



**MAKING A
DIFFERENCE**

Independence Group NL

Australian Nickel Conference

15 October 2019

The background of the slide is a wide-angle photograph of a large, modern industrial warehouse. The ceiling is high and features a complex network of dark metal trusses and beams, with several long, bright LED light fixtures hanging from it. The floor is a smooth, light-colored concrete. On the right side, there are large, dark-framed roll-up doors. In the middle ground, a white forklift is visible, partially obscured by a white semi-transparent rectangular box that contains the text 'Nickel Market'.

Nickel Market

Nickel Market



Market deficits expected to be positive for nickel price



1) Source: Bloomberg, Consensus Economics, Roskill



Clean Energy Metals

Electric Vehicles

EV sales are increasing rapidly

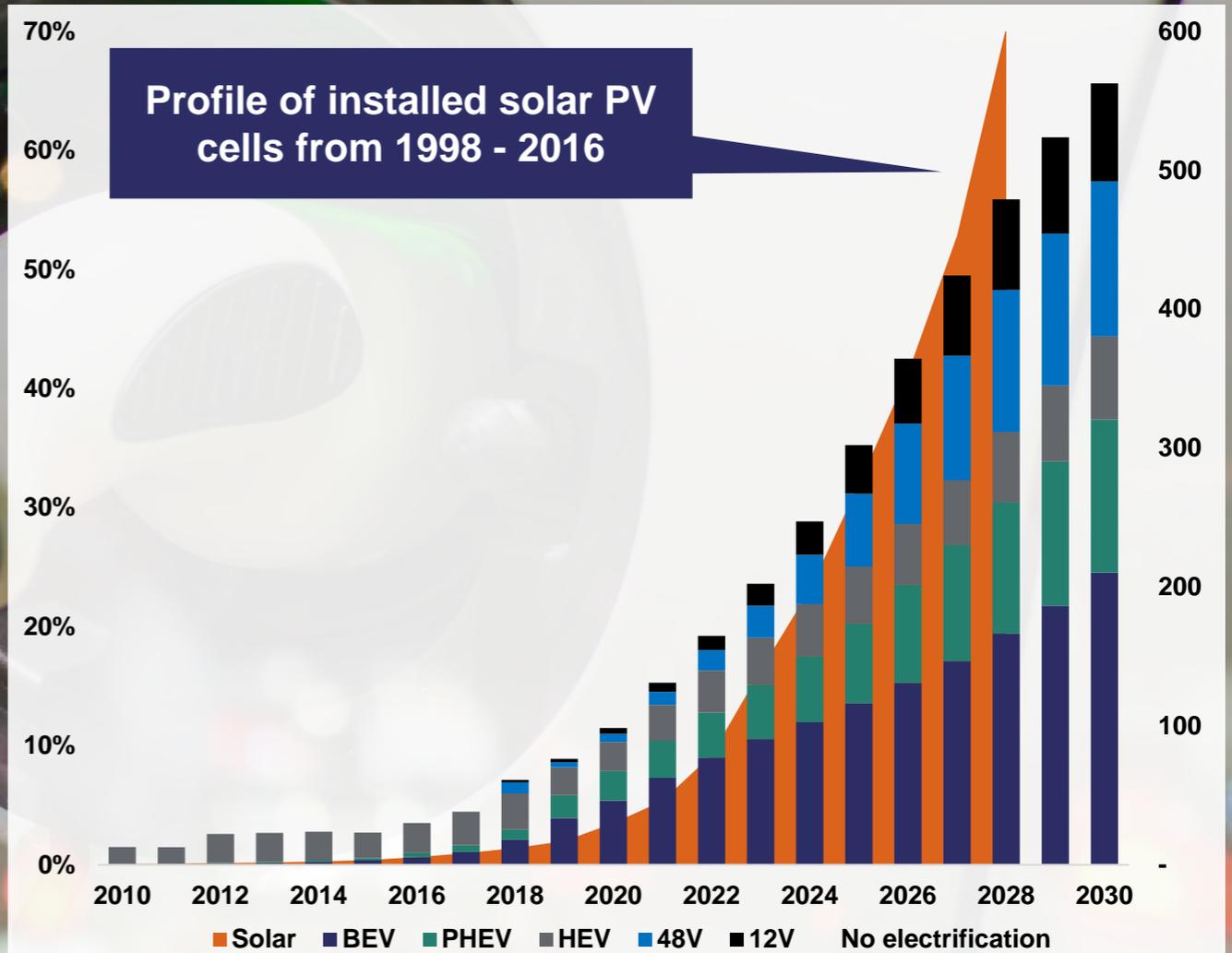


Higher energy density and improved safety of batteries is driving new applications

Potential for EV adoption to accelerate due to lower cost and increased regulation

Disruptive technologies often follow a similar growth path

Outlook for passenger electrification^(1,2) (% of sales)



1) Source: BP Statistical Review of Global Energy 2016

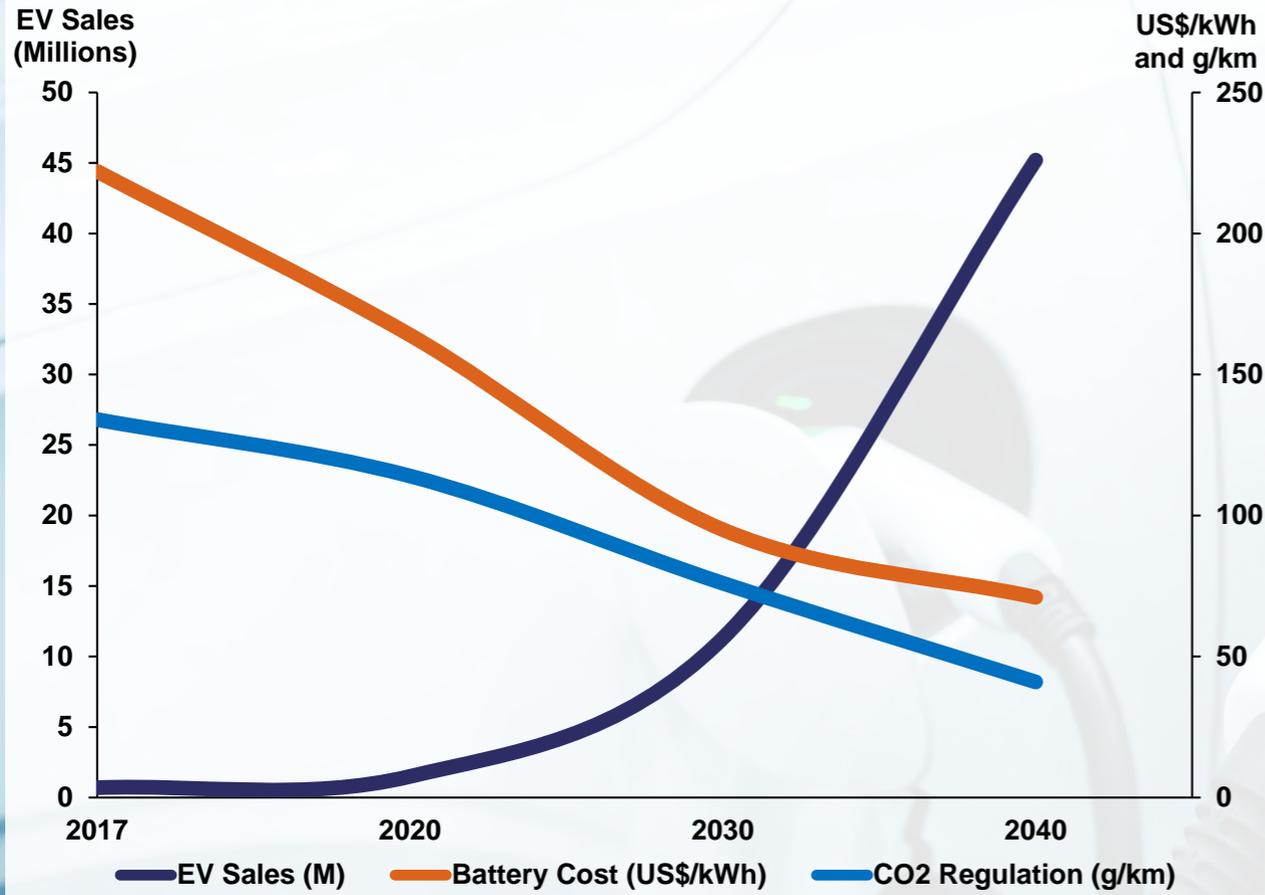
2) Source: Roskill, 2019

Electric Vehicles

Multiple factors driving strong demand growth for EVs



Falling battery cost and CO2 regulations driving sales⁽¹⁾



Subsidies, regulation and penalties

Investment in recharge infrastructure

Improved quality and battery life

Lower cost

Changing consumer preferences

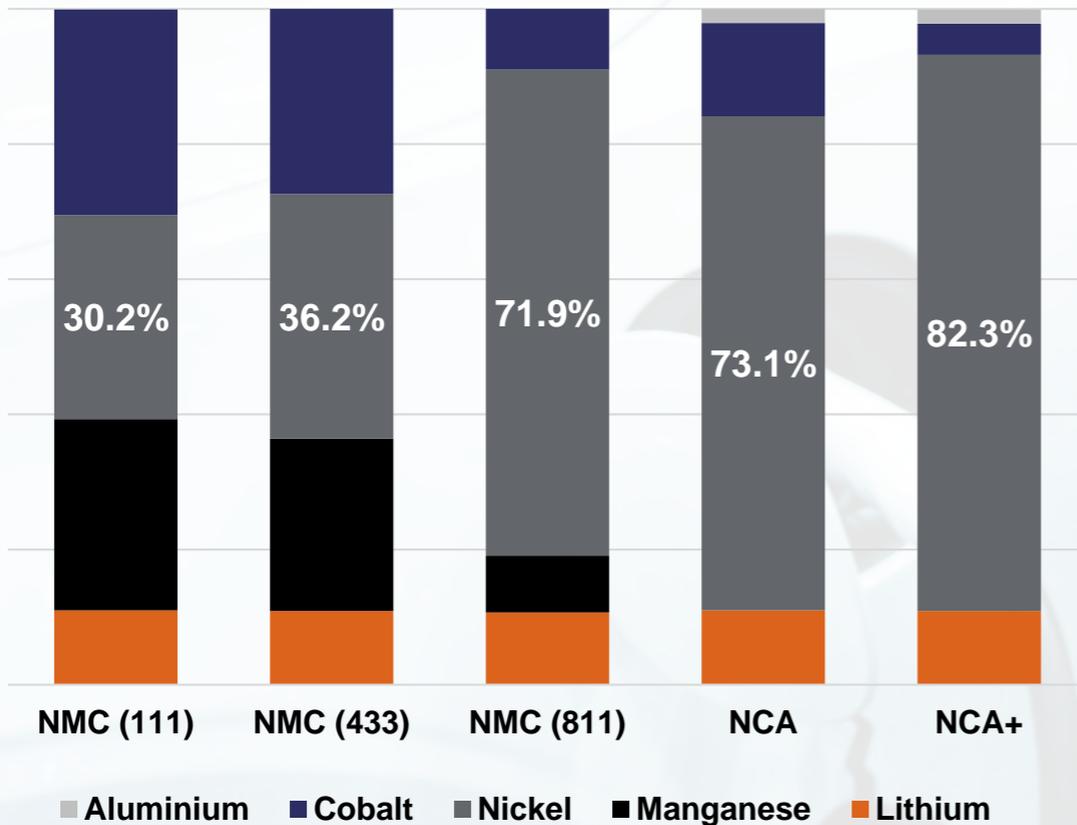
1) Source: Goldman Sachs: Back to reality, back to Hybrid – April 2019

