONAL EMISSIONS (SCOPE 1 AND 2)

FURTHER PROGRESS MADE ON OPERATIONAL EMISSIONS DURING FY2023

FY2022 global operation GHG emissions by source (Scope 1 and 2)



Progress towards achieving absolute net GHG emissions reduction target



PROGRESS IN REDUCING SCOPE 1 EMISSIONS

TERTIARY ABATEMENT TECHNOLOGY



CARSELAND, CANADA

- Technology installed November 2021 through partnership with the Alberta Government
- Abatement efficacy is above expectations
- AN GHG emissions intensity reduced by around half
- Well positioned to offer lower carbon AN products



KOORAGANG ISLAND, AUSTRALIA

- Decarbonisation Project completed July 2023
- Supported with government grant funding
- Expected to reduce the site's total GHG emission by 567,000 tCO₂-e per annum



YARWUN, AUSTRALIA

- Yarwun Nitrates Decarbonisation Project FID announced in April 2023
- Implementation during the next scheduled turnaround 2024
- Expected to reduce the site's total GHG emission by 200,000 tCO₂-e per annum

Contact:
Delphine Cassidy
Chief Communications Officer
M: +61 419 163 467
E: delphine.cassidy@orica.com



DEFINITIONS

Term	Definition
1.5°C world	According to the Intergovernmental Panel on Climate Change, knowledge-base and assessment approaches used to understand the impacts of 1.5°C global warming above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development and efforts to eradicate poverty
ACCU	Australian Carbon Credit Unit, the name of carbon credits generated in the Australian carbon market.
Ambition	Refers to a goal we are aiming to achieve, have an indicative pathway but intend to better understand the delivery prior to committing to make it a target.
Ammonia Nitrate (AN)	Includes Ammonium Nitrate prill and solution as well as Emulsion products including bulk emulsion and packaged emulsion. ANeq (AN equivalent) represents AN content on the products we sell
Capital expenditure	Comprises total payments for property, plant and equipment and intangibles
Carbon credit	A carbon credit represents GHG abatement activities which have occurred from carbon credit projects, i.e. specific projects with the aim to avoid or sequester GHG emissions from the atmosphere. Carbon credit projects create eligible carbon credit units which have been measured, verified and assigned a certificate in a registry for trading in carbon markets. One carbon credit unit represents one tonne of carbon dioxide equivalent (tCO ₂ -e) stored or avoided by a carbon credit project.
Kt	A metric kiloton (kt) is a decimal multiple of the metric unit of mass, ton, which is equal to 1,000 kg
Trade working capital (TWC)	Comprises inventories, trade receivables and trade payables
ESG	Environmental, social and governance
FCTR	Foreign currency translation reserve
Decarbonise	Removal or reduction of carbon dioxide output into the atmosphere
Future-facing commodities	Includes copper, nickel, lithium, cobalt and other metals and minerals. As much of the world continues to move towards an energy transition, demand for future-facing commodities will grow.
GHG (Greenhouse gases)	Gases which absorb and re-emit infrared radiation, thereby trapping heat in Earth's atmosphere. Includes carbon dioxide (CO ₂), water vapor, methane (CH ₄), nitrous oxide (N ₂ O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF ₆), and nitrogen trifluoride (NF ₃). The GHG applicable to Orica's operations are CO ₂ , CH ₄ , and N ₂ O.

Term	Definition
Grey hydrogen	Hydrogen made via steam methane reforming (SMR) using a methane natural gas feedstock
Low Carbon Ammonia	Renewable hydrogen and nitrogen are reacted together at high temperatures and pressures to produce ammonia (Haber-Bosch process)
Net GHG emissions	Reported GHG emissions in a reporting period (Orica financial year) after applying claimable emissions reductions or surrenders from carbon credit units. Includes generated carbon credits which have not been surrendered but sold on to a third party or banked in a carbon credit registry.
Net zero	Net zero refers to achieving an overall balance between GHG emissions produced and GHG emissions taken out of the atmosphere.
Paris Agreement goals	The central objective of the Paris Agreement is to avoid dangerous climate change by limiting global warming to well below 2°C and pursuing efforts to limit it to 1.5°C above pre-industrial levels. Additionally, the agreement aims to increase the ability of countries to deal with the impacts of climate change, and at making finance flows consistent with a low GHG emissions and climate-resilient pathway.
Power purchase agreement (PPA)	A type of contract that allows a consumer, typically large industrial or commercial entities, to form an agreement with a specific energy generating unit. The contract itself specifies the commercial terms including delivery, price, payment, etc. In many markets, these contracts secure a long-term stream of revenue for an energy project.
Renewable hydrogen	Hydrogen made via electrolysis using 100% renewable electricity
Scope 1 greenhouse gas emissions	Scope 1 greenhouse gas emissions are direct emissions from operations that are owned or controlled by the reporting company. For Orica, these are primarily emissions from industrial manufacturing processes and natural gas feedstocks.
Scope 2 greenhouse gas emissions	Scope 2 greenhouse gas emissions are indirect emissions from the generation of purchased or acquired electricity, steam, heat or cooling that is consumed by operations that are owned or controlled by the reporting company.
Scope 3 greenhouse gas emissions	Scope 3 greenhouse gas emissions are all other indirect emissions (not included in Scope 2) that occur in the value chain. For Orica, these are primarily emissions resulting from purchased goods and services which account for around two-thirds of our global Scope 3 GHG emissions.
Target	Refers to a goal we are aiming to achieve where we have developed a delivery pathway.
TCFD	Task Force on Climate Related Financial Disclosures
tCO₂-e	Tonne of carbon dioxide equivalent.