Battery Chemistry

Higher nickel intensities improve battery performance and range



EV batteries becoming more nickel intensive⁽¹⁾



NMC (811) or NCA in 80% of EVs by 2025⁽²⁾

+75kg of nickel in a 2019 Tesla Model S



1) Source: Proportion of metals in EV battery cathodes for different battery chemistries

2) Source: Goldman Sachs: Nickel: The "hope stock" of metals - June 2019

Making a Difference

IGO - strategically focused on metals critical to clean energy



**Globally
Relevant**



**High-quality
Products**



**Vertically
Integrated**



**Proactively
Green**



People

Corporate Overview

Portfolio of high quality operating and exploration assets



Market Capitalisation⁽¹⁾

A\$3.6 billion

Shares on Issue⁽¹⁾

590 million

Cash⁽²⁾

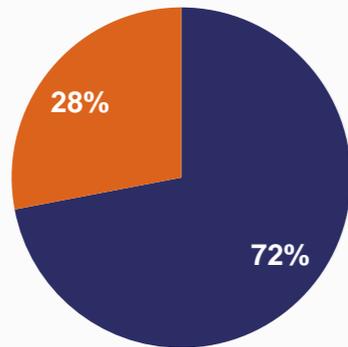
A\$348 million

Debt⁽²⁾

A\$86 million

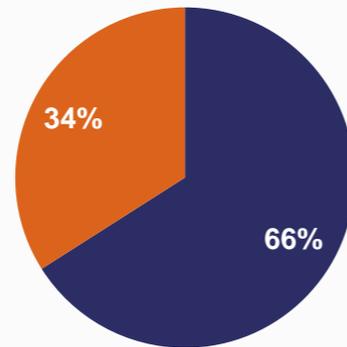
Shareholders⁽³⁾

Institutional vs Retail

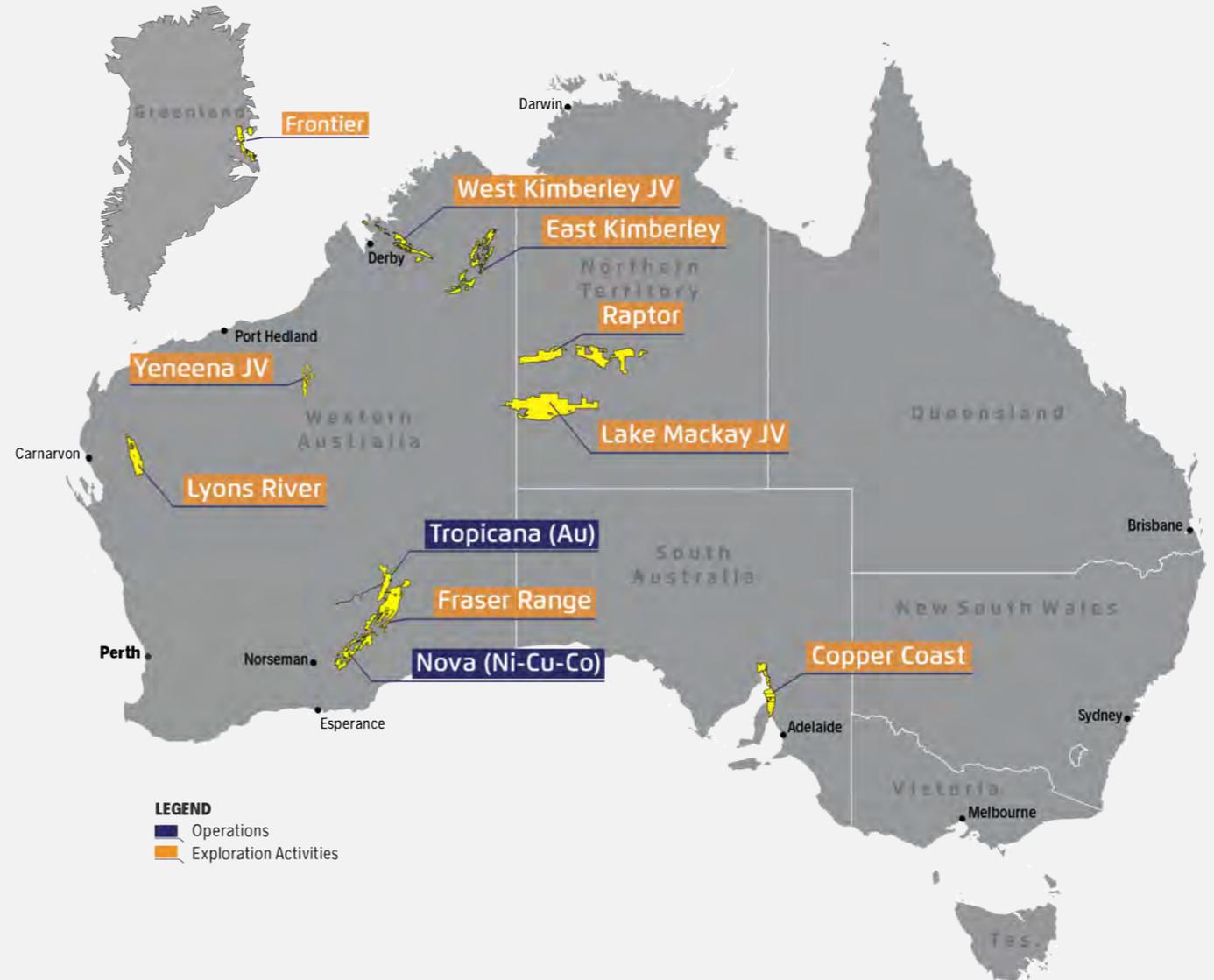


■ Institutional ■ Retail

Institutional holders by Geography



■ Domestic ■ International



LEGEND
■ Operations
■ Exploration Activities

1) As at 14 October 2019
 2) As at 30 June 2019
 3) As at 30 August 2019



Nova Nickel Operation

Outstanding operational performance and financial returns

Strong metal production in FY19 – exceeded guidance

Nickel in Concentrate

30,708t

▲ 38% YoY

Copper in Concentrate

13,693t

▲ 43% YoY

Cobalt in Concentrate

1,090t

▲ 47% YoY

Low cost operations delivered high margins

Cash Costs

A\$2.07/lb Ni (payable)

▼ 26% YoY

AISC

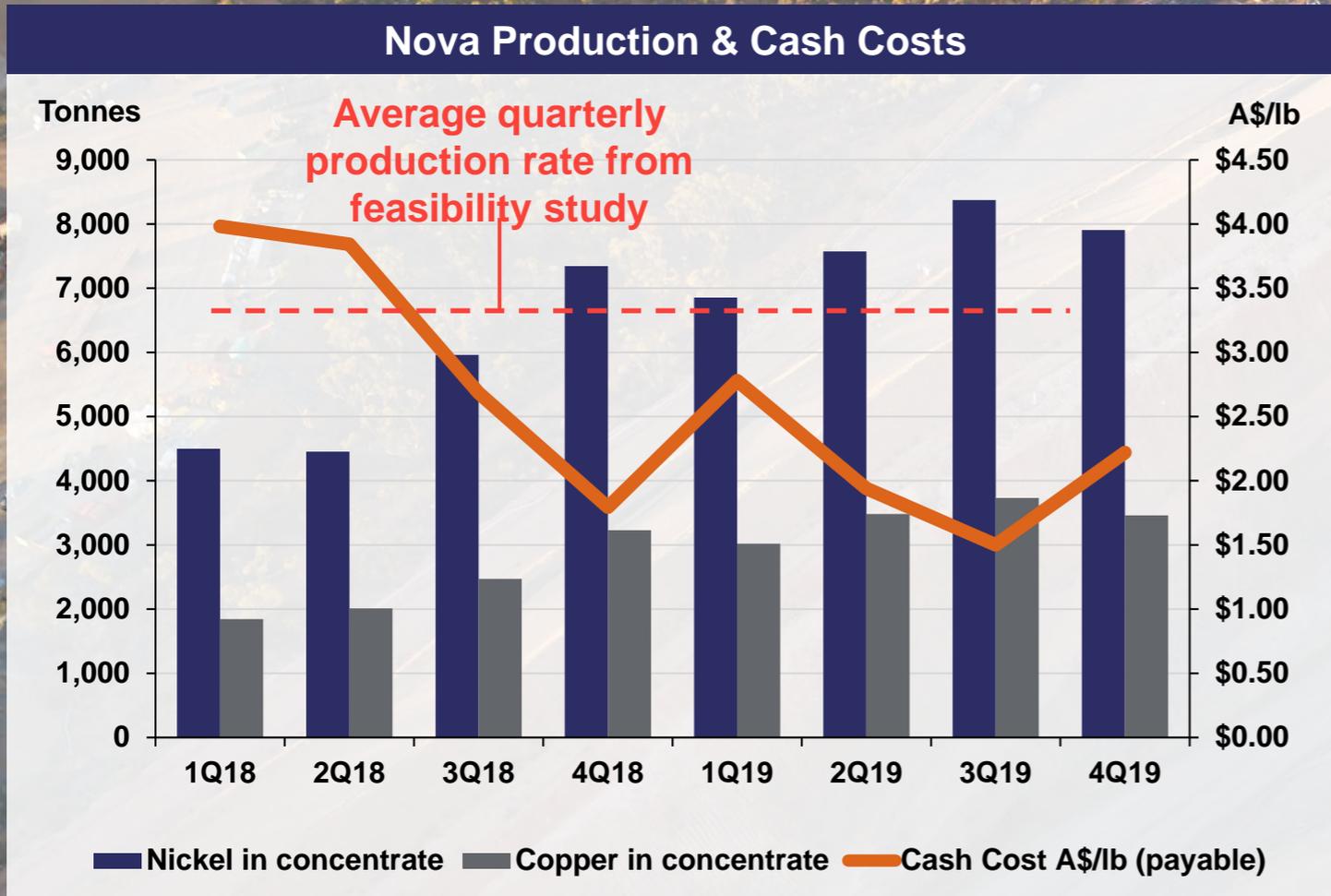
A\$2.79/lb Ni (payable)

▼ 38% YoY

FY19 FCF Margin

50%

▲ 87% YoY



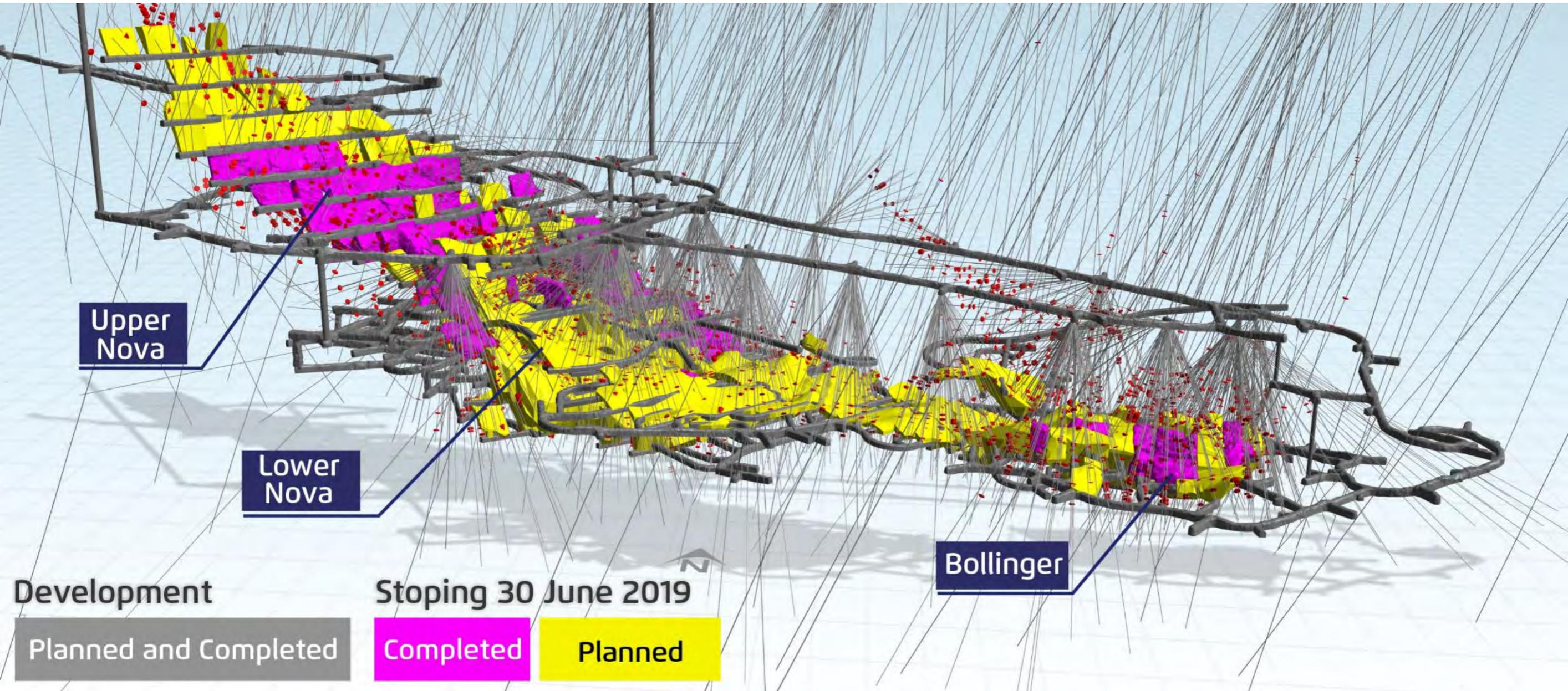
Improving production profile and reducing cash costs

Free Cash Flow generated since start of commercial production
A\$344M

Average EBITDA Margin
53%

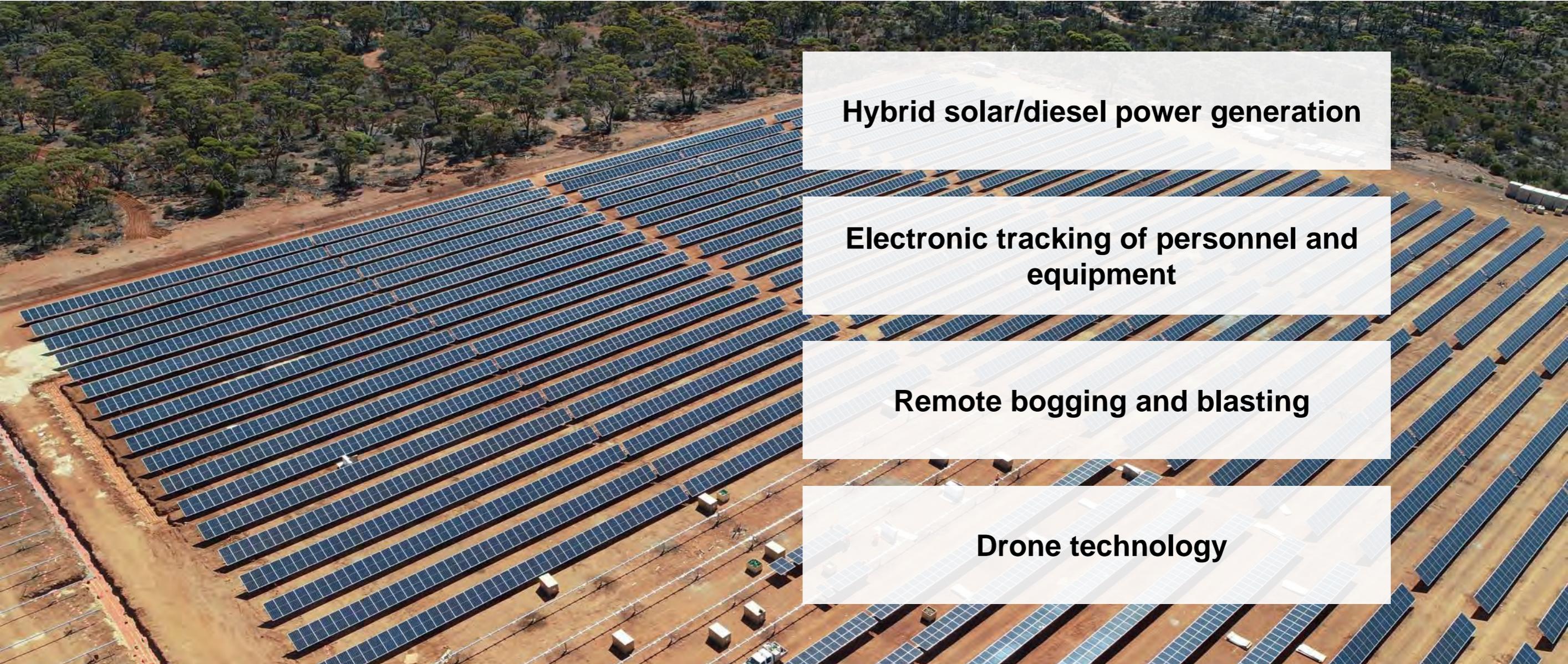
Nova

Capital development and grade control drilling complete



Nova – Smart Solutions

Leveraging innovation and technology to optimise operations

An aerial photograph of a large solar farm in a dry, wooded area. The solar panels are arranged in neat, parallel rows. Overlaid on the right side of the image are four white rectangular text boxes, each containing a different smart solution. The background shows a mix of green trees and brown earth.

Hybrid solar/diesel power generation

Electronic tracking of personnel and equipment

Remote bogging and blasting

Drone technology



igo

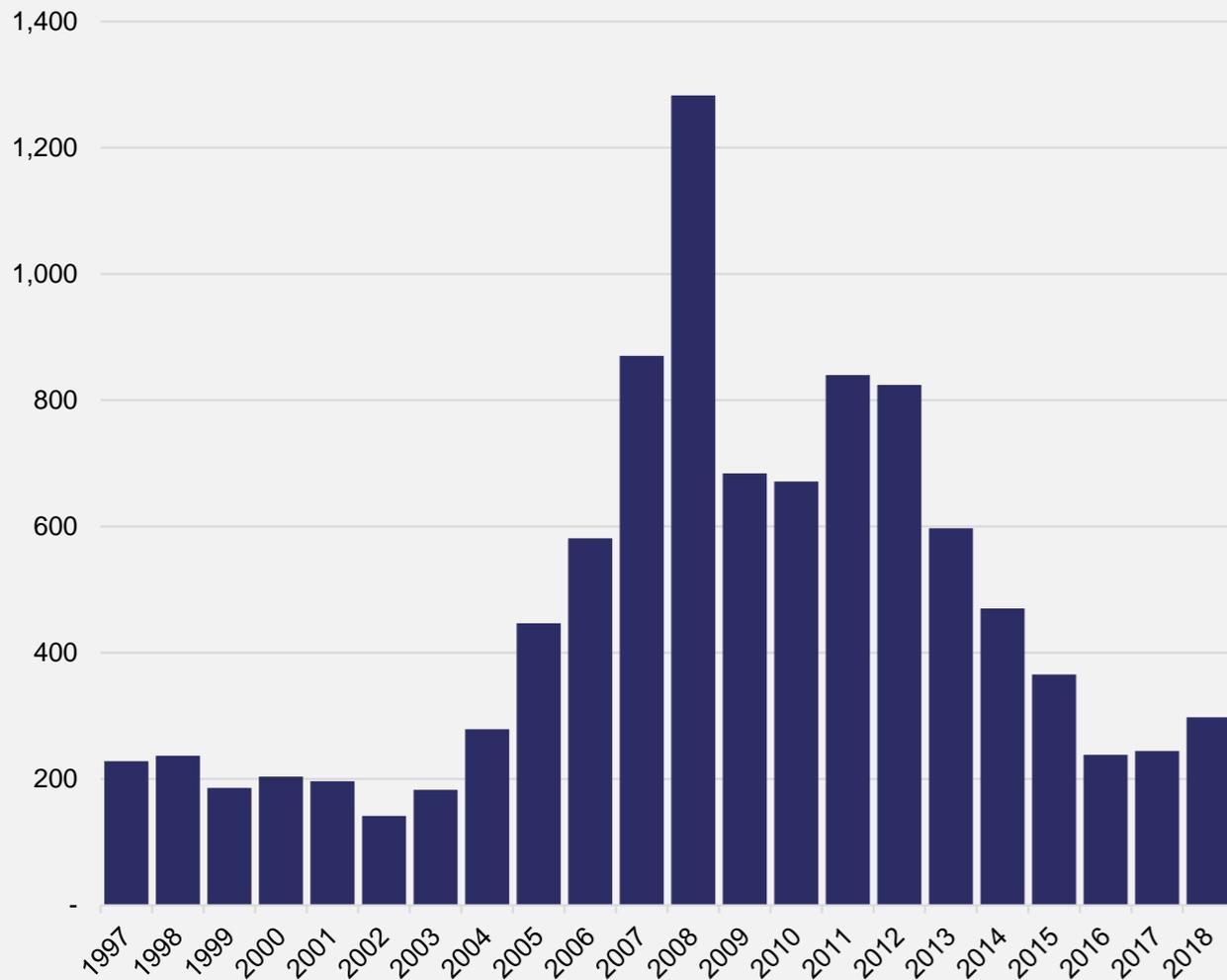
Exploration

Nickel Market

Lack of investment in exploration is exacerbating the supply deficit



Global nickel exploration budgets (US\$M)



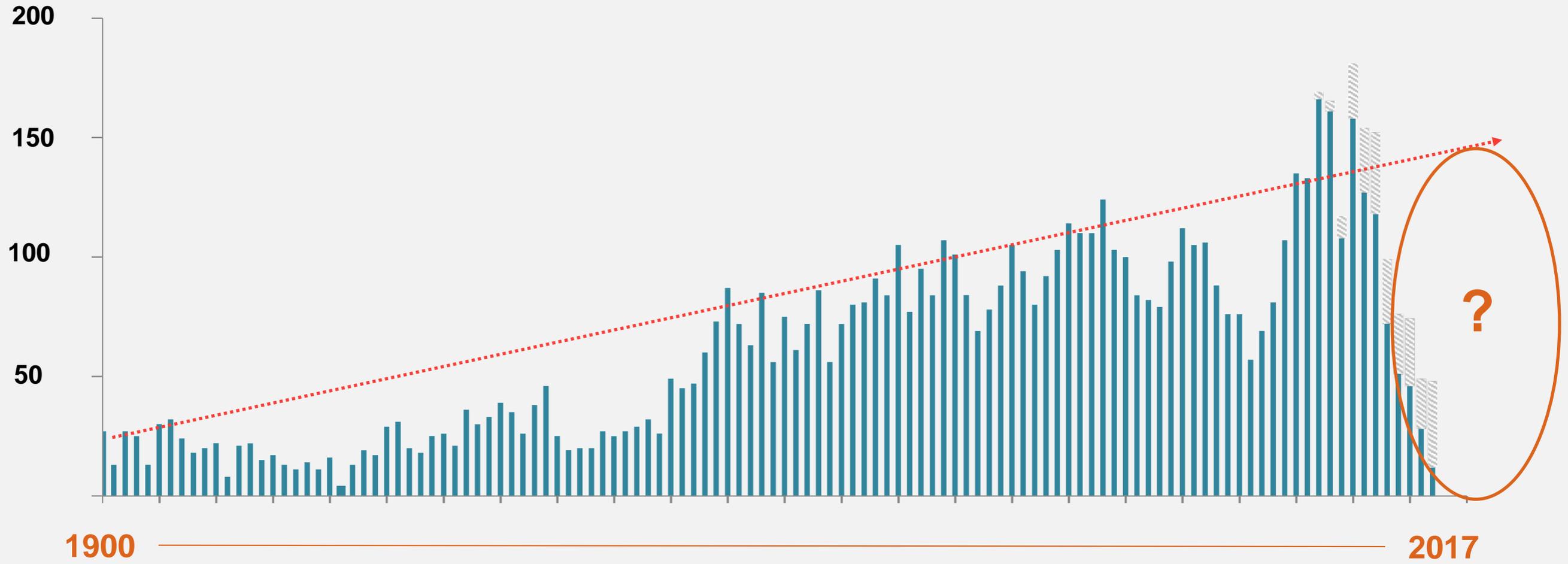
1) Source: S&P Market Intelligence

Trends in Discovery

Tier-1 discoveries are becoming less frequent

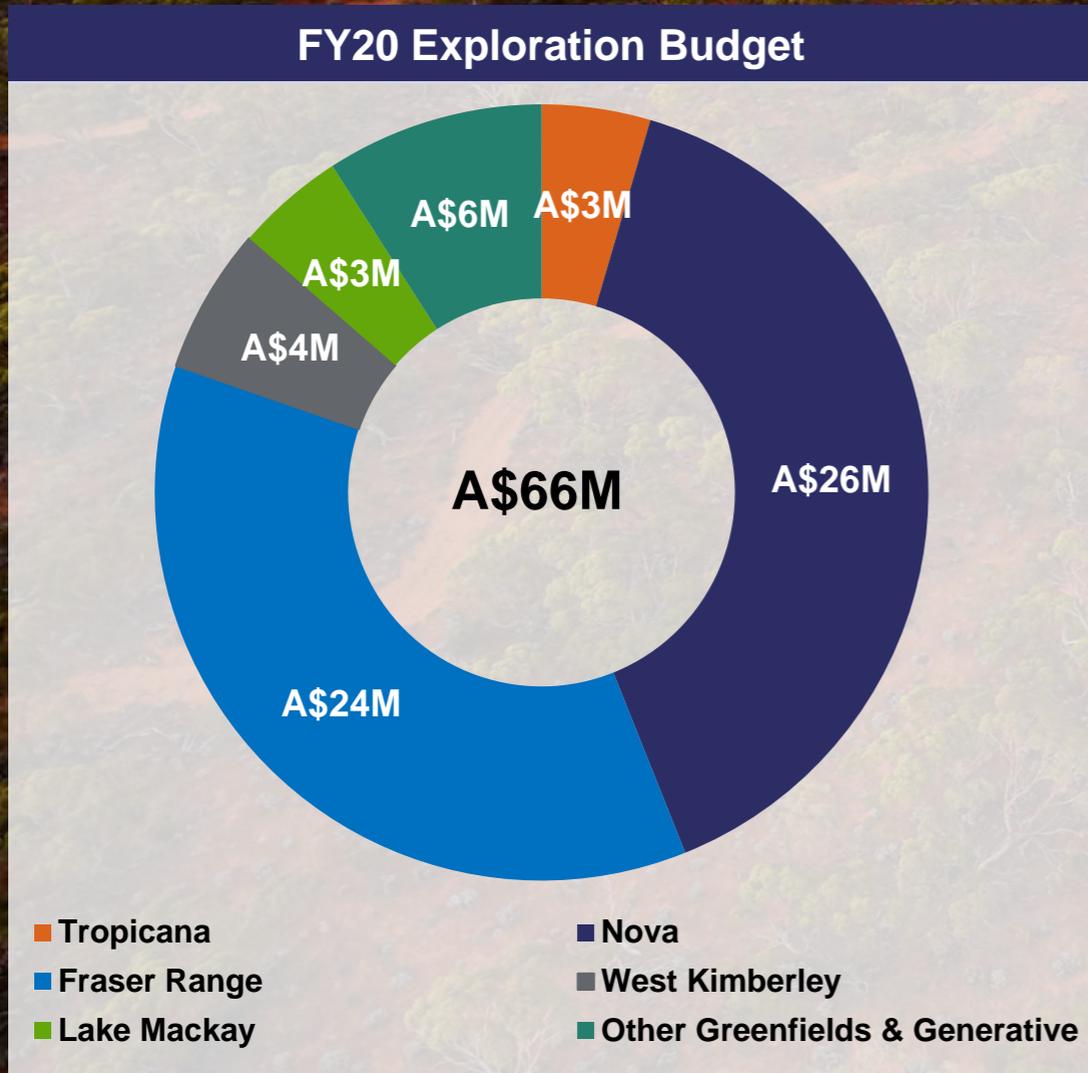


Number of Tier-1 discoveries since 1900



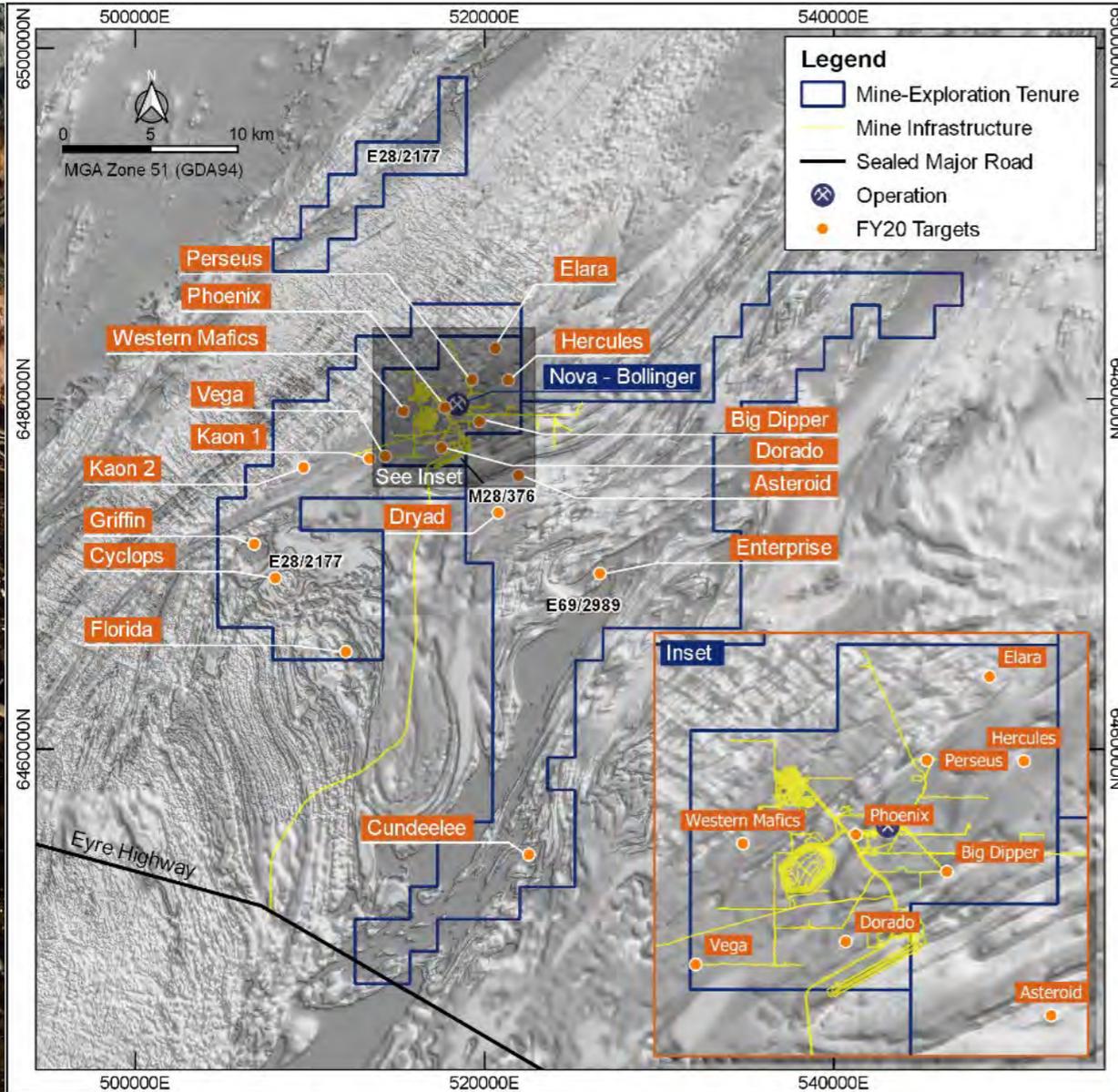
Committed to Greenfields Exploration

Increased exploration budget in FY20



Nova Exploration

Aggressive exploration program at and near Nova



Higher budget in FY20 to fund accelerated exploration program

Multiple targets identified, with majority to be drilled in current drill season

Objective is to deliver discovery success within trucking distance of Nova

Nova System



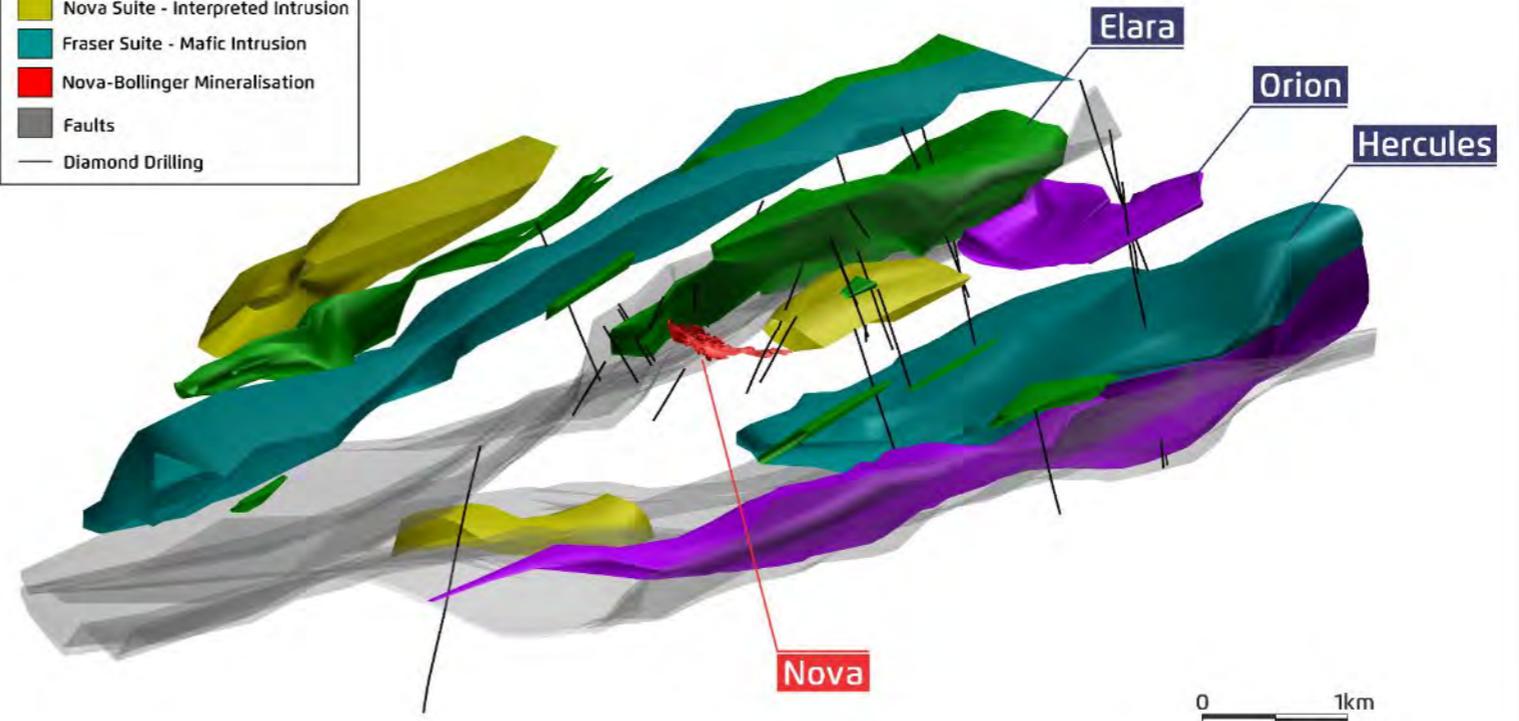
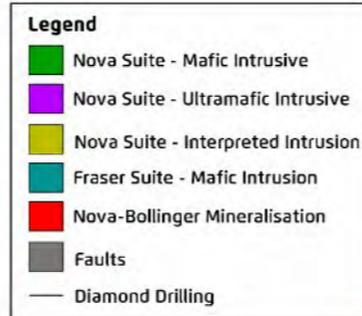
Nova intrusive system now understood to be larger than was originally apparent

Drilling of 3D Seismic targets has confirmed a larger, live mineralised system

Corridor of stacked intrusions identified through Nova mining lease

Three-phase sulphides intersected in drilling

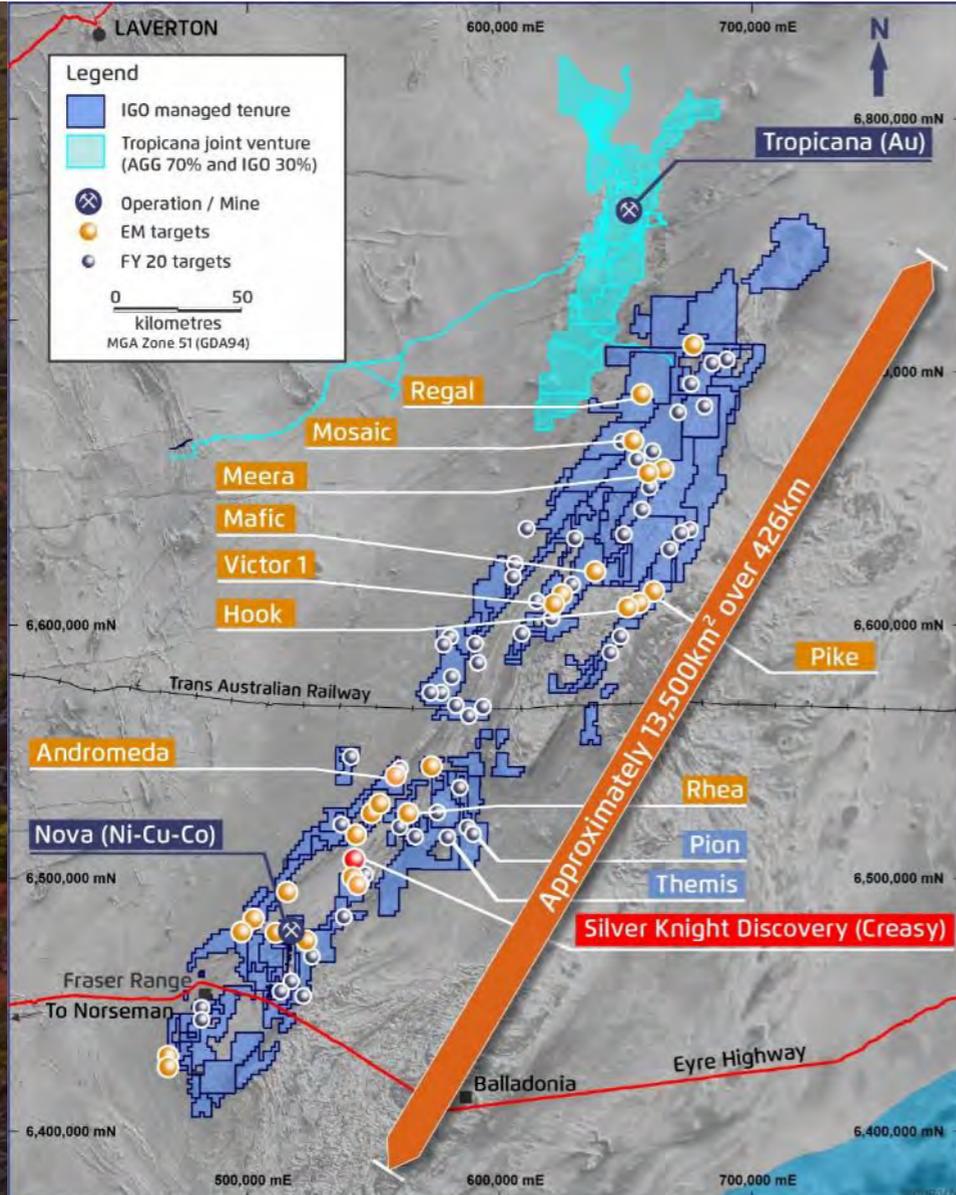
Interpreted magmatic intrusions over the Nova mining lease



IGDDR0627

Fraser Range

Belt-scale opportunity with a pipeline of targets



Extensive exploration program across the consolidated Fraser Range belt in FY20

FY20 Drilling Budget:
Aircore: 100,000m
Diamond: 60,000m

Disciplined exploration strategy leveraging state-of-the-art geophysics and geochemical analysis



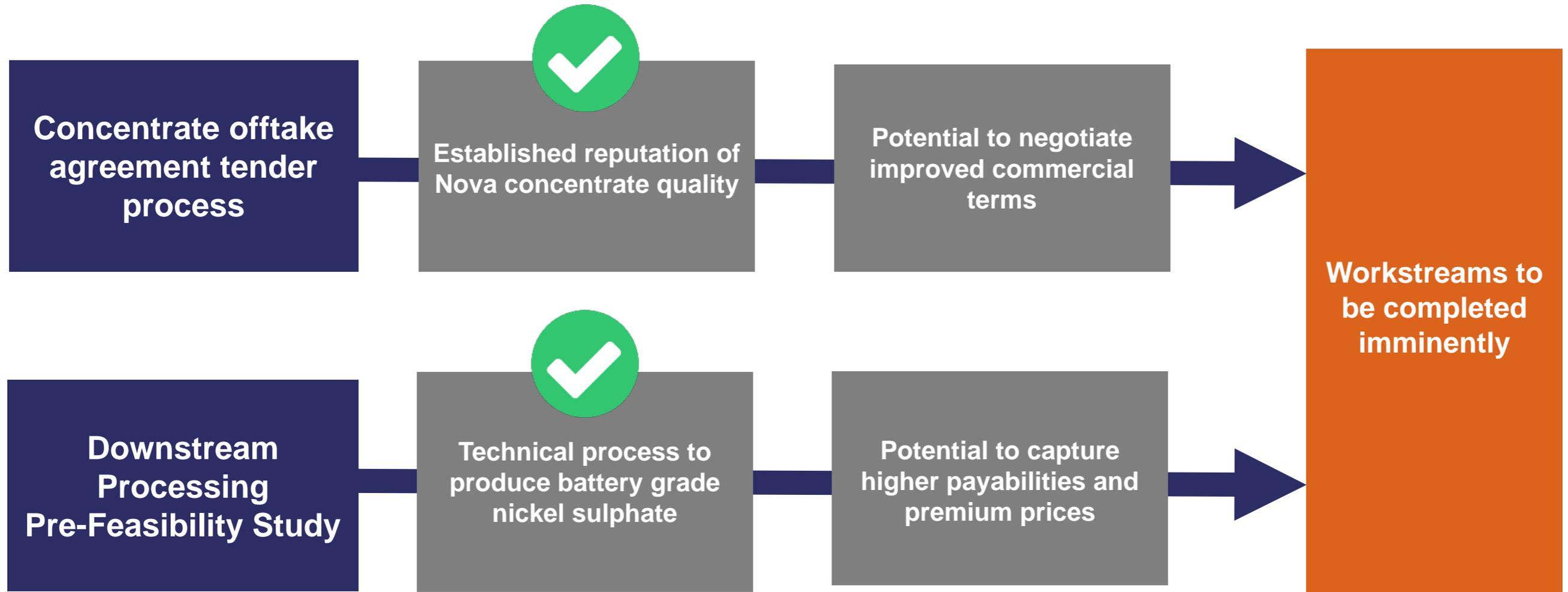
Nickel Value Optimisation



Nickel Value Optimisation



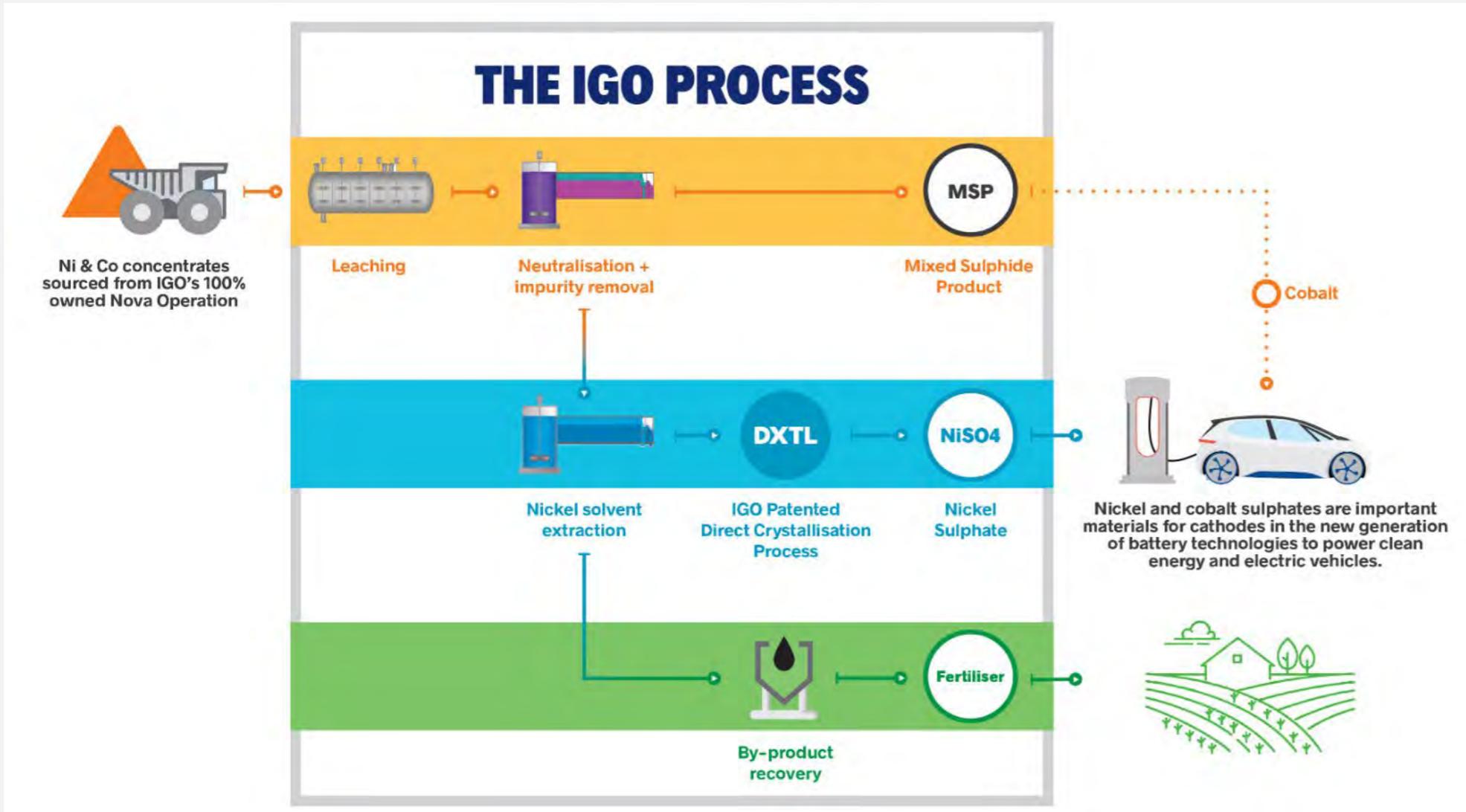
Parallel workstreams to deliver improved value from Nova nickel concentrate



Downstream Processing



IGO Process designed to convert nickel sulphide concentrate into nickel sulphate



High metal extraction

Lower cost ⁽¹⁾

Lower emissions ⁽¹⁾

Lower waste ⁽¹⁾

¹⁾ Compared to existing alternative processes to convert nickel concentrate to nickel sulphate



Tropicana Joint Venture

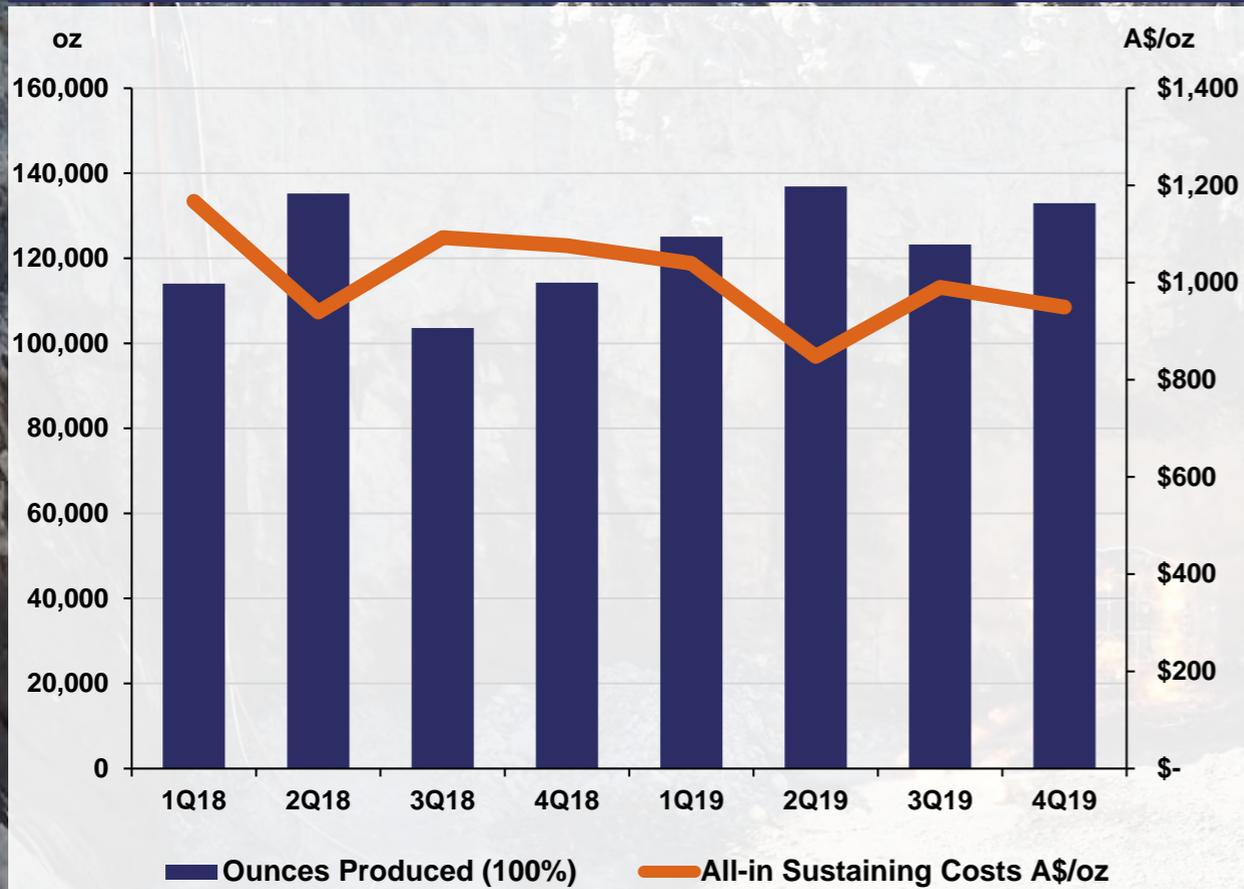
(IGO 30%, AngloGold Ashanti 70% and manager)

Tropicana Performance

A core asset, not aligned to strategy



Tropicana Production (100%) and AISC



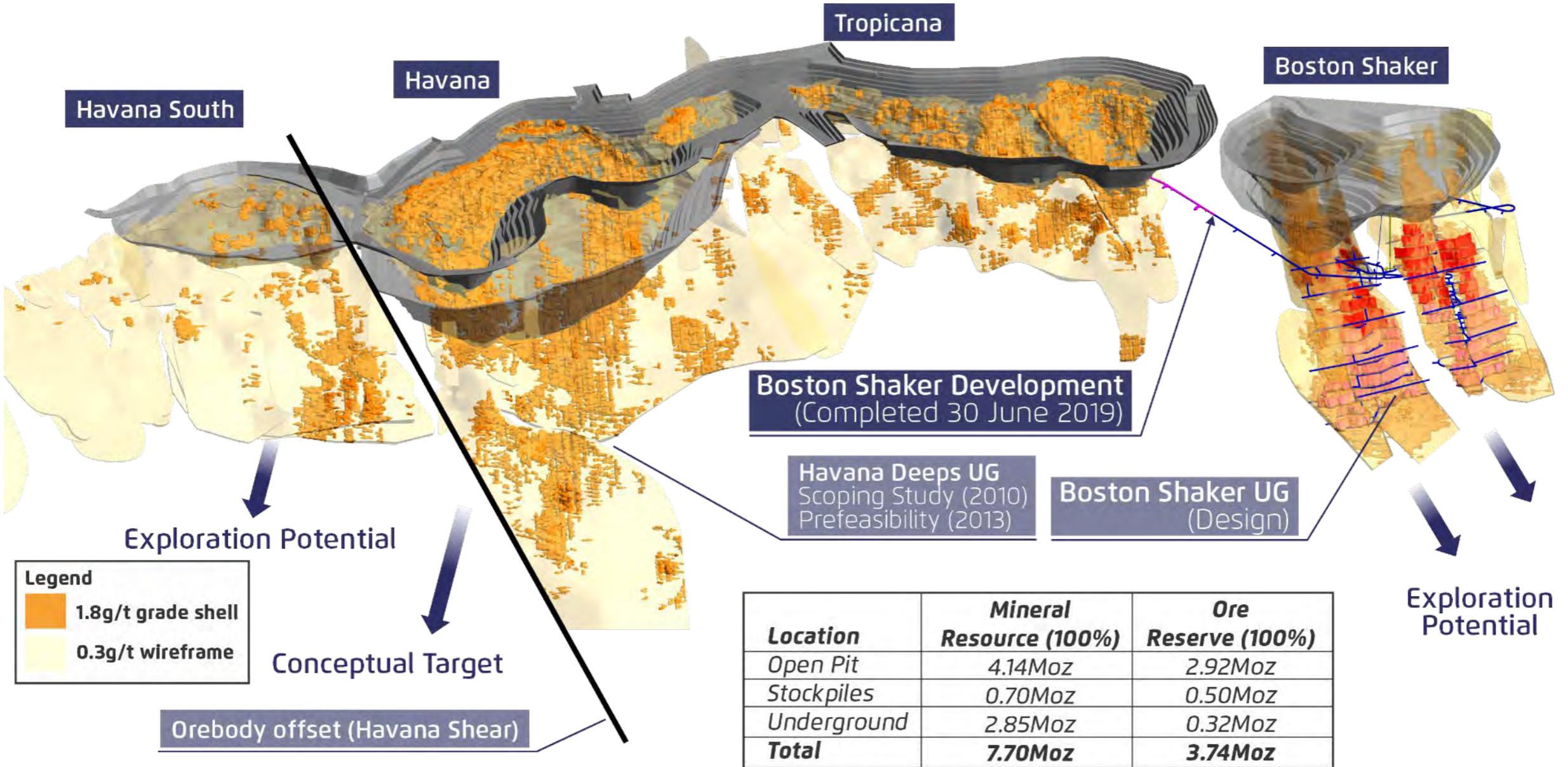
Strong history of gold production and cost performance

FY19 Result
Production (IGO share): 154,402oz
AISC: A\$951/oz

First underground development at Boston Shaker Underground – first gold expected during 1Q21

Tropicana Opportunity

Significant potential for value uplift from underground and exploration



As at 31 Dec 2018

1) Refer ASX Announcement titled "CY18 Mineral Resources and Ore Reserve Statement", released 20 February 2019



BARMINCO
TRZ0219

Summary

Summary

IGO well positioned to deliver value and growth for shareholders



Operations

Outstanding operational performance from Nova and Tropicana

Strong balance sheet underpinned by excellent FCF margins

Unlocking Value

Nickel sulphate downstream PFS completion during 2Q20

Concentrate offtake tender process underway in parallel

Ongoing optimisation to increase productivity and reduce costs

Boston Shaker Underground development at Tropicana

Exploration

Enduring commitment to exploration and discovery

Increased drilling intensity at Nova and Fraser Range



MAKING A DIFFERENCE

We believe in a world where people power makes amazing things happen. Where technology opens up new horizons and clean energy makes the planet a better place for every generation to come.

We are bold, passionate, fearless and fun - a smarter, kinder, more innovative company. Our work is making fundamental changes to the way communities all over the world grow, prosper and stay sustainable.

Our teams are finding and producing the specialist metals that will make energy storage mobile, efficient and effective enough to make long-term improvements to the lifestyle of hundreds of millions of people across the globe.

How? New battery storage technology is finally unleashing the full potential of renewable energy by allowing power produced from sun, wind and other sources to be stored and used when and where it's needed.

This technology will impact future generations in ways we cannot yet imagine, improving people's quality of life and changing the way we live.

We believe in a green energy future and by delivering the metals needed for new age batteries, we are making it happen.

This is the IGO Difference.

Cautionary Statements & Disclaimer



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- This presentation contains general summary information about IGO. The information, opinions or conclusions expressed in the course of this presentation should be read in conjunction with IGO’s other periodic and continuous disclosure announcements lodged with the ASX, which are available on the IGO website. No representation or warranty, express or implied, is made in relation to the fairness, accuracy or completeness of the information, opinions and conclusions expressed in this presentation.
- This presentation includes forward looking information regarding future events, conditions, circumstances and the future financial performance of IGO. Often, but not always, forward looking statements can be identified by the use of forward looking words such as "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "continue" and "guidance", or other similar words and may include statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs. Such forecasts, projections and information are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are beyond IGO’s control, which may cause actual results and developments to differ materially from those expressed or implied. Further details of these risks are set out below. All references to future production and production guidance made in relation to IGO are subject to the completion of all necessary feasibility studies, permit applications and approvals, construction, financing arrangements and access to the necessary infrastructure. Where such a reference is made, it should be read subject to this paragraph and in conjunction with further information about the Mineral Resources and Ore Reserves, as well as any Competent Persons’ Statements included in periodic and continuous disclosure announcements lodged with the ASX. Forward looking statements in this presentation only apply at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information IGO does not undertake any obligation to publicly update or revise any of the forward looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.
- There are a number of risks specific to IGO and of a general nature which may affect the future operating and financial performance of IGO and the value of an investment in IGO including and not limited to economic conditions, stock market fluctuations, commodity demand and price movements, access to infrastructure, timing of environmental approvals, regulatory risks, operational risks, reliance on key personnel, reserve and resource estimations, native title and title risks, foreign currency fluctuations and mining development, construction and commissioning risk. The production guidance in this presentation is subject to risks specific to IGO and of a general nature which may affect the future operating and financial performance of IGO.
- All currency amounts in Australian Dollars unless otherwise noted.
- Quarterly Financial Results are unaudited
- Net Debt is outstanding debt less cash balances and Net Cash is cash balance less outstanding debt.
- Cash Costs are reported inclusive of Royalties and after by-product credits on per unit of payable metal basis, unless otherwise stated.
- IGO reports All-in Sustaining Costs (AISC) per ounce of gold for its 30% interest in the Tropicana Gold Mine using the World Gold Council guidelines for AISC. The World Gold Council guidelines publication was released via press release on 27 June 2013 and is available from the World Gold Council’s website.
- Underlying EBITDA is a non-IFRS measure and comprises net profit or loss after tax, adjusted to exclude tax expense, finance costs, interest income, asset impairments, gain/loss on sale of subsidiary, redundancy and restructuring costs, depreciation and amortisation, and once-off transaction costs.
- Free Cash Flow comprises Net Cash Flow from Operating Activities and Net Cash Flow from Investing Activities. Underlying adjustments exclude acquisition costs, proceeds from investment sales and payments for investments.

Competent Person's Statement

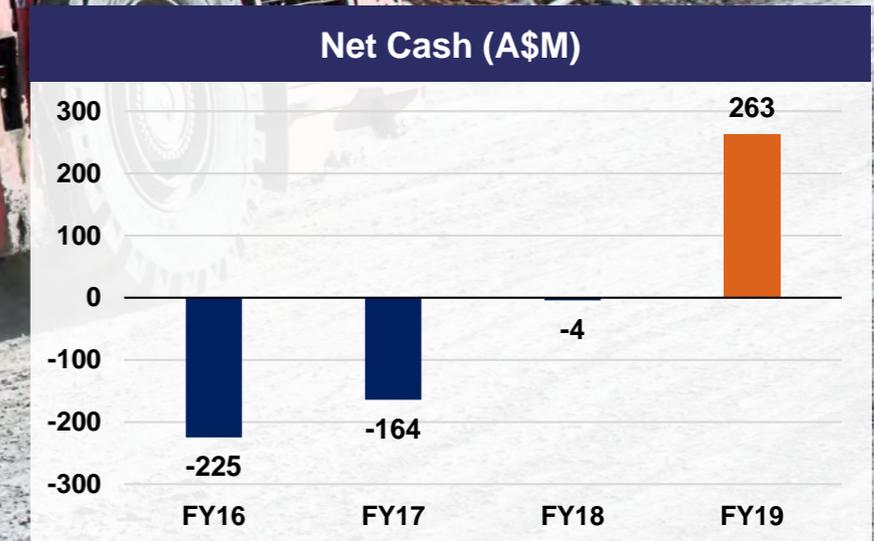
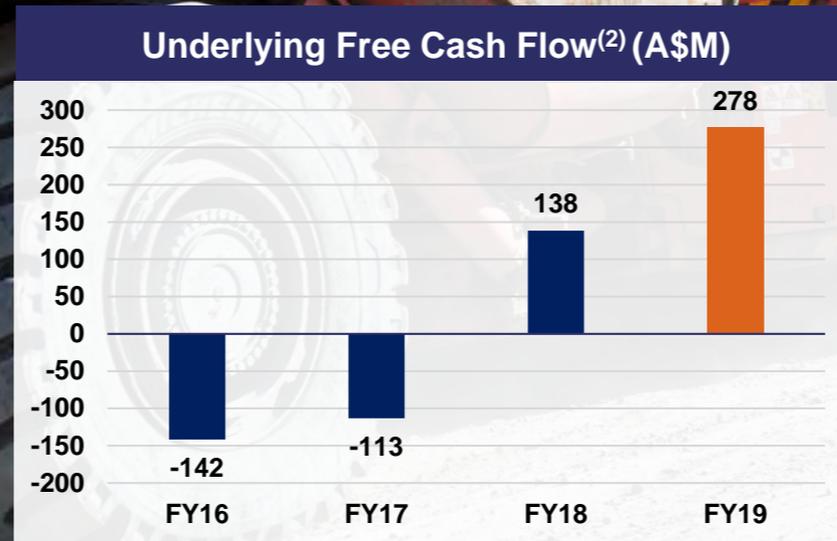
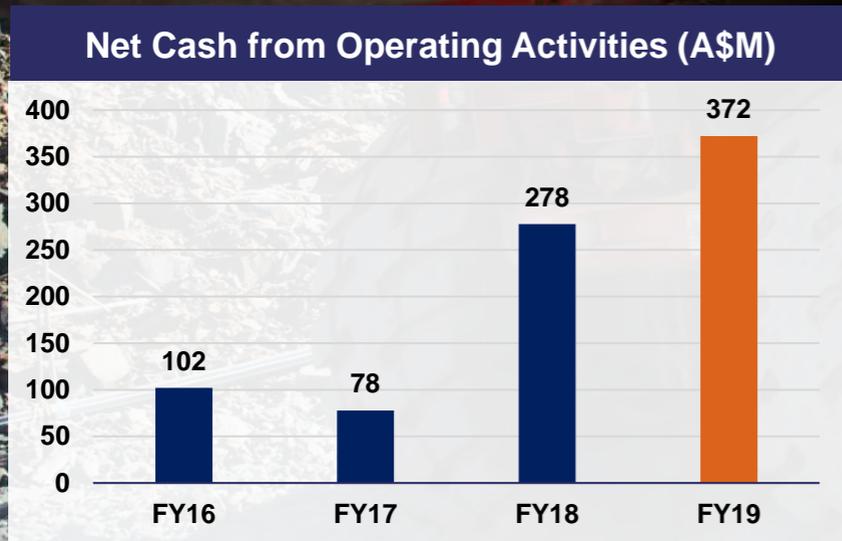
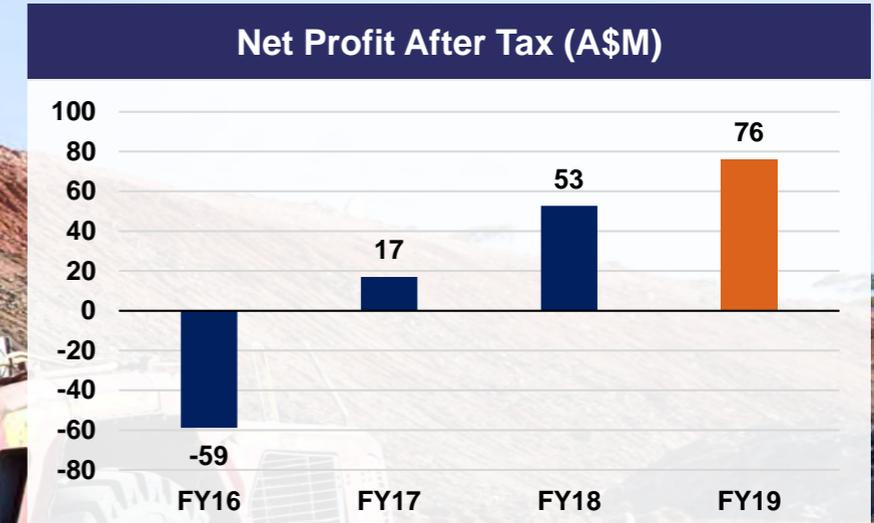
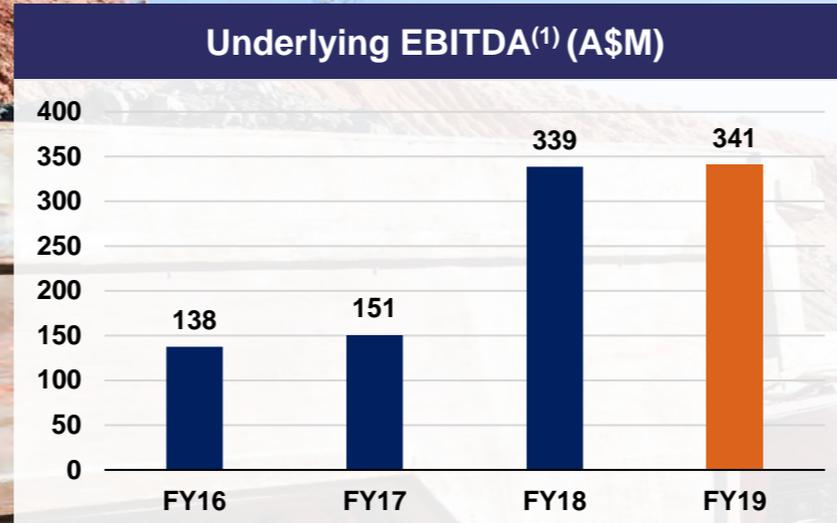
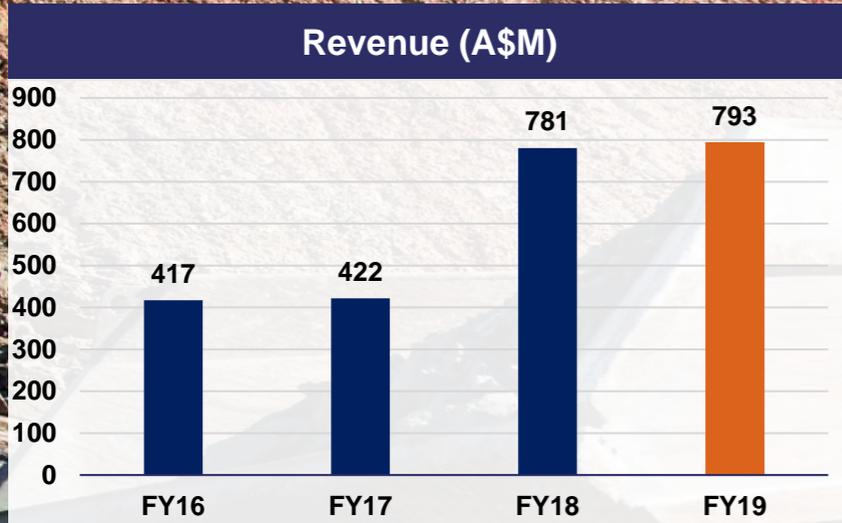


- Any references to IGO Mineral Resource and Ore Reserve estimates should be read in conjunction with IGO's Annual Update of Exploration Results, Mineral Resources and Ore Reserves dated 20 February 2019 (Annual Statement) and lodged with the ASX for which Competent Person's consents were obtained, which is also available on the IGO website.
- The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcements released 20 February 2019 and , (i) in the case of estimates or Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the original ASX announcement continue to apply and have not materially changed, (ii) the Competent Person's consents remain in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent, and (iii) the form and context in which the Competent Person's findings are presented have not been materially modified from the original ASX announcement.



FY19 Financial Results

Operational outperformance delivered record financial results in FY19



1) Underlying EBITDA is a non-IFRS measure (refer to Disclaimer page).

2) Free Cash Flow comprises Net Cash Flow from Operating Activities and Net cash Flow from Investing Activities. Refer to Disclaimer page for "Underlying" adjustments

Nova – FY19 Results

Outstanding operational performance and financial returns



Strong metal production in FY19 – exceeded guidance

Nickel in Concentrate

30,708t

▲ 38% YoY

Copper in Concentrate

13,693t

▲ 43% YoY

Cobalt in Concentrate

1,090t

▲ 47% YoY

Low cost operations delivered high margins

Cash Costs

A\$2.07/lb Ni (payable)

▼ 26% YoY

AISC

A\$2.79/lb Ni (payable)

▼ 38% YoY

FY19 FCF Margin

50%

▲ 87% YoY

Nova – FY20 Guidance ⁽¹⁾



Nova		
Metric	Units	FY20 Guidance
Nickel in concentrate	t	27,000 – 30,000
Copper in concentrate	t	11,000 – 12,500
Cobalt in concentrate	t	850 – 950
Cash cost (payable) ⁽²⁾	A\$/lb Ni	2.00 – 2.50
Sustaining/ improvement Capex	A\$M	24 – 26
Development Capex	A\$M	6 – 8



1) Refer to ASX release dated 31 July 2019: IGO June Quarterly Activities Report

2) Cash cost guidance assumes the following commodity prices for payable metal credits: Copper: A\$4.20/lb; Cobalt: A\$24/lb

Tropicana – FY19 Results

High margin gold production continued in FY19



Gold production
within guidance

Gold Produced (100%)

518,172oz
▲ 11% YoY

Gold Sold (IGO 30%)

154,402oz
▲ 11% YoY

Lower YoY cash
costs delivering
high margins

Cash Costs

A\$680/oz
▼ 5% YoY

AISC

A\$951/oz
▼ 10% YoY

FY19 EBITDA Margin

62%
▲ 6% YoY

Tropicana – FY20 Guidance ⁽¹⁾



Tropicana		
Metric	Units	FY20 Guidance
Gold produced (100%)	oz	450,000 – 500,000
Gold Sold (IGO 30%)	oz	135,000 – 150,000
Cash cost	A\$/oz	700 – 780
AISC	A\$/oz	1,090 – 1,210
Sustaining/improvement (30%)	A\$M	13 – 15
Waste stripping (30%)	A\$M	42 – 47
Underground capex (30%)	A\$M	26 – 29



1) Refer to ASX release dated 31 July 2019: IGO June Quarterly Activities Report